



Dedicated to Providing High-Quality Water Service in a Cost-Effective and Environmentally Sensitive Manner

OFFICERS

President  
**Jay Lewitt**  
Director, Division 5

Vice President  
**Leonard E. Polan**  
Director, Division 4

Secretary  
**Charles P. Caspary**  
Director, Division 1

Treasurer  
**Lynda Lo-Hill**  
Director, Division 2

**Lee Renger**  
Director, Division 3

**David W. Pedersen, P. E.**  
General Manager

**W. Keith Lemieux**  
Counsel

HEADQUARTERS  
4232 Las Virgenes Road  
Calabasas, CA 91302  
(818) 251-2100  
Fax (818) 251-2109

WESTLAKE  
FILTRATION PLANT  
(818) 251-2370  
Fax (818) 251-2379

TAPIA WATER  
RECLAMATION FACILITY  
(818) 251-2300  
Fax (818) 251-2309

RANCHO LAS VIRGENES  
COMPOSTING FACILITY  
(818) 251-2340  
Fax (818) 251-2349

www.LVMWD.com

MEMBER AGENCY OF THE  
METROPOLITAN WATER  
DISTRICT  
OF SOUTHERN CALIFORNIA

**Glen D. Peterson**  
MWD Representative

THIS MEETING WILL BE CONDUCTED PURSUANT TO THE PROVISIONS OF THE GOVERNOR'S EXECUTIVE ORDER, N-29-20, WHICH SUSPENDS CERTAIN REQUIREMENTS OF THE RALPH M. BROWN ACT TO SUPPORT SOCIAL DISTANCING GUIDELINES ASSOCIATED WITH RESPONSE TO THE CORONAVIRUS (COVID-19) PANDEMIC. BOARD MEMBERS AND STAFF MAY PARTICIPATE IN THE MEETING BY TELECONFERENCE. THE PUBLIC IS STRONGLY ENCOURAGED TO PARTICIPATE ELECTRONICALLY AT [www.lvmwd.com/LiveStream](http://www.lvmwd.com/LiveStream).

Call and Notice of Special Meeting of the Board of Directors of Las Virgenes Municipal Water District

A Special Meeting of the Board of Directors of Las Virgenes Municipal Water District is hereby called and notice of said Special Meeting is hereby given for **11:30 a.m. on Tuesday, November 3, 2020**, at 4232 Las Virgenes Road, Calabasas, CA 91302, to consider the following:

1. Call to Order and Roll Call
2. Special Meeting of November 3, 2020 (Agenda attached)
3. Adjournment

By Order of the Board of Directors  
JAY LEWITT, President

Josie Guzman, MMC  
Deputy Secretary of the Board

c: Each Director

Dated: October 29, 2020



**LAS VIRGENES MUNICIPAL WATER DISTRICT**  
**4232 Las Virgenes Road, Calabasas, CA 91302**

**AGENDA**  
**SPECIAL MEETING**  
**November 3, 2020, 11:30 AM**

Public Participation for Meetings of Las Virgenes Municipal Water District Board of Directors in Response to COVID-19

On March 4, 2020, Governor Newsom proclaimed a State of Emergency in California as a result of the threat of COVID-19. On March 17, 2020, Governor Newsom issued Executive Order N-29-20 (superseding the Brown Act-related provisions of Executive Order N-25-20 issued on March 12, 2020), which allows a local legislative body to hold public meetings via teleconferencing and to make public meetings accessible telephonically or otherwise electronically to all members of the public seeking to observe and to address the local legislative body. Pursuant to Executive Order N-29-20, please be advised that members of the Las Virgenes Municipal Water District will participate in meetings telephonically.

**PUBLIC PARTICIPATION:** Pursuant to Executive N-29-20 and given the current health concerns, members of the public can access meetings live on-line, with audio and limited video, at [www.LVMWD.com/LiveStream](http://www.LVMWD.com/LiveStream). In addition, members of the public can submit comments electronically for consideration by sending them to [www.LVMWD.com/LiveStream](http://www.LVMWD.com/LiveStream). To ensure distribution to the members of the Las Virgenes Municipal Water District Board of Directors prior to consideration of the agenda, please submit comments 24 hours prior to the day of the meeting. Those comments, as well as any comments received during the meeting, will be distributed to the members of the Board of Directors and will be made part of the official public record of the meeting. Contact Josie Guzman, Executive Assistant/Clerk of the Board, at (818) 251-2123 or [jguzman@lvmwd.com](mailto:jguzman@lvmwd.com) with any questions.

**ACCESSIBILITY:** If requested, the agenda and backup materials will be made available in appropriate alternative formats to persons with a disability, as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), and the federal rules and regulations adopted in implementation thereof. Any person who requires a disability-related modification or accommodation, in order to observe and/or offer public comment may request such reasonable modification, accommodation, aid, or service by contacting the Executive Assistant/Clerk of the Board by telephone at (818) 251-2123 or via email to [jguzman@lvmwd.com](mailto:jguzman@lvmwd.com) no later than 9:00 AM on the day before the scheduled meeting.

Members of the public wishing to address the Board of Directors are advised that a statement of Public Comment Protocols is available from the Clerk of the Board. Prior to speaking, each speaker is asked to review these protocols, complete a speakers' card, and hand it to the Clerk of the Board. Speakers will be recognized in the order the cards are received. A live webcast of the meeting will be available at LVMWD.com. Also, a web-based version of the speaker card is available for those who would like to submit written comments electronically or request to make public comment by telephone during the meeting.

The Public Comments agenda item is presented to allow the public to address the Board on matters not on the agenda. The public may also present comments on matters on the agenda; speakers for agendized items will be recognized at the time the item is called up for discussion.

Materials prepared by the District in connection with the subject matter on the agenda are available for public inspection at 4232 Las Virgenes Road, Calabasas, CA 91302. Materials prepared by the District and distributed to the Board during this meeting are available for public inspection at the meeting or as soon thereafter as possible. Materials presented to the Board by the public will be maintained as part of the records of these proceedings and are available upon request to the Clerk of the Board.

---

## **PLEDGE OF ALLEGIANCE**

### **1 CALL TO ORDER AND ROLL CALL**

### **2 APPROVAL OF AGENDA**

### **3 PUBLIC COMMENTS**

Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

### **4 CONSENT CALENDAR**

Matters listed under the Consent Calendar are considered to be routine, non-controversial and normally approved with one motion. If discussion is requested by a member of the Board on any Consent Calendar item, or if a member of the public wishes to comment on an item, that item will be removed from the Consent Calendar for separate action.

#### **A List of Demands: November 3, 2020 (Pg. 7)**

Receive and File

#### **B Minutes: Regular Meeting of October 20, 2020 (Pg. 28)**

Approve

C **Water Supply Conditions Update (Pg. 37)**

Receive and File

D **Response to Coronavirus (COVID-19) Pandemic: Continuation of Emergency (Pg. 39)**

Approve the continuation of an emergency declaration for response to the coronavirus (COVID-19) pandemic.

5 **ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS**

A **Recognition of Director Lee Renger for 15 Years of Service**

B **Legislative and Regulatory Updates (Pg. 41)**

6 **TREASURER**

7 **FINANCE AND ADMINISTRATION**

A **Wasteful Recycled Water Use Penalties: Adoption (Pg. 103)**

Pass, approve and adopt proposed Resolution No. 2583, finding that wasteful recycled water use is a violation of the District's rules and regulations and subject to escalating administrative penalties.

**RESOLUTION NO. 2583**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF LAS VIRGENES MUNICIPAL WATER DISTRICT AMENDING RESOLUTION NO. 2468 (ADMINISTRATIVE CODE) AS IT RELATES TO PENALTIES AND ENFORCEMENT THEREOF FOR WASTEFUL RECYCLED WATER USE**

(Reference is hereby made to Resolution No. 2583 on file in the District's Resolution Book, and by this reference the same is incorporated herein.)

8 **ENGINEERING AND EXTERNAL AFFAIRS**

A **Policy for Repair or Replacement of Failed Backflow Prevention Devices: Approval (Pg. 112)**

Approve a Policy for the Repair or Replacement of Failed Backflow Prevention Devices.

B **Update to Opt-Out Policy for Advanced Meter Program (AMR/AMI): Approval (Pg. 116)**

Approve an updated Advanced Meter Opt-Out Policy.

C **Installation of Flow Restriction Devices on Specified Delinquent Accounts: Approval**

Pass, approve and adopt proposed Resolution No. 2582, authorizing the installation of of flow restriction devices on specified delinquent accounts.

**RESOLUTION NO. 2582**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF LAS VIRGENES MUNICIPAL WATER DISTRICT AMENDING RESOLUTION NO. 2468 (ADMINISTRATIVE CODE) AS IT RELATES TO THE INSTALLATION OF FLOW RESTRICTION DEVICES FOR NONPAYMENT OF A DELINQUENT ACCOUNT**

(Reference is hereby made to Resolution No. 2582 on file in the District's Resolution Book, and by this reference the same is incorporated herein.)

**D On-Call Construction Management and Inspection Services: Award (Pg. 151)**

Accept the proposal from NV5, and authorize the General Manager to execute a one-year professional services agreement, in the amount of \$300,000, with four one-year renewal options for on-call construction management and inspection services.

**E Smart Irrigation Controller Program for 2021-22: Award (Pg. 214)**

Find that sole-source contracting is warranted due to the unique product, expertise and experience of the recommended vendors, and authorize the General Manager to execute two-year agreements with Valley Soil, Inc., in an amount not-to-exceed \$495,000, for program administration and smart controller installations, and with Rachio, Inc., in an amount not-to-exceed \$5,000, for website maintenance, discounted controllers and administration of customer cost-share payments for the Smart Irrigation Controller Program for 2021-2022.

**9 INFORMATION ITEMS**

**A Stationary Emergency Generators for Critical Potable Water Pump Stations: Grant Award (Pg. 218)**

**10 NON-ACTION ITEMS**

**A Organization Reports**

**B Director's Reports on Outside Meetings**

**C General Manager Reports**

(1) General Business

(2) Follow-Up Items

**D Director's Comments**

**11 FUTURE AGENDA ITEMS**

**12 PUBLIC COMMENTS**

Members of the public may now address the Board of Directors **ON MATTERS NOT APPEARING ON THE AGENDA**, but within the jurisdiction of the Board. No action shall be taken on any matter not appearing on the agenda unless authorized by Subdivision (b) of Government Code Section 54954.2

## 13 **ADJOURNMENT**

Pursuant to Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132), and applicable federal rules and regulations, requests for a disability-related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting, should be made to the Executive Assistant/Clerk of the Board in advance of the meeting to ensure availability of the requested service or accommodation. Notices, agendas, and public documents related to the Board meetings can be made available in appropriate alternative format upon request.

LAS VIRGENES MUNICIPAL WATER DISTRICT

To: LYNDA LO-HILL, TREASURER

Payments for Board Meeting of : November 3, 2020

Deputy Treasurer has verified that all checks and wire transfers were issued in conformance with LVMWD Administrative Code Section 2-6.203.

Wells Fargo Bank A/C No. 4806-994448

Checks Nos. 86121 through 86229 were issued less voids/stop payments in the total amount of \$ 750,597.83

Payments through wire transfers as follows:

Sub-Total Wires \$ -

Total Payments \$ 750,597.83

(Reference is hereby to these demands on file in the District's Check Register and by this reference the same is incorporated herein and made a part hereof.)

**CHECK LISTING FOR BOARD MEETING  
11/03/20**

		Check No. 86121 thru 86176 10/20/20	Check No. 86177 thru 86229 10/27/20	
Company Name	Company No.	Amount	Amount	Total
Potable Water Operations	101	57,625.85	20,861.16	78,487.01
Recycled Water Operations	102			-
Sanitation Operations	130	1,611.27		1,611.27
Potable Water Construction	201		5,324.22	5,324.22
Water Conservation Construction	203			-
Sani- Construction	230			-
Potable Water Replacement	301	7,464.91	179,773.75	187,238.66
Reclaimed Water Replace	302			-
Sanitation Replacement	330		24,479.53	24,479.53
Internal Service	701	121,306.37	20,051.39	141,357.76
JPA Operations	751	118,983.21	83,176.39	202,159.60
JPA Construction	752			-
JPA Replacement	754	109,939.78		109,939.78
	<b>Total Printed</b>	<b>416,931.39</b>	<b>333,666.44</b>	<b>750,597.83</b>
	<b>Net Total</b>	<b>416,931.39</b>	<b>333,666.44</b>	<b>750,597.83</b>



Batch Number - 282856  
Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
86121	10/20/20	18965	ePOWER NETWORK, INC.	BTTRY RPLCMNT-SRVR RM	PV	172415	001	00701	1,938.58	28733
				Payment Amount					1,938.58	
86122	10/20/20	2317	ACORN NEWSPAPER	AD-FALL HOME VISION	PV	172395	001	00101	1,400.00	158144
				AD-BULK CMPST-10/1	PV	172396	001	00751	670.60	158382
				AD-BULK CMPST-10/8	PV	172397	001	00751	670.60	158668
				Payment Amount					2,741.20	
86123	10/20/20	3077	AIRGAS USA, LLC	SAFETY GOGGLES	PV	172392	001	00701	5.58	9105555028
				SEP'20 CYLINDER RENT	PV	172407	001	00701	264.50	9974436217
		Alt Payee	6658 AIRGAS USA, LLC P. O. BOX 102289 PASADENA CA 91189-2289							
				Payment Amount					270.08	
86124	10/20/20	21135	AMERICAN BUSINESS BANK	RTN#10-PURE WTR DEMO	PD	172343	001	00754	2,714.51	10638/RTN#10
				Payment Amount					2,714.51	
86125	10/20/20	5625	ASSOC. OF WATER AGENCIES OF VENTURA CO	ANNL RECPTN SPNSHP	PV	172378	001	00701	1,000.00	06-12865
				Payment Amount					1,000.00	
86126	10/20/20	21106	ASTOUND GROUP	PWP VSTR EXP/SIGN	PV	172410	001	00701	4,090.22	UAG113618
				Payment Amount					4,090.22	
86127	10/20/20	20695	AT&T	SRV 9/5~10/4/20	PV	172412	001	00101	105.87	0051/100520
				SRV 9/5~10/4/20	PV	172412	002	00101	50.05	0051/100520
				SRV 9/5~10/4/20	PV	172412	003	00101	64.35	0051/100520
				SRV 9/5~10/4/20	PV	172412	004	00101	750.04	0051/100520
				SRV 9/5~10/4/20	PV	172412	005	00101	683.93	0051/100520

Batch Number - 282856

Bank Account - 00146807 Cash-General

Payment . . .		Address	Name	Payment Stub Message	Document . . .		Key	Amount	Invoice
Number	Date	Number			Ty	Number	Item Co		Number
				SRV	PV	172412	006 00101	54.01	0051/100520
				9/5~10/4/20					
				SRV	PV	172412	007 00101	50.03	0051/100520
				9/5~10/4/20					
				SRV	PV	172412	008 00101	50.03	0051/100520
				9/5~10/4/20					
				SRV	PV	172412	009 00101	50.03	0051/100520
				9/5~10/4/20					
				SRV	PV	172412	010 00101	50.03	0051/100520
				9/5~10/4/20					
				SRV	PV	172412	011 00101	50.03	0051/100520
				9/5~10/4/20					
				SRV	PV	172412	012 00101	50.03	0051/100520
				9/5~10/4/20					
				SRV	PV	172412	013 00101	212.97	0051/100520
				9/5~10/4/20					
				SRV	PV	172412	014 00101	50.03	0051/100520
				9/5~10/4/20					
				SRV	PV	172412	015 00101	25.02	0051/100520
				9/5~10/4/20					
				SRV	PV	172412	016 00101	25.01	0051/100520
				9/5~10/4/20					
				Payment Amount				2,321.46	
86128	10/20/20	2869	AT&T	SRV 10/5~11/4	PV	172400	001 00101	337.48	9054/100520
				SRV 10/7~11/6	PV	172401	001 00101	33.09	0124/100720
				SRV 10/7~11/6	PV	172402	001 00101	67.19	0123/100720
				SRV 10/7~11/6	PV	172403	001 00101	406.35	2043/100720
				SRV 10/7~11/6	PV	172404	001 00101	201.15	2045/100720
				Payment Amount				1,045.26	
86129	10/20/20	9631	AT&T LONG DISTANCE	SRV	PV	172411	001 00701	3.74	806368136/100
				9/1~10/1/20				420	
				SRV	PV	172411	002 00701	10.92	806368136/100
				9/1~10/1/20				420	
				SRV	PV	172411	003 00701	1.89	806368136/100
				9/1~10/1/20				420	
				Payment Amount				16.55	
86130	10/20/20	16253	AT&T MOBILITY	WIRELESS SRV	PV	172413	001 00101	43.23	9332/100320
				9/4~10/3					
				WIRELESS SRV	PV	172413	002 00101	175.80	9332/100320
				9/4~10/3					
				WIRELESS SRV	PV	172413	003 00101	31.64	9332/100320

Batch Number - 282856

Bank Account - 00146807 Cash-General

Payment Number	Date	Address Number	Name	Payment Stub Message	Document Ty	Number	Key Item	Co	Amount	Invoice Number
				9/4~10/3						
				WIRELESS SRV	PV	172413	004	00101	282.21	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	005	00101	44.02	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	006	00101	86.46	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	007	00101	27.72	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	008	00101	66.63	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	009	00101	254.41	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	010	00101	115.82	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	011	00101	30.01	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	012	00101	72.21	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	013	00101	43.23	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	014	00101	635.02	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	015	00101	27.18	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	016	00101	30.01	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	017	00101	43.23	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	018	00101	1,107.68	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	019	00101	43.23	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	020	00101	71.15	9332/100320
				9/4~10/3						
				WIRELESS SRV	PV	172413	021	00101	71.15	9332/100320
				9/4~10/3						
				Payment Amount					3,302.04	
86131	10/20/20	7770	AUTOMATIONDIR ECT.COM	CABLES	PV	172387	001	00751	125.93	11352618
				BAYONET LAMPS	PV	172388	001	00101	175.20	11402818

Batch Number - 282856

Bank Account - 00146807 Cash-General

Payment		Address	Name	Payment Stub Message	Document	Key		Amount	Invoice
Number	Date	Number			Ty	Number	Itm Co		Number
				BAYONET LAMPS	PV	172389	001 00101	62.42	11421118
				BREATHER VENT KIT	PV	172390	001 00751	44.35	11427388
				Payment Amount				407.90	
86132	10/20/20	21056	BATTERY SYSTEMS INC	BATTERY STOCK	PV	172409	001 00701	66.02	5997372
				Payment Amount				66.02	
86133	10/20/20	21426	BRIGHTVIEW LANDSCAPE SERVICES, INC	LNDS CP SRV-SEP'20	PV	172359	001 00701	3,149.67	6988531
				LNDS CP SRV-SEP'20	PV	172359	002 00701	5,473.08	6988531
				LNDS CP SRV-SEP'20	PV	172359	004 00701	4,482.67	6988531
				LNDS CP SRV-SEP'20	PV	172359	006 00701	1,090.00	6988531
				Payment Amount				14,195.42	
86134	10/20/20	2418	BT INDUSTRIAL	PAINT	PV	172406	001 00701	76.08	400733-1
				PAINT	PV	172406	002 00701	13.75	400733-1
				Payment Amount				89.83	
86135	10/20/20	21598	BULLETPROOF SOLUTIONS, INC.	CYBER SEC RISK ASSMNT	PV	172357	001 00701	57,000.00	0000016790
				Payment Amount				57,000.00	
86136	10/20/20	4586	CONSOLIDATED ELECTRICAL DISTRIBUTORS	SHIELDED CABLE	PV	172363	001 00701	283.71	9009-414754
				Payment Amount				283.71	
86137	10/20/20	19033	DENOVO VENTURES, LLC	NOV'20 DIST RCVRY	PV	172358	001 00701	4,938.00	69100
				Payment Amount				4,938.00	
86138	10/20/20	11330	DIAL SECURITY	9/20 SEC SRV-RLV	PV	172325	001 00701	35.00	383968
				9/20 CELL PLAN-RLV	PV	172326	001 00701	15.00	383973
				10/20 SEC SRV-HQ	PV	172327	001 00701	355.00	385744
				10/20 SEC SRV-TAPIA	PV	172328	001 00701	271.00	385745
				10/20 SEC SRV-RLV	PV	172329	001 00701	35.00	385746

Batch Number - 282856

Bank Account - 00146807 Cash-General

Payment		Address	Name	Payment Stub Message	Document		Key		Amount	Invoice
Number	Date	Number			Ty	Number	Item	Co		Number
				10/20 SEC	PV	172330	001	00701	35.00	385747
				SRV-RLV FARM						
				10/20 SEC	PV	172331	001	00701	125.00	385748
				SRV-WLK						
				10/20 SEC	PV	172332	001	00701	35.00	385749
				SRV-WLK P/S						
				10/20 SEC	PV	172333	001	00701	147.00	385750
				SRV-IT ROOM						
				10/20 CELL	PV	172334	001	00701	15.00	385751
				PLAN-RLV						
				10/20 SEC	PV	172335	001	00701	114.00	385752
				SRV-OPS						
				10/20 FIRE	PV	172336	001	00701	55.00	385753
				MNTNG-BLDG 1						
				Payment Amount					1,237.00	
86139	10/20/20	20848	E&M ELECTRIC AND MACHINERY, INC.	WONDERWR SPPT 1/1~12/31/21	PV	172354	001	00701	9,858.00	361657
				WONDERWR SPPT 1/1~12/31/21	PV	172354	003	00701	14,787.00	361657
				Payment Amount					24,645.00	
86140	10/20/20	18111	ELECSYS INTERNATIONAL CORPORATION	SEP'20 MTR DVC MAINT	PV	172414	001	00701	310.00	SIP-E123430
				Payment Amount					310.00	
86141	10/20/20	5378	EMERSON PROCESS MANAGEMENT	DIGITAL INPUT CARD/COVER	PV	172352	001	00701	2,660.86	8113800
		Alt Payee	5454	EPM POWER & WTR SOLUTIONS 22737 NETWORK PLACE CHICAGO IL 60673-1227						
				Payment Amount					2,660.86	
86142	10/20/20	18441	EMPLOYEE RELATIONS NETWORK	BACKGROUND CKS 3 EES	PV	172377	001	00701	282.16	88795
				Payment Amount					282.16	
86143	10/20/20	19397	FIRST CHOICE SERVICES	9/20 COFFEE SRV-TAPIA 9/20 COFFEE	PV	172348	001	00701	52.06	943474
					PV	172349	001	00701	59.74	943475

Batch Number - 282856

Bank Account - 00146807 Cash-General

Payment Number	Date	Address Number	Name	Payment Stub Message	Document Ty	Number	Key Item Co	Amount	Invoice Number
				SRV-RLV					
				9/20 COFFEE	PV	172350	001 00701	34.53	943476
				SRV-OPS					
				9/20 COFFEE	PV	172351	001 00701	56.87	943477
				SRV-HQ					
				Payment Amount				203.20	
86144	10/20/20	6770	G.I. INDUSTRIES	9/16~9/30 40 YD TEMP	PV	172381	001 00751	509.82	2961111-0283- 0
		Alt Payee	6771	G.I. INDUSTRIES P. O. BOX 541065 LOS ANGELES CA 90054-1065					
				Payment Amount				509.82	
86145	10/20/20	20970	GARDA CL WEST, INC.	ARMRD TRANS SRV-OCT'20	PV	172339	001 00701	340.58	10594953
				Payment Amount				340.58	
86146	10/20/20	19548	GRM INFORMATION MANAGEMENT SERVICES-CA	SEP'20 RECORDS STORAGE	PV	172344	001 00701	106.76	0413560
				SEP'20 RECORDS STORAGE	PV	172345	001 00701	310.92	0413561
				Payment Amount				417.68	
86147	10/20/20	2705	HACH COMPANY	ORP PROBE	PV	172373	001 00701	1,392.74	12142328
		Alt Payee	6442	HACH COMPANY 2207 COLLECTIONS CENTER DR CHICAGO IL 60693					
				Payment Amount				1,392.74	
86148	10/20/20	8304	IFM EFECTOR INC.	WIRE CABLE	PV	172384	001 00751	86.96	40556355
				ENCODER	PV	172385	001 00751	593.49	40557337
				WIRE CABLE	PV	172386	001 00751	95.91	40564619
				Payment Amount				776.36	
86149	10/20/20	20584	KAMBRIAN CORPORATION	ADOBE RENWL 10/9/20~10/8/ 21	PV	172356	001 00701	3,337.13	KINV5830
				Payment Amount				3,337.13	
86150	10/20/20	17447	KONECRANES INC.	REPL WIRE ROPE #880	PV	172360	001 00701	1,378.59	154370906
				Payment Amount				1,378.59	

Batch Number - 282856

Bank Account - 00146807 Cash-General

Payment Number	Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
86151	10/20/20	3514	LOS ANGELES COUNTY REGISTRAR-REC ORDER	NOE-CEQA/WFP W/F RPR	PV	172374	001	00301	75.00	10690/NOE
				Payment Amount					75.00	
86152	10/20/20	21558	MICHAEL K. NUNLEY & ASSOCIATES, INC.	P/E 9/26-TP OUTFALL REHAB	PV	172368	001	00701	1,917.86	8217
				Payment Amount					1,917.86	
86153	10/20/20	19956	M6 CONSULTING, INC.	P/E 9/30 W/F CONSLT-RLV	PV	172371	001	00701	7,389.91	1460-20
				Payment Amount					7,389.91	
86154	10/20/20	20772	NATIONAL PAYMENT CORP.	SEP'20 ELEC PAYSTUBS	PV	172340	001	00701	70.99	907339
				Payment Amount					70.99	
86155	10/20/20	21166	O.S.T.S. INC.	AUDIO TESTS 9/29 & 9/30	PV	172376	001	00701	1,200.00	53348
				Payment Amount					1,200.00	
86156	10/20/20	2302	OFFICE DEPOT	CALCULATOR/LE TTER TRAY	PV	172319	001	00701	228.15	123614140001
				WIRELESS HDSTS/SUPPLIES	PV	172320	001	00701	558.87	123627788001
				WIRELESS HDSTS/SUPPLIES	PV	172320	002	00701	14.90	123627788001
				WALL SIGN	PV	172321	001	00701	22.98	123627790001
				DRY ERASE	PV	172322	001	00701	742.41	122346892001
				BDS/PAPER/TONER						
				DISHSOAP	PV	172323	001	00701	80.80	125076403001
				CHAIRMAT	PV	172324	001	00701	153.29	125076405001
				Payment Amount					1,801.40	
86157	10/20/20	20728	OLIVAREZ MADRUGA LEMIEUX & O'NEILL	LEGAL SRV-SEP'20	PV	172393	001	00701	17,536.41	140/SEP'20
				LEGAL SERV-SEP'20	PV	172394	001	00701	10.01	140/SEP'20

Batch Number - 282856

Bank Account - 00146807 Cash-General

Payment . . .		Address	Name	Payment Stub Message	Document . . .		Key		Amount	Invoice
Number	Date	Number			Ty	Number	Itm	Co		Number
				Payment Amount					17,546.42	
86158	10/20/20	18946	PACIFIC ADVANCED CIVIL ENGINEERING, INC.	P/E 9/30 CHLOR TANK RPLC	PV	172367	001	00701	1,890.20	4304
				Payment Amount					1,890.20	
86159	10/20/20	18874	PACIFIC HYDROTECH CORPORATION	RTN#10-PWP DEMO CONST	PD	172337	001	00754	2,714.51-	10638/RTN#10
				PMT#10 PWP DEMO CONST	PV	172338	001	00701	54,290.25	10638/PMT#10
				Payment Amount					51,575.74	
86160	10/20/20	8484	PRAXAIR DISTRIBUTION, INC	CYLNDR RENT 8/20-9/20	PV	172383	001	00101	203.67	99032453
		Alt Payee	8898	PRAXAIR DISTRIBUTION INC. DEPT. LA 21511 PASADENA CA 91185-1511						
				Payment Amount					203.67	
86161	10/20/20	21484	RMG COMMUNICATION S	AMR/AMI VIDEO SERIES	PV	172369	001	00701	1,812.50	1129
				Payment Amount					1,812.50	
86162	10/20/20	15800	SAFE AND BEAUTIFUL TREE CO., INC.	BRUSH CLRNG-LV2/CLB S TNK	PV	172382	001	00101	2,475.00	92820
				Payment Amount					2,475.00	
86163	10/20/20	2958	SOUTHERN CALIFORNIA GAS CO	WLK P/S 9/1-10/1	PV	172405	001	00101	15.90	9400/100120
				Payment Amount					15.90	
86164	10/20/20	16271	SPOK, INC.	PAGER SRV 10/11-11/10	PV	172398	001	00701	71.02	D0143084V
				PAGER SRV 10/11-11/10	PV	172398	002	00701	43.27	D0143084V
				Payment Amount					114.29	
86165	10/20/20	17853	SWRCB-POLLUTI ON	PNTLY-TWRF CA0056014	PV	172380	001	00751	60,000.00	R4-2020-042



Batch Number - 282856

Bank Account - 00146807 Cash-General

Payment Number	Date	Address Number	Name	Payment Stub Message	Document Ty	Key Itm	Co	Amount	Invoice Number
			CLEANUP&ABATE MENT						
				Payment Amount				60,000.00	
86166	10/20/20	14479	STEPHEN'S VIDEO PRODUCTIONS	VIDEO SRV JPA MTG-SEP'20	PV	172346	001 00701	500.00	9-25-20
				VIDEO SRV-LV MTGS-SEP'20	PV	172347	001 00701	1,000.00	9-30-20
				Payment Amount				1,500.00	
86167	10/20/20	20950	TERRAVERDE ENERGY LLC	BESS FESBLTY ASSMNT	PV	172370	001 00701	24,980.00	748
				BESS FESBLTY ASSMNT	PV	172370	002 00701	34,945.00	748
				Payment Amount				59,925.00	
86168	10/20/20	21599	THE ROVISYS COMPANY	P/E 9/30-SCADA UPGD	PV	172353	001 00701	47,751.25	63519
				Payment Amount				47,751.25	
86169	10/20/20	20880	TPX COMMUNICATION S	SRV 10/16~11/15	PV	172399	001 00701	2,092.28	135659988-0
				SRV 10/16~11/15	PV	172399	002 00701	1,796.27	135659988-0
				SRV 10/16~11/15	PV	172399	004 00701	406.87	135659988-0
				SRV 10/16~11/15	PV	172399	007 00701	2,139.10	135659988-0
				Payment Amount				6,434.52	
86170	10/20/20	19135	TRANSUNION RISK & ALTERNATIVE DATA SOLUT	BAD DEBT SEARCH-SEP'20	PV	172379	001 00701	246.00	974571/SEP'20
				Payment Amount				246.00	
86171	10/20/20	8764	UNITED IMAGING	TONER CARTRIDGES	PV	172341	001 00701	144.49	1195729
				Payment Amount				144.49	
86172	10/20/20	20935	US METRO GROUP, INC.	JNTRL SRV-SEP'20	PV	172365	001 00701	8,771.00	102828
				JNTRL SRV-SEP'20	PV	172365	003 00701	2,468.27	102828
				JNTRL	PV	172365	005 00701	202.46	102828

Batch Number - 282856

Bank Account - 00146807 Cash-General

Payment Number	Date	Address Number	Name	Payment Stub Message	Document Ty	Number	Key Itm Co	Amount	Invoice Number
				SRV-SEP'20					
				Payment Amount				11,441.73	
86173	10/20/20	4587	VERTEX INC.	JDE P/R TAX	PV	172408	001 00701	6,392.61	4196984
				UPDATE					
				9/20~8/21					
				Payment Amount				6,392.61	
86174	10/20/20	21295	VERTICAL ELEVATOR SOLUTIONS, INC.	AUG'20 ELEV	PV	172361	001 00701	290.00	8221
				SRV-HQ					
				SEP'20 ELEV	PV	172362	001 00701	290.00	8348
				SRV					
				Payment Amount				580.00	
86175	10/20/20	3687	WATER ENVIRONMENT FEDERATION	MBRSHP	PV	172375	001 00701	332.00	17575348/20-2
				12/1/20~11/30					1
				/21					
				Payment Amount				332.00	
86176	10/20/20	3067	XEROX CORPORATION	LEASE-9/20	PV	172416	001 00701	183.01	011532738
				5945-OPS					
				Payment Amount				183.01	
				Total Amount of Payments Written				416,931.39	
				Total Number of Payments Written			56		

Batch Number - 283176  
Bank Account - 00146807 Cash-General

. . . Payment . . .		Address	Name	Payment Stub Message	. . . Document . . .	Key		Amount	Invoice
Number	Date	Number			Ty	Number	Itm Co		Number
86177	10/27/20	19071	A BEE MAN	BEE RMVL-ROSECRES T Payment Amount	PV	172472	001 00701	185.00	23475
								185.00	
86178	10/27/20	20389	AIRGAS SPECIALTY PRODUCTS	31,380 LBS HYDROXIDE	PV	172511	001 00701	3,092.50	131673716
		Alt Payee	20559	AIRGAS SPECIALTY PRODUCTS P. O. BOX 934434 ATLANTA GA 31193-4434					
				Payment Amount				3,092.50	
86179	10/27/20	20424	AT&T	RLV U-VERSE 10/11~11/10 Payment Amount	PV	172452	001 00751	69.55	5778/101020
								69.55	
86180	10/27/20	21610	AVISTA TECHNOLOGIES, INC.	ANTI-SCALENT/ RO CLEAN	PV	172495	001 00701	1,779.38	90352
				ANTI-SCALENT/ RO CLEAN	PV	172495	004 00701	120.81	90352
				Payment Amount				1,900.19	
86181	10/27/20	18971	BDP INDUSTRIES INC.	PARTS-RLV AGITATORS	PV	172499	001 00701	3,457.96	12452
				PARTS-RLV AGITATORS	PV	172499	006 00701	83.97	12452
				Payment Amount				3,541.93	
86182	10/27/20	21646	LEE BLACK	RFND BAL-CLOSED A/C	PV	172429	001 00101	308.43	052110
				Payment Amount				308.43	
86183	10/27/20	21020	BPS SUPPLY GROUP	GASKETS	PV	172470	001 00751	275.77	S2755509.001
				Payment Amount				275.77	
86184	10/27/20	17247	BURNS PACIFIC CONSTRUCTION INC.	RFND BAL-CLOSED A/C	PV	172426	001 00101	923.92	067314
				Payment Amount				923.92	
86185	10/27/20	2964	CA DEPARTMENT OF TAX&FEE ADMINISTRATIO	SALES/USE TAX-QE093020	PV	172464	001 00701	715.00	97-817885/093 020

Batch Number - 283176  
Bank Account - 00146807 Cash-General

Payment		Address	Name	Payment Stub Message	Document	Key		Amount	Invoice
Number	Date	Number			Ty	Number	Itm Co		Number
			N						
				Payment Amount				715.00	
86186	10/27/20	20872	CANDU GRAPHICS	COPIES-CONTRA CT DOCS	PV	172467	001 00701	799.46	81487
				Payment Amount				799.46	
86187	10/27/20	20655	CANNON CORPORATION	P/E 9/30-CALLGS/L V INTRCNT	PV	172425	001 00701	5,324.22	73921
				Payment Amount				5,324.22	
86188	10/27/20	18860	CHEMTREAT, INC.	OCT'20 WTR TRMNT	PV	172498	001 00701	739.86	CIN010042471
				Payment Amount				739.86	
86189	10/27/20	2533	CITY OF AGOURA HILLS	ENCRH PRMT-28500 DRIVER ENCRH PRMT-5533 FAIRVW ENCRH PRMT-30600 JANLOR ENCRH PRMT-5844 LARBOARD ENCRH PRMT-6204 FERAL ENCRH PRMT-28849 MICHELLE ENCRH PRMT-5308 CAPTAINS ENCRH PRMT-30457 PENROD ENCRH PRMT-6075 CALMFLD ENCRH PRMT-5754	PV	172453	001 00101	669.00	ENCR-23063-20 20
					PV	172454	001 00101	669.00	ENCR-23064-20 20
					PV	172455	001 00101	669.00	ENCR-23274-20 20
					PV	172456	001 00101	669.00	ENCR-23280-20 20
					PV	172457	001 00101	669.00	ENCR-23353-20 20
					PV	172458	001 00101	669.00	ENCR-23427-20 20
					PV	172459	001 00101	669.00	ENCR-23426-20 20
					PV	172460	001 00101	669.00	ENCR-23457-20 20
					PV	172461	001 00101	669.00	ENCR-23479-20 20
					PV	172462	001 00101	669.00	ENCR-23499-20 20

Batch Number - 283176  
Bank Account - 00146807 Cash-General

Payment Number	Payment Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key Itm	Key Co	Amount	Invoice Number
				IRONWD						
				ENCRH	PV	172463	001	00101	669.00	ENCR-23731-20
				PRMT-5461						20
				LUIS						
				Payment Amount					7,359.00	
86190	10/27/20	2541	CITY OF WESTLAKE VILLAGE	PERMIT@MDLGAT E RD 10/3	PV	172510	001	00101	1,940.00	20/21-014
				Payment Amount					1,940.00	
86191	10/27/20	4586	CONSOLIDATED ELECTRICAL DISTRIBUTORS	HP DRIVE/HMI KIT	PV	172422	001	00701	1,567.26	9009-415082
				CONDULETS/COVERS	PV	172478	001	00701	54.90	9009-415692
				RELAYS/TIMER/BASES	PV	172479	001	00701	1,244.03	9009-415599
				Payment Amount					2,866.19	
86192	10/27/20	21631	CUSTOM TRUCK ONE SOURCE, L.P.	CRANE TRUCK V/N 9012	PV	172512	001	00701	174,550.00	22FON4281
				Payment Amount					174,550.00	
86193	10/27/20	19033	DENOVO VENTURES, LLC	9/22-9/23 JDE-KRNOS INTRGTN	PV	172488	001	00701	250.00	69216
				Payment Amount					250.00	
86194	10/27/20	2654	FAMCON PIPE	ELBOWS/TEES/UNIONS	PV	172480	001	00701	3,373.70	S100038411.00
				Payment Amount					3,373.70	1
86195	10/27/20	6770	G.I. INDUSTRIES	10/1-10/15 SHOP BLDG	PV	172449	001	00701	600.07	2961172-0283-
										2
		Alt Payee	6771	G.I. INDUSTRIES P. O. BOX 541065 LOS ANGELES CA 90054-1065						
				Payment Amount					600.07	
86196	10/27/20	2701	GRAINGER, INC.	BATTERIES	PV	172417	001	00701	187.62	9663972744
				RESPIRATORS/CARTRIDGES	PV	172418	001	00701	2,169.38	9668076384
				PHOTOCELL	PV	172419	001	00701	81.64	9662843607
				WASH	PV	172420	001	00701	28.20	9668668313

Batch Number - 283176  
Bank Account - 00146807 Cash-General

Payment		Address	Name	Payment Stub Message	Document		Key		Amount	Invoice
Number	Date	Number			Ty	Number	Item	Co		Number
				BOTTLES/KEY HIDERS PRINTER	PV	172421	001	00701	65.82	9677402324
				CARTRIDGE SAFETY SIGN	PV	172476	001	00701	11.53	9660201527
				FIRE EXTGSHR CABINET	PV	172477	001	00701	112.49	9659635313
				SUMP PIMPS	PV	172517	001	00701	1,905.30	9660645608
		Alt Payee	5453	GRAINGER, INC. DEPT 805178142 PALATINE IL 60038-0001						
				Payment Amount					4,561.98	
86197	10/27/20	3810	GREATER CONEJO VALLEY CHAMBER OF COMMERC	BRONZE SPNSR-10/28	PV	172466	001	00701	1,000.00	248431
				Payment Amount					1,000.00	
86198	10/27/20	7421	HAMNER, JEWELL AND ASSOCIATES	P/E 9/30-EMGCY GNRTRS	PV	172424	001	00701	936.25	200474
				Payment Amount					936.25	
86199	10/27/20	4409	HARRIS & ASSOCIATES, INC.	STNDBY CHGS 8/23-9/26	PV	172487	001	00701	4,287.50	46436
				Payment Amount					4,287.50	
86200	10/27/20	4808	HILL BROTHERS CHEMICAL COMPANY	55 GAL SULFATE	PV	172469	001	00751	359.73	07075204
				Payment Amount					359.73	
86201	10/27/20	20823	INVOICE CLOUD INC.	IC FEE-SEP'20	PV	172423	001	00701	7,026.50	964-2020_9
				Payment Amount					7,026.50	
86202	10/27/20	2611	LA DWP	RECTIFIER 9/11-10/14 RECTIFIER 9/14-10/15	PV	172450	001	00101	48.33	017698/101420
				Payment Amount					91.29	
86203	10/27/20	21647	CHARLENE LAYTON	RFND BAL-CLOSED A/C	PV	172430	001	00101	74.75	046247

Batch Number - 283176  
Bank Account - 00146807 Cash-General

Payment Number	Date	Address Number	Name	Payment Stub Message	Document Ty	Document Number	Key ltm	Key Co	Amount	Invoice Number
				Payment Amount					74.75	
86204	10/27/20	21648	GIGI LITMANOVICH	RFND BAL-CLOSED A/C	PV	172431	001	00101	599.93	077068
				Payment Amount					599.93	
86205	10/27/20	21649	DENISE MARSH	RFND BAL-CLOSED A/C	PV	172432	001	00101	191.26	077255
				Payment Amount					191.26	
86206	10/27/20	2814	MCMaster-CARR SUPPLY CO	HEX SCREWS	PV	172474	001	00751	54.51	46286175
		Alt Payee	3197	MC MASTER-CARR P. O. BOX 7690 CHICAGO IL 60680-7690						
				Payment Amount					54.51	
86207	10/27/20	21407	MESA WATER DISTRICT	REIMB AUG'20 FEE	PV	172468	001	00701	462.50	SALES2143
				Payment Amount					462.50	
86208	10/27/20	14322	MILES CHEMICAL COMPANY, INC	9.11 TN FERRIC CHLORIDE	PV	172492	001	00701	6,184.78	607683
				Payment Amount					6,184.78	
86209	10/27/20	2839	MOTION INDUSTRIES, INC.	V-BELTS	PV	172497	001	00701	126.90	CA22-659191
		Alt Payee	10317	MOTION INDUSTRIES INC. FILE 749376 LOS ANGELES CA 90074						
				Payment Amount					126.90	
86210	10/27/20	19299	NORTH AMERICAN SAFETY, INC.	SAFETY VESTS	PV	172481	001	00701	355.80	INV53659
				Payment Amount					355.80	
86211	10/27/20	16372	OLIN CORPORATION - CHLOR ALKALI	4,824 GAL HYPOCHLORITE	PV	172437	001	00701	4,063.38	2887316
				4,908 GAL HYPOCHLORITE	PV	172438	001	00701	4,134.13	2888138
				4,898 GAL HYPOCHLORITE	PV	172439	001	00701	4,125.71	2889966

Batch Number - 283176  
Bank Account - 00146807 Cash-General

Payment		Address	Name	Payment Stub Message	Document		Key		Amount	Invoice		
Number	Date	Number			Ty	Number	Itm	Co		Number		
				4,948 GAL HYPOCHLORITE	PV	172440	001	00701	4,167.82	2890966		
				4,952 GAL HYPOCHLORITE	PV	172441	001	00701	4,171.19	2892621		
		Alt Payee	16373	OLIN CORPORATION - CHLOR ALKALI P.O. BOX 402766 ATLANTA GA 30384-2766								
				Payment Amount					20,662.23			
86212	10/27/20	21650	WILLIAM PALMER	RFND BAL-CLOSED A/C	PV	172433	001	00101	193.82	071805		
				Payment Amount					193.82			
86213	10/27/20	21594	RECYCLED WOOD PRODUCTS	130 YDS WOOD CHIPS	PV	172442	001	00701	1,545.70	199636		
				130 YDS WOOD CHIPS	PV	172443	001	00701	1,545.70	199677		
				130 YDS WOOD CHIPS	PV	172444	001	00701	1,545.70	199769		
				130 YDS WOOD CHIPS	PV	172445	001	00701	1,545.70	199814		
				130 YDS WOOD CHIPS	PV	172446	001	00701	1,545.70	199962		
				130 YDS WOODCHIPS	PV	172518	001	00701	1,545.70	200065		
				130 YDS WOODCHIPS	PV	172519	001	00701	1,545.70	200154		
				130 YDS WOODCHIPS	PV	172520	001	00701	1,545.70	200248		
				130 YDS WOODCHIPS	PV	172522	001	00701	1,545.70	200364		
				Payment Amount					13,911.30			
86214	10/27/20	21640	REMEDIAL TRANSPORTATIO N SERVICES INC	RFND BAL-CLOSED A/C	PV	172428	001	00101	568.25	9999795-08414 5		
				Payment Amount					568.25			
86215	10/27/20	21651	REYES CONSTRUCTION INC.	RFND BAL-CLOSED A/C	PV	172434	001	00101	1,500.00	9999577		
				Payment Amount					1,500.00			



Batch Number - 283176  
Bank Account - 00146807 Cash-General

Payment		Address	Name	Payment Stub Message	Document	Key		Amount	Invoice
Number	Date	Number			Ty	Number	Item Co		Number
86216	10/27/20	16022	ROLLS SCAFFOLD & EQUIPMENT, INC	SCFLD-WLK 9/14~10/11	PV	172496	001 00701	2,268.02	6086535S1C
				Payment Amount				2,268.02	
86217	10/27/20	2956	SOUTH COAST AIR QUALITY MGMT DIST	TAPIA OPS #20547	PV	172502	001 00751	7,899.73	3693696
				TAPIA EMMSNS #20547	PV	172503	001 00751	143.22	3695021
				CRNL ICE #54771	PV	172504	001 00101	421.02	3693749
				CONDUIT ICE #54772	PV	172506	001 00101	421.02	3693750
				CONDUIT EMMSNS #54772	PV	172507	001 00101	143.22	3695234
				WL ICE #54773	PV	172508	001 00101	1,684.08	3693751
				WL EMMSNS #54773	PV	172509	001 00101	143.22	3695235
				CRNL EMMSNS #54771	PV	172523	001 00101	143.22	3695233
				Payment Amount				10,998.73	
86218	10/27/20	2958	SOUTHERN CALIFORNIA GAS CO	CONDUIT 9/17~10/19	PV	172501	001 00101	15.78	8400/102120
				Payment Amount				15.78	
86219	10/27/20	12149	THATCHER CO. OF CALIFORNIA	CONTAINER RFND-#279471	PD	172489	001 00751	275.00-	279470
				CONTAINER DEPOSIT	PV	172490	001 00751	275.00	279471
				274 GAL	PV	172491	001 00701	2,163.22	279471
				CITRIC ACID 3,992.9 GAL	PV	172493	001 00701	5,869.57	279225
				BISULFITE 4,085 GAL	PV	172494	001 00701	6,005.22	279460
				BISULFITE Payment Amount				14,038.01	
86220	10/27/20	20971	THOUSAND OAKS PLUMBING INC.	CLEAR DRAIN-REACTOR	PV	172473	001 00751	160.00	26629015
				Payment Amount				160.00	
86221	10/27/20	21652	JILL TORRES	RFND	PV	172435	001 00101	136.27	050534

Batch Number - 283176  
Bank Account - 00146807 Cash-General

Payment		Address	Name	Payment Stub Message	Document	Key		Amount	Invoice
Number	Date	Number			Ty	Number	Itm Co		Number
				BAL-CLOSED					
				A/C					
				Payment Amount				136.27	
86222	10/27/20	21653	JENNIFER TRIPP	RFND	PV	172436	001 00101	164.90	063970
				BAL-CLOSED					
				A/C					
				Payment Amount				164.90	
86223	10/27/20	21079	TROJAN CAPITAL INVESTMENTS	RFND	PV	172427	001 00101	160.68	351860-073679
				BAL-CLOSED					
				A/C					
				Payment Amount				160.68	
86224	10/27/20	21252	TYLER TECHNOLOGIES, INC.	ERP IMPLTN	PV	172485	001 00701	9,800.00	045-317686
				9/15-10/1					
				INVNTY START KIT	PV	172486	001 00701	14,679.53	045-317193
				Payment Amount				24,479.53	
86225	10/27/20	3006	UNDERGROUND SERVICE ALERT	DIG SAFE	PV	172447	001 00101	372.91	DSB20195378
				PERMIT FEE					
				235	PV	172448	001 00101	397.75	920200415
				TICKETS-SEP'20					
				0					
				Payment Amount				770.66	
86226	10/27/20	20935	US METRO GROUP, INC.	WINDOW	PV	172471	001 00751	500.00	102834
				CLNG-PWP BD					
				Payment Amount				500.00	
86227	10/27/20	18604	VENTURA PEST CONTROL	PEST	PV	172500	001 00701	135.00	732566
				CNTRL-OCT'20					
				PEST	PV	172500	002 00701	100.00	732566
				CNTRL-OCT'20					
				PEST	PV	172500	003 00701	340.00	732566
				CNTRL-OCT'20					
				Payment Amount				575.00	
86228	10/27/20	19685	W. LITTEN INC.	SPRYFLD	PV	172483	001 00701	2,916.93	20050
				10/5-10/7					
				SPRYFLD	PV	172484	001 00701	1,922.19	20051
				10/12-10/14					
				Payment Amount				4,839.12	
86229	10/27/20	3044	WATEREUSE ASSOCIATION	MEMBERSHIP	PV	172465	001 00701	2,086.50	D40697
				DUES-2021					
				Payment Amount				2,086.50	

Batch Number - 283176

Bank Account - 00146807 Cash-General

Payment . . .		Address	Name	Payment Stub Message	Document . . .		Key		Amount	Invoice
Number	Date	Number			Ty	Number	Item	Co		Number
86230	10/27/20	18914	WECK LABORATORIES, INC.	WLK RES-0123052	PV	172513	001	00701	84.86	W012008-LV
				WLK RES-0123053	PV	172514	001	00701	169.72	W012009-LV
				WLK RES-0129055	PV	172515	001	00701	220.64	W0J0182-LV
				TAPIA EFFLNT-012304	PV	172516	001	00701	33.95	W0J0673-LV
				8						
				Payment Amount					509.17	
				Total Amount of Payments Written					333,666.44	
				Total Number of Payments Written					54	



**LAS VIRGENES MUNICIPAL WATER DISTRICT**  
4232 Las Virgenes Road, Calabasas CA 91302

**MINUTES**  
**REGULAR MEETING**

9:00 AM

October 20, 2020

**PLEDGE OF ALLEGIANCE**

The Pledge of Allegiance to the Flag was led by Jim Korkosz.

**1. CALL TO ORDER AND ROLL CALL**

The meeting was called to order at **9:00 a.m.** by Board President Lewitt via teleconference in the Board Room at Las Virgenes Municipal Water District headquarters at 4232 Las Virgenes Road, Calabasas, CA 91302. The meeting was conducted via teleconference pursuant to the provisions of the Governor's Executive Order, N-29-20, which suspended certain requirements of the Ralph M. Brown Act to support social distancing guidelines associated with response to the coronavirus (COVID-19) outbreak. Josie Guzman, Clerk of the Board, conducted the roll call.

Present: Directors Charles Caspary, Jay Lewitt, Lynda Lo-Hill, Len Polan, and Lee Renger

Absent: None

Staff Present: David Pedersen, General Manager  
Joe McDermott, Director of Engineering and External Affairs  
Don Patterson, Director of Finance and Administration  
John Zhao, Director of Facilities and Operations  
Josie Guzman, Clerk of the Board  
Wayne Lemieux, District Counsel

**2. APPROVAL OF AGENDA**

Director Caspary moved to approve the agenda. Motion seconded by Director Polan.

Motion carried unanimously by roll call vote.

**3. PUBLIC COMMENTS**

None.

**4. CONSENT CALENDAR**

Director Lo-Hill pulled Item 4D for discussion.

**A List of Demands: October 20, 2020: Receive and file**

**B Minutes Regular Meeting of October 6, 2020**

**C Directors' Per Diem – September 2020: Ratify**

Director Caspary moved to approve Consent Calendar Items 4A, 4B, and 4C. Motion seconded by Director Polan. Motion carried unanimously by roll call vote.

**4. CONSENT CALENDAR – SEPARATE ACTION ITEM**

**D Online Billing and Presentment Services: Contract Extension**

**Authorize the General Manager to execute a three-year contract extension with Invoice Cloud, Inc., in an annual amount not to exceed \$155,000 for online billing and presentment services.**

Director Lo-Hill expressed concern that it was confusing to view a water bill on the website as customers are directed to the online payment option. She requested that the website be simplified to make it easier for customers to view their bill prior to making an online payment. Ursula Bosson, Customer Service Manager, responded that she would follow-up with Invoice Cloud to explore options to address this concern.

Director Caspary expressed concern that Invoice Cloud's Certificate of Completion related to data security was expired and requested that staff obtain a current certificate.

Director Caspary moved to approve the Consent Calendar Item 4D. Motion seconded by Director Lo-Hill. Motion carried unanimously by roll call vote.

**5. ILLUSTRATIVE AND/OR VERBAL PRESENTATION AGENDA ITEMS**

**A MWD Representative Report**

Glen Peterson, MWD Representative, reported that the MWD Board inducted new Director Matt Peterson, representing the City of Los Angeles. He also reported that Chairwoman Gloria Gray was elected to serve a second term as the Chairwoman, effective January 1, 2021. He stated that he expected Judy Abdo would be elected to

serve a second term as the Board Secretary. He noted that Dr. Terry Fulp, Regional Director of the U.S. Bureau of Reclamation Lower Colorado Region, would be retiring and that he planned to attend Dr. Fulp's retirement celebration on October 21st via Zoom. He reported that at the MWD Board meeting held on October 13th, the Board awarded a contract for rehabilitation of the Diamond Valley Lake wave attenuator; awarded a contract for drainage and erosion control improvements at Garvey Reservoir; authorized an agreement with the U.S. Department of the Interior, Bureau of Land Management for the Colorado River Aqueduct Federal Reversionary Interest Release Program; authorized an amendment to the agreement for participation in the Sites Reservoir Project Phase 2 Workplan; and conducted employee performance evaluations for General Counsel, General Auditor, and Ethics Officer with no salary increases. He also reported that outreach efforts were continuing for the MWD General Manager recruitment. He responded to a question regarding the timing for completing the environmental impact report for the Sites Reservoir Project by stating that he believed the environmental review would be completed within two to three years. He also responded to a question regarding the background of public comments received from MWD employees by stating that these were related to an employee's Equal Employment Opportunity (EEO) complaint related to sexual harassment. He also provided an update regarding the MWD Engineering and Operations virtual tour and noted that the tour would be designed for the MWD Directors only. He stated that he was unable to obtain authorization to include the LVMWD Directors and others; however, videos would be produced as an option in place of live tours for member agencies.

## **B Legislative and Regulatory Updates**

Joe McDermott, Director of Engineering and External Affairs, noted that in response to AB 3030 (Kalra), California Land and Ocean Conservation Goals, being held in suspense, Governor Gavin Newsom introduced Executive Order N-82-80, which would look to conserving at least 30 percent of California's lands and coastal waters by 2030 and create the California Diversity Collaborative. He stated that the Governor's executive order removed some of the ambiguity regarding water and water rights. He also provided an update regarding negotiations with the South Coast Air Quality Management District (SCAQMD) on the proposal to change its rules dealing with exceeding emergency generator runtime limits during a Public Safety Power Shutoff (PSPS) event and testing and maintenance. He noted that SCAQMD was in contact with representatives from the California Mutual Utilities Association (CMUA) and Syrus Devers, the District's lobbyist from Best Best & Krieger. He stated that staff was awaiting a timeline from SCAQMD in order to determine whether to work on a possible legislative effort for next year. He also reported that no federal COVID-19 relief stimulus package was expected until after the election.

## **C Water Supply Conditions Update**

No additional update was provided.

## **D Tap-in 2020 Virtual Program**

Riki Clark, Public Affairs Associate II, provided an overview of the Tap-in 2020 Education Summit webinar with the theme “Sustainable Education – Balancing the New Norm.” She stated that the goal of the program would be to keep sustainability and water security at the forefront of public consciousness, while providing a holistic forum of resources for parents adjusting to their new heightened role in their children’s education. She also stated that the program’s audience would be parents, educators, and water agencies. She reviewed the agenda for the program, which would be held on November 5th and 12th at no cost to participants. She suggested that Director Lo-Hill provide the opening remarks due to her background as an educator and tutor. She responded to a question regarding whether the District had other educational materials that could be shared with parents by stating that the District uses technology to hold virtual tours of District and JPA-owned facilities. She noted that a self-guided, 360-degree virtual tour of the Tapia Water Reclamation Facility was available.

Director Caspary suggested that the District’s videos on water use efficiency and landscaping might be useful tools as well.

## **6. TREASURER**

Director Lo-Hill stated that the Treasurer’s report was in order.

## **7. BOARD OF DIRECTORS**

### **A Response to Coronavirus (COVID-19) Pandemic: Continuation of Emergency**

#### **Approve the continuation of an emergency declaration for response to the coronavirus (COVID-19) pandemic.**

Ursula Bosson, Customer Service Manager, presented the report. She noted that staff would bring back a policy at the next Board meeting regarding installation of flow restrictors to address delinquent, high water use accounts for non-payment. She stated that staff would also bring back consideration of miscellaneous fees and other Las Virgenes Code changes. She provided an update on the concept of placing liens against properties for past due accounts, and stated that this option did not appear to be feasible because placing a lien would require legal action. The District would need to file a legal action, and staff would need to attend a court hearing. She also stated that the District would not be able to collect against the lien until the property was sold or refinanced by the owner. She noted that the District could pursue referring accounts that were 90 days past due to the District’s collection agency, which would affect customers’ credit reports and allow the collection agency to pursue collecting the balances due.

Wayne Lemieux, District Counsel, responded to a question regarding ways that the District might be able to collect on accounts that become delinquent by stating that the District could ask customers to agree to a lien as a condition of receiving water service. He noted that a lien could not be placed on a private property without due process.

General Manager David Pedersen stated that placement of a lien might be considered as an effective tool for very large unpaid balances and suggested the Board might consider this option further if warranted.

Joe McDermott, Director of Engineering and External Affairs, responded to a question regarding whether other water districts were installing flow restrictors during the COVID-19 pandemic by stating that flow restrictors were previously installed in Phoenix, Arizona prior to the pandemic. He noted that staff was working with legal counsel to address potential liability for properties with fire sprinkler systems and stated that the District would generally have immunity from liability.

Board President Lewitt expressed an interest in exploring whether other water districts were installing flow restrictors and any other options during the pandemic. He also asked staff to consider whether the staff report for the response to the COVID-19 pandemic could be presented once per month instead of at every Board meeting.

Director Lo-Hill moved to approve Item 7A. Motion seconded by Director Polan. Motion carried unanimously by roll call vote.

## **B Proposed 2021 Board Meeting Calendar**

**Review the proposed 2021 Board Meeting Calendar and make any scheduling adjustments.**

Josie Guzman, Executive Assistant/Clerk of the Board, presented the report.

The Board discussed cancelling the May 4, 2021 Regular Meeting due to a conflict with the ACWA Spring Conference; scheduling a Special Meeting on May 12, 2021; cancelling the May 18, 2021 Regular Meeting; keeping the July 6, 2021 Regular Meeting; cancelling the September 7 and 21, 2021 Regular Meetings; scheduling a Special Meeting on August 31, 2021; and scheduling a Special Meeting on September 15, 2021.

Director Caspary moved to approve the 2021 Board Meeting Calendar as amended. Motion seconded by Director Polan. Motion carried unanimously by roll call vote.

## **8. ENGINEERING AND EXTERNAL AFFAIRS**

### **A Saddle Peak and Cordillera Tank Rehabilitation Project: Construction Award**

**Award construction contracts to Advanced Industrial Services, Inc., in the amount of \$994,500, for the Saddle Peak Tank Rehabilitation Project, and Cal Sierra Construction, Inc., in the amount of \$772,100, for the Cordillera Tank Rehabilitation Project; and reject all remaining bids upon receipt of duly executed contract documents.**

Veronica Hurtado, Assistant Engineer, presented the report.



Director Polan moved to approve Item 8A. Motion seconded by Director Caspary.

Ms. Hurtado responded to a question regarding the change in coating options by stating that additional coating manufacturers and comparable coating materials were included in the bid documents.

Eric Schlageter, Principal Engineer, stated that one of the observations noticed during the COVID-19 pandemic was a reduction in construction costs likely due to projects being deferred and reductions in funding from other agencies, which resulted in a more competitive bidding environment.

Motion carried unanimously by roll call vote.

**B Woolsey Fire Facility Repair Project No. 2, Westlake Filtration Plant: CEQA Determination and Call for Bids**

**Find that the work is exempt from provisions of California Environmental Quality Act, and authorize the issuance of a Call for Bids for the Woolsey Fire Facility Repair Project No. 2, Westlake Filtration Plant.**

General Manager David Pedersen provided introductory remarks and recognized staff on their efforts in prioritizing the restoration of facilities damaged during the Woolsey Fire.

Veronica Hurtado, Assistant Engineer, presented the report.

Director Lo-Hill moved to approve Item 8B. Motion seconded by Director Polan.

Eric Schlageter, Principal Engineer, responded to a question regarding whether the District's insurance carrier would provide reimbursement for this project by stating that the District would be reimbursed for the cost of the repairs and applications would be filed with the Federal Emergency Management Agency (FEMA) and the California Office of Emergency Services (CalOES) to provide reimbursement for any work not covered by insurance.

Motion carried unanimously by roll call vote

**9. NON-ACTION ITEMS**

**A Organization Reports**

Director Caspary noted that the Santa Monica Bay Restoration Commission Governing Board rescheduled its meeting to October 22nd to avoid a conflict with the Los Angeles Regional Water Quality Control Board's draft MS4 Permit public workshop, which was held on October 15th.

**B Director's Reports on Outside Meetings**

Director Polan reported that he viewed the recording from the WateReuse Virtual Symposium and noted that a case study found that the population in Texas discovered they liked the taste of advanced treated wastewater more than the taste of tap water. He suggested that this could be used as a marketing tool for the Pure Water Project Las Virgenes-Triunfo.

Board President Lewitt expressed interest in having a taste test of bottled water compared to advanced treated water from the Pure Water Demonstration Facility. He reported that he attended the Association of Water Agencies of Ventura County's (AWAVC) Virtual WaterWise Program on October 15, where a presentation was provided by Casitas Municipal Water District. He noted that after former Governor Jerry Brown declared the drought was over that the water level in Casitas Lake remained at only 30 percent full and did not recover after the drought. He suggested that the District should continue the message that drought conditions remain regardless of the former Governor's declaration.

## **C General Manager Reports**

### **(1) General Business**

General Manager David Pedersen reported that staff continued to work on the five-year rate study effort, and inquired whether the Board would be available for a Special Meeting on November 10 at 9:00 a.m. to review the rate study. The Board agreed. He also reported that the California Public Utilities Commission requested that Southern California Edison and investor-owned electric utility providers establish Public Safety Power Shutoff (PSPS) advisory boards, and he noted that he was appointed to Southern California Edison's PSPS Advisory Board. He stated that the first meeting would be held later that day. He also reported that a water main break occurred in Hidden Hills on Jed Smith near Round Meadow. He stated that the main break was not related to the deteriorating AC pipe, and it was caused by a circumference split generally due to surface loading on the pipe. He also reported that a small brush fire occurred in Liberty Canyon on October 17th, which was quickly extinguished by the Fire Department. He noted that during the Woolsey Fire, the District received a Notice of Violation from the Occupational Safety and Health Administration (OSHA) related to trench shoring on Kanan Road. He stated that the District appealed the violation, and OSHA agreed to a settlement in the amount of \$4,900. He responded to a question regarding remediation efforts for future trench shoring by stating that adjustable shield boxes were purchased to shore trenches, and the District could contract with a trench shoring contractor when needed. John Zhao, Director of Facilities and Administration, added that the District purchased a portable excavation box for trench shoring. He also stated that a responsible person would need to make a determination on soil conditions prior to excavating to ensure that trenched walls were not susceptible to caving.

### **(2) Follow-Up Items**

General Manager David Pedersen noted that the follow-up items included a report on repairs to cracks in the Las Virgenes Reservoir spillway, an update on the Weather-based Irrigation Controller Program, and consideration of a mascot for the Pure Water Project Las Virgenes-Triunfo.

## **D Directors' Comments**

Board President Lewitt acknowledged staff for attaching their photographs when participating in the Board meetings via Zoom.

### **10. FUTURE AGENDA ITEMS**

Director Lo-Hill moved to bring back Michael Hart's presentation regarding a memorial park for a natural or green burial site at the Rancho Las Virgenes Farm Sprayfields. Motion seconded by Director Polan.

### **11. PUBLIC COMMENTS**

None.

### **12. CLOSED SESSION**

None.

### **13. OPEN SESSION AND ADJOURNMENT**

Seeing no further business to come before the Board, the meeting was duly adjourned at 10:39 a.m.

---

Jay Lewitt, President  
Board of Directors  
Las Virgenes Municipal Water District

ATTEST:

---

Charles Caspary, Secretary  
Board of Directors  
Las Virgenes Municipal Water District

(SEAL)

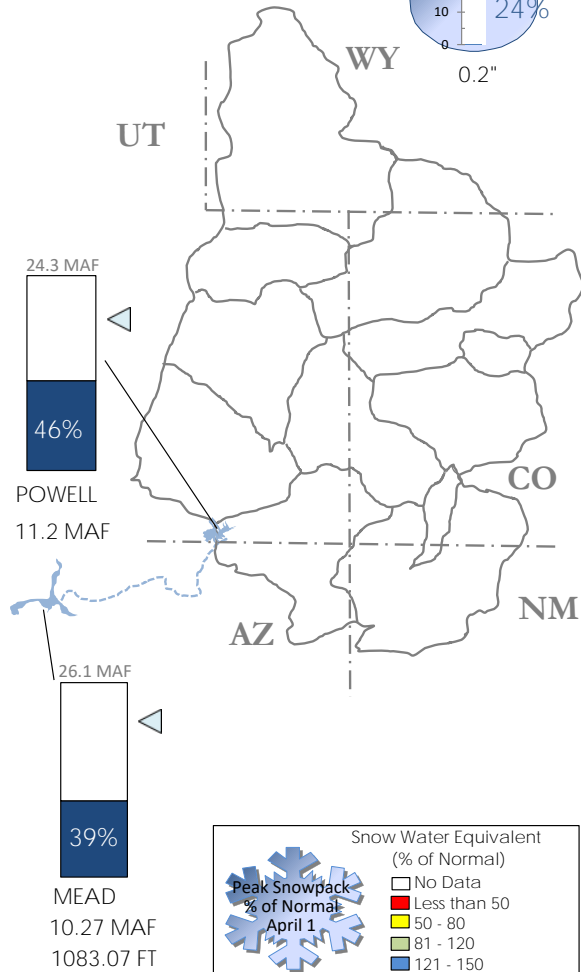
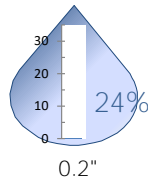


# Water Supply Conditions Report

As of: 10/13/2020

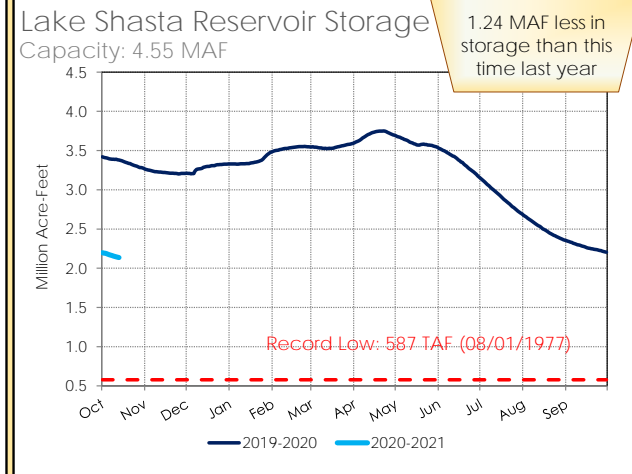
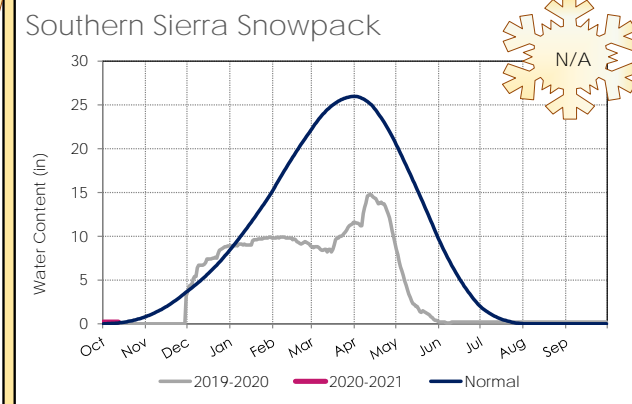
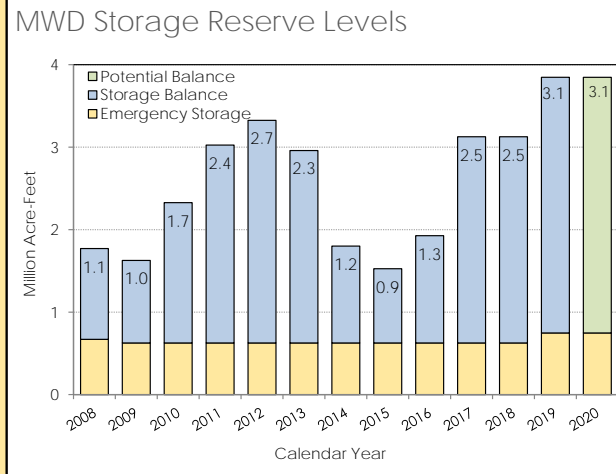
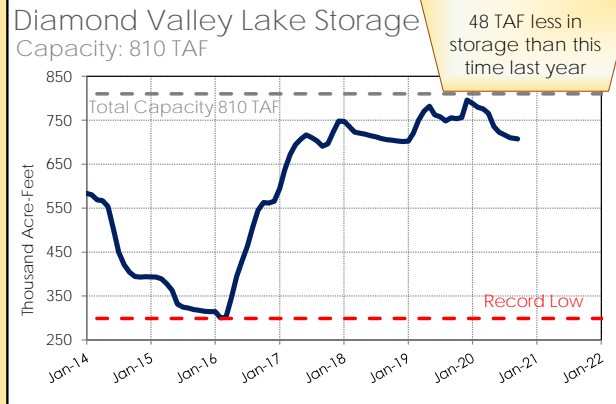
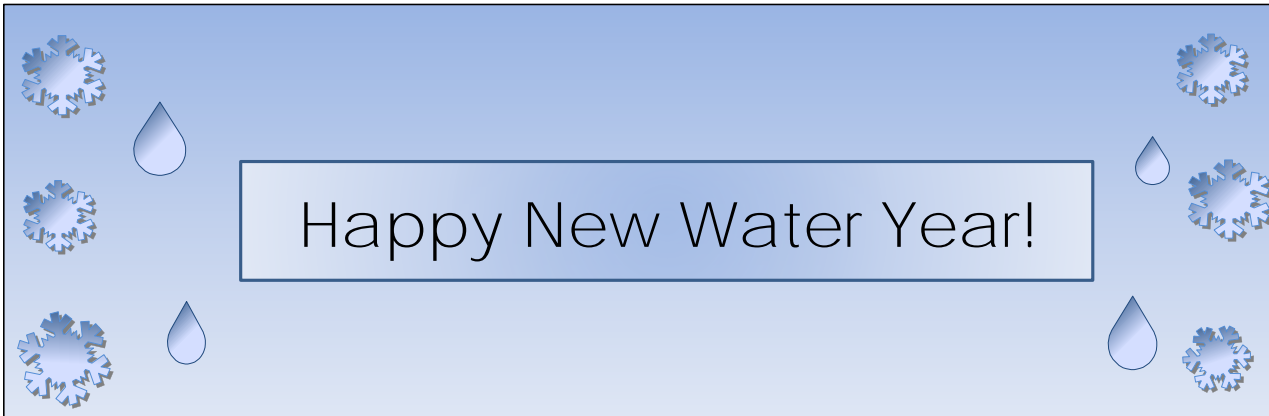


2020 Colorado River  
829,000 AF  
Projected CRA Diversions



Turn page for more CRA Data

Flip Over for SWP Data

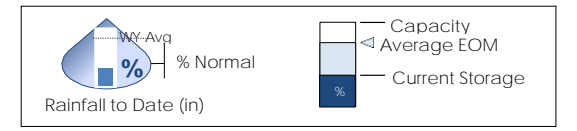
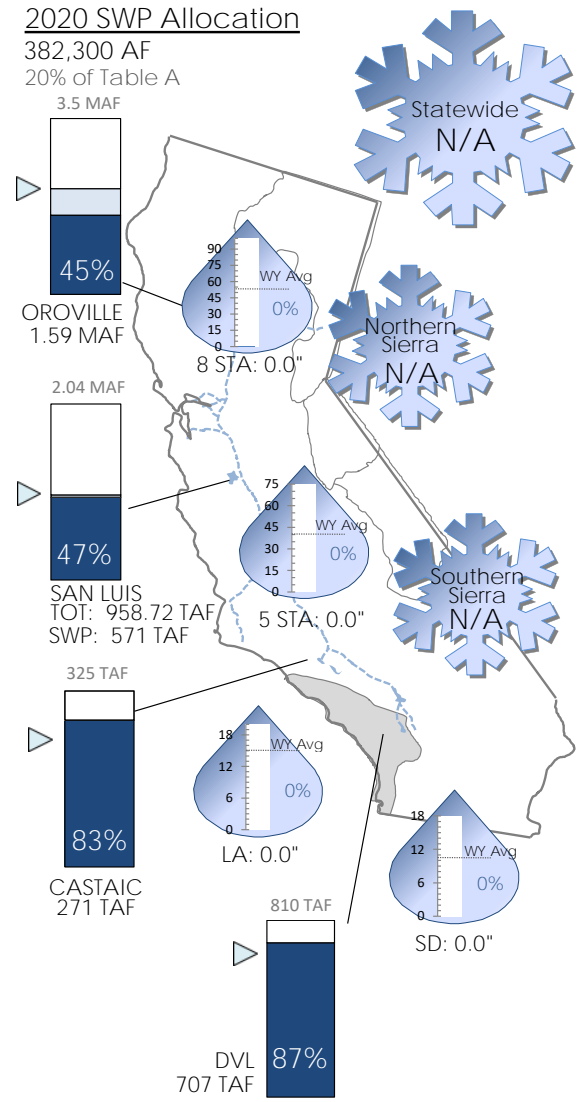


This report is produced by the Water Resource Management Group and contains information from various federal, state, and local agencies. The Metropolitan Water District of Southern California cannot guarantee the accuracy or completeness of this information. Readers should refer to the relevant state, federal, and local agencies for additional or for the most up to date water supply information. Reservoirs, lakes, aqueducts, maps, watersheds, and all other visual representations on this report are not drawn to scale. <http://www.mwdh2o.com/WSCR>  
This report is best printed double sided on legal size paper (8.5" x 14") and folded in quarters. Questions? Email mferreira@mwdh2o.com



# Water Supply Conditions Report

As of: 10/13/2020

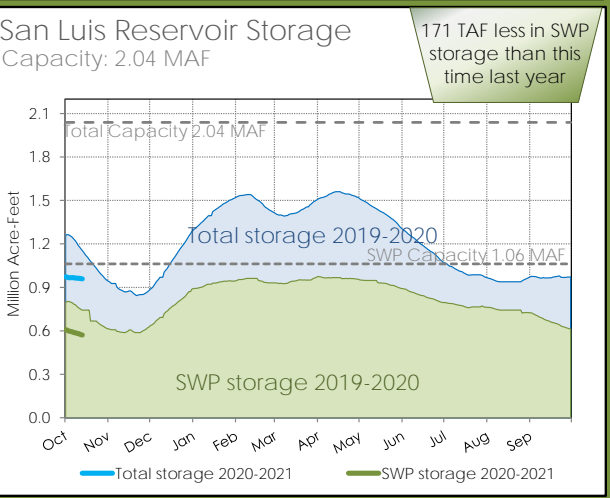
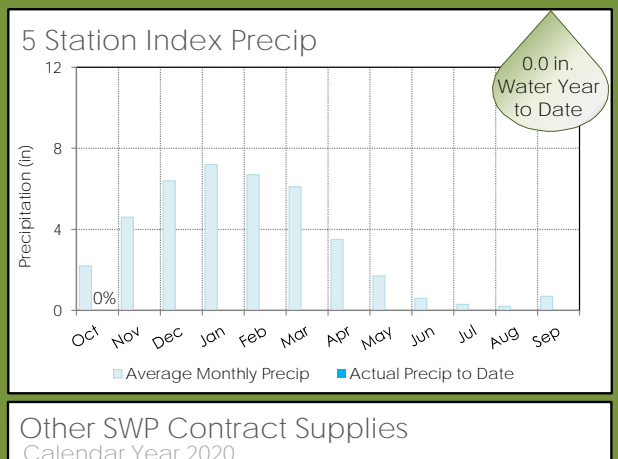
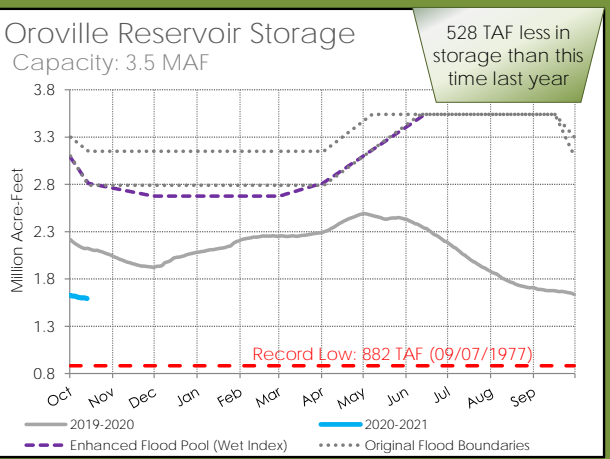
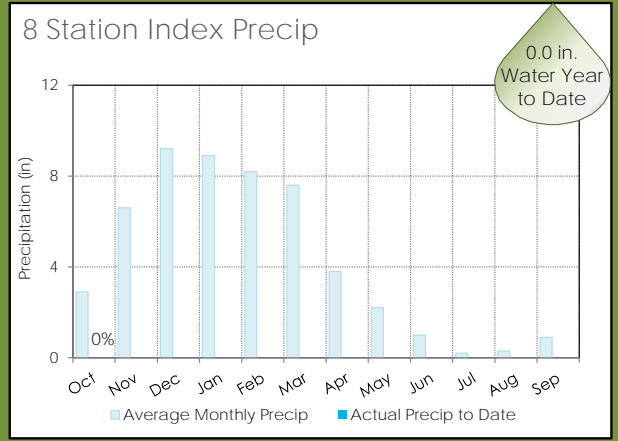
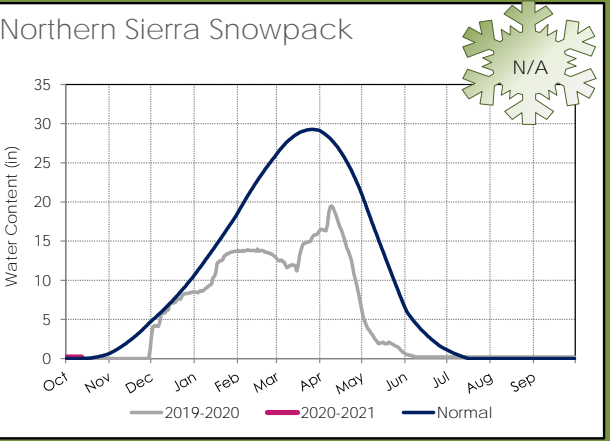


Flip Over for CRA Data

Turn page for more SWP Data

# State Water Project Resources

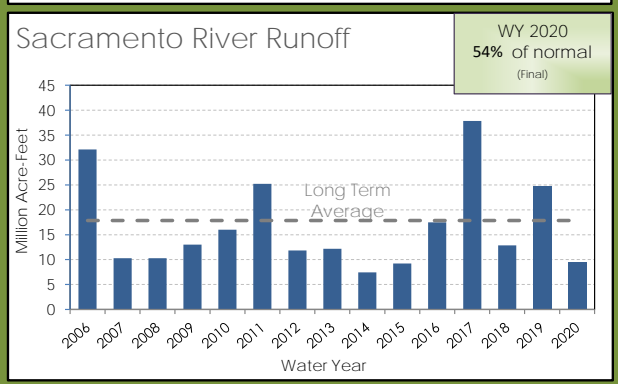
As of: 10/13/2020



### Other SWP Contract Supplies

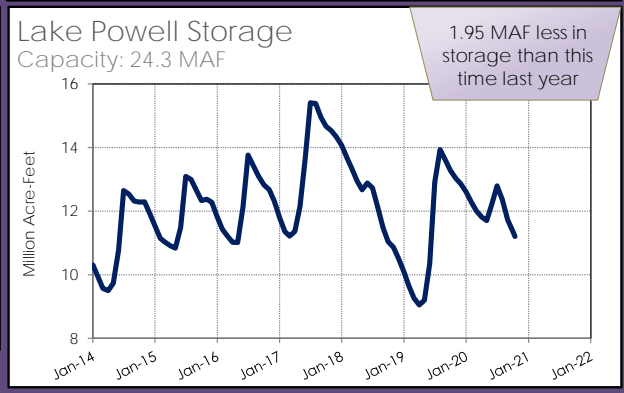
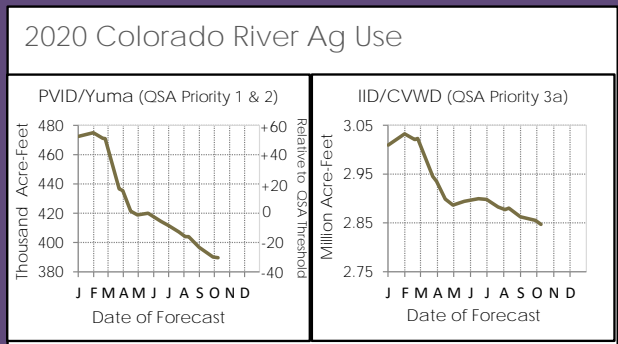
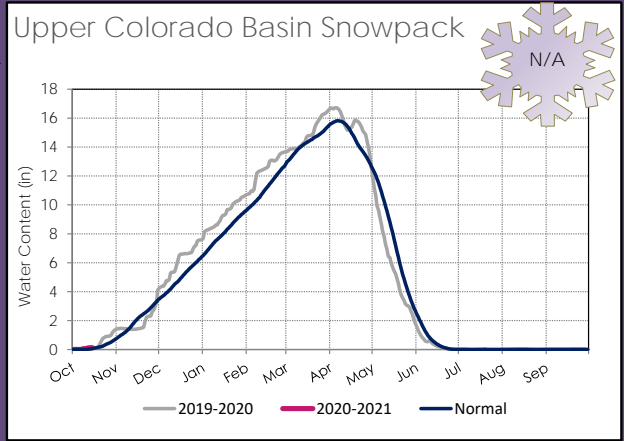
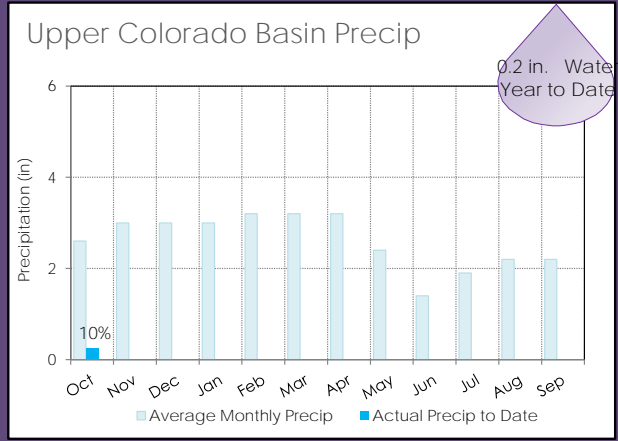
Calendar Year 2020

Carryover	330,766 AF	Transfer Supplies	5,000 (est.) AF
-----------	------------	-------------------	-----------------



# Colorado River Resources

As of: 10/13/2020



### Lake Mead Shortage/Surplus Outlook

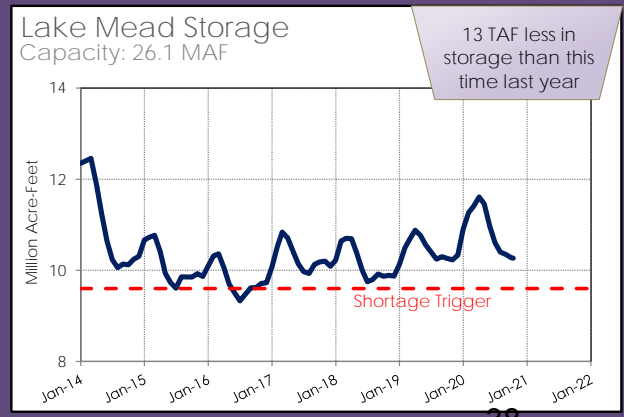
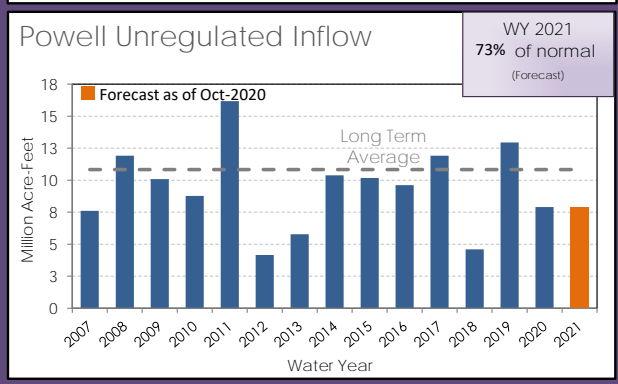
	2021	2022	2023	2024	2025
Shortage	0%	23%	44%	49%	53%
Surplus	0%	0%	4%	7%	11%

Likelihood based on results from the August 2020 CRSS model run. Includes DCP Contributions.

### Projected Lake Mead ICS

Calendar Year 2020

Put (+)/Take(-)	+ 345,000 AF
-----------------	--------------





November 3, 2020 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: General Manager

**Subject : Response to Coronavirus (COVID-19) Pandemic: Continuation of Emergency**

**SUMMARY:**

On March 24, 2020, the Board adopted Resolution No. 2572, declaring a state of emergency for the District's service area due to the coronavirus (COVID-19) pandemic and authorizing actions to support the response and recovery effort. On April 21, 2020, the Board adopted Resolution No. 2574, amending and reenacting the declaration of a local state of emergency and authorizing interest-free flexible payments plans for up to 24 months. On May 19, 2020, the Board adopted Resolution No. 2576, amending and reenacting the declaration of a local state of emergency and authorizing a waiver of service initiation fees for commercial customers who temporarily closed their accounts due to hardships associated with COVID-19. Subsequently, on June 16, 2020, the Board adopted Resolution No. 2578, amending and reenacting the declaration of a local state of emergency and authorizing a partial credit to commercial hotel customers for fixed sewer charges for the months of April and May 2020 with a maximum 50 percent reduction of the charges.

Section 2-6.402 of the Las Virgenes Municipal Water District Code requires that once the Board has declared an emergency, it must determine by a 4/5's vote at each subsequent regular Board meeting whether to continue or terminate the authorization for emergency. Staff recommends that the emergency declaration be continued.

**RECOMMENDATION(S):**

Approve the continuation of an emergency declaration for response to the coronavirus (COVID-19) pandemic.

**FISCAL IMPACT:**

No

**ITEM BUDGETED:**

No

**DISCUSSION:**

Resolution Nos. 2572, 2574, 2576, and 2578 authorized and directed the General Manager to temporarily grant relief to District customers, as follows:

- Avoid shutting off water service for non-payment;
- Discontinue the issuance of door tags and associated fees for non-payment;
- Waive late charges for past due water and wastewater bills; and
- Authorize interest-free flexible payment plans for up to 24 months.
- Authorize waiving service initiation fees for commercial customers who temporarily closed their accounts due to hardship associated with COVID-19
- Authorize a partial credit to commercial hotel customers for fixed sewer charges for the months of April and May 2020 with a maximum 50 percent reduction of the charges.

At the next Board meeting, staff will provide a comprehensive update on the District's response to the coronavirus (COVID-19) pandemic, including the following items:

- Response actions taken to-date;
- Effectiveness of the above-described actions;
- Feedback received from customers; and
- Billing and financial metrics.

**GOALS:**

Provide Safe and Quality Water with Reliable Services

Prepared by: David W. Pedersen, General Manager





To: Las Virgenes - Triunfo JPA  
From: Syrus Devers, Best Best & Krieger  
Date: October 23, 2020  
Re: Monthly Report

### **Legislative Report**

Bill signatures:

The last day for the Governor to sign legislation was October 1st, and the main theme of the final package of bills was criminal justice reform. Although an exact number is not available, Newsom allowed far more bills to be enacted without action than most of his predecessors. (California does not have a “pocket veto.” Unsigned legislation becomes law in the same way a signed bill.)

### **Administrative Report**

New Executive Order:

Near the last day of the legislative session the water industry came together to defeat AB 3030 (Karla) in the Senate Appropriations Committee. This JPA opposed that bill over the vague terms it used, such as “protect” and “water” without any definition. Apparently Governor Newsome was a fan of the bill because he issued an executive order, which is rather extensive and can be read here <https://www.gov.ca.gov/wp-content/uploads/2020/10/10.07.2020-EO-N-82-20-.pdf>, that revives several parts of AB 3030, including the catchy phrases used in the bill such as protecting 30% of California’s biodiversity by 2030. In the final analysis, however, the order basically calls for an inventory of the state’s endangered habitats and a plan to save them. Several state agencies will be involved but they are instructed to work within their “existing authority and resources.” The strategic plan is due by February 1, 2022. No doubt those state agencies will be relieved to know what they should do with all that spare time and extra money.

**Shutoff Prohibitions:**

The SWRCB is exploring how best to collect data on the fiscal impact of the prohibitions on water shutoffs during the pandemic. A voluntary survey was sent out to all public water agencies but less than 10% responded. The board then discussed the issue in their hearing on October 6th. At this point the board is in the information gathering mode, but mandatory reports are on the table. ACWA is advocating for a voluntary process, preferably one organized by the water industry, as well as other technical amendments. According to the SWRCB, this information is helpful with federal advocacy over new relief funds.

**The Budget:**

You may recall that the budget deal passed by the Legislature included payment deferrals in the hope that federal stimulus funds would arrive in time to avoid following through with cuts. The clock has run out on that plan. The Legislature gave itself until October 15th to determine if cuts would have to be made should there be no more help from the federal government. With the prospects of a deal being struck in Washington before the election looking worse every day, and dim prospects for significant new funds going to states even if a bill is passed, the state has to start grappling with the deficits. If no more federal aid money is allocated to California this year, the state's K-12 schools will have to absorb \$5.8 billion in payment deferrals, state employees would lose \$2.8 billion in compensation, and public universities would have to process their own nine-figure budget reductions, among other cuts lawmakers hoped to reverse. If a new stimulus package is agreed to, the Governor could call a special session to reverse the cuts.

**Wildfires:**

This is officially the worst fire season in history. 2.4 million acres have burned, but that number only counts fires under state and local jurisdiction. The number jumps to over 4.1 million acres if federal lands are included. Compare that to 2018 when 1,975,086 acres burned. Most of the fires this year were started by lightning in more remote areas which lessened their lethality. 15 lives were lost in the recent North Complex Fire, and only one in the August Complex fire, the largest fire in California's history, while the deadly Camp Fire took 85 people in 2018. But keep in mind that the Camp Fire struck in November.

**To:** Las Virgenes-Triunfo JPA Staff and Board of Directors  
**From:** John Freshman, Ana Schwab, and Lowry Crook  
**Date:** October 23, 2020  
**RE:** Federal Report

### **Congressional Schedule**

The Senate will be on recess after the vote on President Trump's Supreme Court nominee on Monday, October 16. The House is currently in recess and will return after the election.

The House is scheduled to return for a lame-duck session November 16 through mid-December. The Senate will return from November 8 through December 18.

### **COVID-19 Relief**

House Speaker Pelosi and Treasury Secretary Mnuchin continued to have discussions about the next COVID-19 relief package this week. Secretary Mnuchin has offered a total of \$1.9 trillion, close to the \$2.2 trillion the House Democrats have proposed. President Trump has periodically stated that he would sign a package with even more funding than \$2 trillion dollars; however, Senate Majority Leader Mitch McConnell has said neither he nor most Republican senators will support a relief package that large.

Although Pelosi and Mnuchin have made progress on funds and plans for virus testing, tracing, vaccination strategy, and schools, they remain stuck on funding for state and local governments. That funding is a top priority for Democratic leadership but the Democrats' proposed funding levels have been opposed by President Trump and Senate Republicans.

On Wednesday, Senate Democrats blocked a narrower \$500 billion proposal by Senate Republicans. It now looks extremely unlikely that a relief package will pass before the lame-duck session.

### **Appropriations**

Currently a continuing resolution is keeping the Federal government open and funded at fiscal year 2020 levels until December 11.

The Senate Appropriations Committee has not considered any appropriations bills. In July, the House passed 10 of 12 appropriation bills. The House has not taken up the Legislative or Homeland Security funding bills.

If former Vice President Biden wins the November 3 election, it is highly likely that most appropriations bills would be held until after his inauguration. If President Trump is re-elected, it is more likely appropriations bills will pass during the lame duck session.

In the Interior & Environment appropriations bill, we remain focused on fixing the WIFIA funding rescission and lack of new appropriations, and we are closely tracking proposals for additional State Revolving Loan Funds and minimum percentages that must be used for loan forgiveness and therefore would not revolve.

### **Water Resources Development Act**

The water infrastructure authorization bill is currently being negotiated between the House and Senate. The leaders are hoping to pass the legislation before the end of the year, during the lame-duck session.

The final bill will include language from the 2020 Water Resources Development Act (WRDA), H.R. 7575, a bipartisan bill the House passed in July. It will also include language from the Senate version of WRDA, S. 3591, along with S. 3590, which is focused on drinking water infrastructure.

The most challenging issue is that the House is insisting on additional authorization of harbor maintenance funding, especially for additional Army Corps dredging on the West Coast. Such a change would likely cause the legislation to score under budget rules, and Senate budget leaders have stated they will oppose a WRDA bill that scores. The House and Senate are also negotiating the National Pollutant Discharge Elimination System (NPDES) permit term limits, which are currently five years and could be changed to ten.

### **Defense Reauthorization**

In July, the House and Senate passed their respective versions of the 2021 National Defense Authorization Act (NDAA) (S. 4049, H.R. 6395). The leaders of the Senate and House Armed Services committees have had a few meetings, and will meet again on Monday, October 26 to discuss a compromise version of the bill. House Armed Services Chairman Adam Smith (D-WA) said that he expects the NDAA conference to begin in early December.

On October 5, a group of 18 sent a letter to the House and Senate urging them to add language designating PFAS as a hazardous substance under the Superfund law. We still believe this Congress is unlikely to do so.

### **Executive Order on Water Resource Management**

On October 13, President Trump signed an Executive Order on Modernizing America's Water Resource Management and Water Infrastructure. The order formalizes a Water subcabinet of senior Federal agency officials who have been meeting regularly. It will be co-chaired by the Secretary of the Interior and the Administrator of the Environmental Protection Agency, and will include the Secretary of Agriculture, the Secretary of Commerce, the Secretary of Energy, and the Secretary of the Army. It establishes a series of deadlines for the subcabinet to report on a list of water-related priorities, and to propose ways to streamline the scores of interagency initiatives and tasks forces that deal with water management and infrastructure issues. The Executive Order is only likely to be carried out if President Trump is re-elected.

**LAS VIRGENES TRIUNFO - HIGH PRIORITY LEGISLATION IN THE 116TH CONGRESS  
THROUGH OCTOBER 23, 2020**

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R. 34</u></a> <a href="#"><u>Energy and Water Research Integration Act of 2019</u></a>	<p>To ensure consideration of water intensity in the Department of Energy’s energy research, development, and demonstration programs to help guarantee efficient, reliable, and sustainable delivery of energy and clean water resources.</p>	<p>Introduced by Rep. Eddie Bernice Johnson (D-TX) – January 3, 2019</p> <p>Passed/agreed to in the House – July 23, 2019.</p> <p>Introduced in the Senate</p>	
<a href="#"><u>S. 47</u></a> <a href="#"><u>Natural Resources Management Act</u></a>	<p>This bill sets forth provisions regarding various programs, projects, activities, and studies for the management and conservation of natural resources on federal lands.</p> <ul style="list-style-type: none"> <li>• Specifically, the bill addresses, among other matters</li> <li>• land conveyances, exchanges, acquisitions, withdrawals, and transfers;</li> <li>• national parks, monuments, memorials, wilderness areas, wild and scenic rivers, historic and heritage sites, and other conservation and recreation areas;</li> <li>• wildlife conservation;</li> <li>• helium extraction;</li> <li>• small miner waivers of claim maintenance fees;</li> <li>• wildland fire operations;</li> <li>• the release of certain federal reversionary land interests;</li> <li>• boundary adjustments;</li> <li>• the Denali National Park and Preserve natural gas pipeline;</li> <li>• fees for medical services in units of the National Park System;</li> <li>• funding for the Land and Water Conservation Fund;</li> <li>• recreational activities on federal or nonfederal lands;</li> <li>• a national volcano early warning and monitoring system;</li> <li>• federal reclamation projects; and</li> <li>• search-and recovery-missions.</li> </ul> <p>In addition, the bill reauthorizes the National Cooperative Geologic Mapping Program.</p>	<p>Introduced by Sen. Lisa Murkowski (R-AK) – January 8, 2019</p> <p>Became Public Law No: 116-9 – March 12, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 40</a> <a href="#">Bureau of Reclamation Transparency Act</a>	To require the Secretary of the Interior to submit to Congress a report on the efforts of the Bureau of Reclamation to manage its infrastructure assets.	Introduced by Sen. John Barrasso (R-WY) – January 8, 2019	
<a href="#">H.R. 357</a> <a href="#">Sacramento-San Joaquin Delta National Heritage Area Act</a>	To establish the Sacramento-San Joaquin Delta National Heritage Area. The boundaries of the Heritage Area shall be in the counties of Contra Costa, Sacramento, San Joaquin, Solano, and Yolo in the State of California, as generally depicted on the map entitled “Sacramento-San Joaquin Delta National Heritage Area Proposed Boundary”, numbered T27/105,030, and dated October 2012.	Introduced by Rep. John Garamendi (D-CA) – January 9, 2019  Signed into law on March 12, 2019 as part of S. 47 – Natural Resources Management Act	
<a href="#">H.R. 535</a> <a href="#">PFAS Action Act of 2019</a>	To require the Administrator of the Environmental Protection Agency to designate per- and polyfluoroalkyl substances as hazardous substances under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980.	Introduced by Rep. Debbie Dingell (D-MI) – January 14, 2019  Received in the Senate – January 13, 2020	
<a href="#">H.R. 579</a> <a href="#">Water Rights Protection Act of 2019</a>	To prohibit the conditioning of any permit, lease, or other use agreement on the transfer of any water right to the United States by the Secretaries of the Interior and Agriculture, and for other purposes.	Introduced by Rep. Scott Tipton (R-CO) – January 15, 2019	
<a href="#">H.R. 664</a> <a href="#">Recreational Lands Self-Defense Act of 2019</a>	To protect the right of individuals to bear arms at water resources development projects administered by the Secretary of the Army, and for other purposes	Introduced by Rep. Bob Gibbs (D-OH) – January 17, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 667</a> <a href="#">Regulatory Certainty for Navigable Waters Act</a>	To repeal the Waters of the United States rule and amend the Federal Water Pollution Control Act	Introduced by Rep. Jamie Herrera Beutler (R-WA) – January 17, 2019	
<a href="#">H.R. 658</a> <a href="#">National Infrastructure Development Bank Act of 2019</a>	To facilitate efficient investments and financing of infrastructure projects and new job creation through the establishment of a National Infrastructure Development Bank, and for other purposes. Highlighting environmental infrastructure projects which include drinking water, waste water treatment facility, and stormwater management system.	Introduced by Rep. Rosa DeLauro (D-CT) – January 17, 2019	
<a href="#">H.R. 807</a> <a href="#">Water and Agriculture Tax Reform Act of 2019</a>	To amend the Internal Revenue Code of 1986 to facilitate water leasing and water transfers to promote conservation and efficiency.	Introduced by Rep. Ken Buck (R-CO) – January 28, 2019	
<a href="#">H.R. 843</a> <a href="#">Reform EPA Act</a>	To amend the Federal Water Pollution Control Act to clarify when the Administrator of the Environmental Protection Agency has the authority to prohibit the specification of a defined area, or deny or restrict the use of a defined area for specification, as a disposal site under section 404 of such Act, and for other purposes.	Introduced by Rep. Bob Gibbs (R-OH) – January 29, 2019	
<a href="#">H.R. 855</a> <a href="#">STRONG Act</a>	To minimize the economic and social costs resulting from losses of life, property, well-being, business activity, and economic growth associated with extreme weather events by ensuring that the United States is more resilient to the impacts of extreme weather events in the short- and long-term, and for other purposes. Key sectors shall include water management, including supply and treatment; infrastructure, including natural and built forms of water and wastewater services;	Introduced by Rep. Scott Peters (D-CA) – January 29, 2019	
<a href="#">S. 308</a> <a href="#">Santa Ana River Wash Plan Land Exchange Act</a>	A bill to direct the Secretary of the Interior to convey certain Federal lands in San Bernardino County, California, to the San Bernardino Valley Water Conservation District, and to accept in return certain non-Federal lands, and for other purposes	Introduced by Sen. Dianne Feinstein (D-CA) – January 31, 2019	
<a href="#">S. 361</a> <a href="#">Water and Agriculture Tax Reform Act of 2019</a>	A bill to amend the Internal Revenue Code of 1986 to facilitate water leasing and water transfers to promote conservation and efficiency.	Introduced by Sen. Cory Gardner (R-CO) – February 6, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R. 1067</u></a> <a href="#"><u>Santa Ana River Wash Plan Land Exchange Act</u></a>	To direct the Secretary of the Interior to convey certain Federal lands in San Bernardino County, California, to the San Bernardino Valley Water Conservation District, and to accept in return certain non-Federal lands, and for other purposes.	Introduced by Rep. Pete Aguilar (D-CA) – February 7, 2019	
<a href="#"><u>S. 376</u></a> <a href="#"><u>Defense of Environment and Property Act of 2019</u></a>	A bill to amend the Federal Water Pollution Control Act to clarify the definition of navigable waters, and for other purposes.	Introduced by Sen. Rand Paul (R-KY) – February 7, 2019	
<a href="#"><u>H.R. 1137</u></a> <a href="#"><u>To amend the Water Resources Development Act of 1986 to repeal the authority relating to reprogramming during national emergencies.</u></a>	To amend the Water Resources Development Act of 1986 to repeal the authority relating to reprogramming during national emergencies.	Introduced by Rep. John Garamendi (D-CA) – February 11, 2019	
<a href="#"><u>H.R. 1162</u></a> <a href="#"><u>Water Recycling Investment and Improvement Act</u></a>	To extend the authorization of the Bureau of reclamation’s Title XVI competitive grants program, and increases the authorized funding levels from \$50 million to \$500 million. Further the legislation expands the geographic scope of the program by removing a requirement that projects be located in sustained drought or disaster areas, makes the program truly competitive by removing a requirement that Congress sign off on each selected project, and modernizes the individual program funding cap from \$20 million to \$30 million.	Introduced by Rep. Grace Napolitano (D-CA) – Introduced February 13, 2019  Ordered to be Reported (Amended) – March 11, 2020	<i>Support</i>
<a href="#"><u>H.R. 1334</u></a> <a href="#"><u>Outdoor Recreation Legacy Partnership Grant Program Acts</u></a>	To provide grants for projects to acquire land and water for parks and other outdoor recreation purposes and to develop new or renovate existing outdoor recreation facilities.	Introduced by Rep. Nanette Barragan (D-CA) – February 25, 2019	



LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 1331</a> <a href="#">Local Water Protection Act</a>	<p>To amend Section 319(j) of the Federal Water Pollution Control Act ( 33 U.S.C. 1329 (j)) is amended by striking “subsections (h) and (i) not to exceed” and all that follows through “fiscal year 1991” and inserting “subsections (h) and (i) \$200,000,000 for each of fiscal years 2020 through 2024”.</p>	<p>Introduced by Rep. Annie Craig (D-MN) – February 26, 2019</p> <p>Passed/agreed to in House - April 8, 2019. Introduced in the Senate.</p>	
<a href="#">H.R. 1429</a> <a href="#">Drinking Water Infrastructure for Job Creation Act</a>	<p>Making supplemental appropriations, of \$7,500,000,000, for fiscal year 2019 for the Drinking Water State Revolving Funds, and for other purposes.</p>	<p>Introduced by Rep. Maxine Waters (D-CA) – February 28,2019</p>	
<a href="#">S. 611</a> <a href="#">Water Affordability, Transparency, Equity, and Reliability Act of 2019</a>	<p>To establish a trust fund, of \$34,850,000,000, to provide for adequate funding for water and sewer infrastructure, and for other purposes.</p>	<p>Introduced by Sen. Bernie Sanders (I-VT) – February 28, 2019</p>	
<a href="#">H.R. 1417</a> <a href="#">Water Affordability, Transparency, Equity, and Reliability Act of 2019</a>	<p>To establish a trust fund, of \$34,850,000,000, to provide for adequate funding for water and sewer infrastructure, and for other purposes.</p>	<p>Introduced by Rep. Brenda Lawrence (D-MI) – March 1, 2019</p>	
<a href="#">H.R. 1497</a> <a href="#">Water Quality Protection and Job Creation Act of 2019</a>	<p>To amend the Federal Water Pollution Control Act to reauthorize certain water pollution control programs, and for other purposes. The legislation would authorize \$120,000,000 for each of fiscal years 2020 through 2024.”</p>	<p>Introduced by Rep. Pete DeFazio (D-OR) – March 6, 2019</p> <p>Reported by the Committee. Placed on the Union Calendar – September 4, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 1621</a> <a href="#">Water Supply Permitting Coordination Act</a>	To authorize the Secretary of the Interior to coordinate Federal and State permitting processes related to the construction of new surface water storage projects on lands under the jurisdiction of the Secretary of the Interior and the Secretary of Agriculture and to designate the Bureau of Reclamation as the lead agency for permit processing, and for other purposes.	Introduced by Rep. Tom McClintock (R-CA) – March 7, 2019	
<a href="#">H.R. 1764</a> <a href="#">To amend the Federal Water Pollution Control Act with respect to permitting terms, and for other purposes.</a>	To extend the NPDES permit period from 5 years to 10 years.	Introduced by Rep. John Garamendi (D-CA) – March 14, 2019	<i>Support (with condition of needing Napolitano's support on the bill as well)</i>
<a href="#">H.R. 2030</a> <a href="#">Colorado River Drought Contingency Plan Authorization Act</a>	This bill requires the Department of the Interior to carry out the Colorado River Drought Contingency Plan which was submitted to Congress on March 19, 2019, by Arizona, California, Colorado, Nevada, New Mexico, Utah, and Wyoming. Interior must execute the plan without delay and operate applicable Colorado River System reservoirs accordingly.	Introduced by Rep. Raul Grijalva (D-AZ) – April 2, 2019  Became Public Law No: 116-14 - April 16, 2019	
<a href="#">S. 1057</a> <a href="#">Colorado River Drought Contingency Plan Authorization Act</a>	This bill requires the Department of the Interior to carry out the Colorado River Drought Contingency Plan which was submitted to Congress on March 19, 2019, by Arizona, California, Colorado, Nevada, New Mexico, Utah, and Wyoming. Interior must execute the plan without delay and operate applicable Colorado River System reservoirs accordingly	Introduced by Sen. Martha McSally (R-AZ) – April 8, 2019  Passed the Senate on April 9, 2019. Introduced in the House	
<a href="#">S. 1087</a> <a href="#">Water Quality Certification Improvement Act of 2019</a>	To amend the Federal Water Pollution Control Act to make changes with respect to water quality certification, and for other purposes.	Introduced by Sen. John Barrasso (R-WY) – April 9, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 2215</a> <a href="#">San Gabriel Mountains Foothills and Rivers Protections Act</a>	<p>The legislation would designate over 30,000 acres of protected wilderness and 45.5 miles of protected rivers and expand the San Gabriel Mountains National Monument, establish a National Recreation Area along the foothills and the San Gabriel Corridor. The bill would expand the borders of the monument to include the western Angeles National Forest</p>	<p>Introduced by Rep. Judy Chu (D-CA) – April 10, 2019</p> <p>Placed on the Union Calendar – February 4, 2020</p>	
<a href="#">S. 1109</a> <a href="#">San Gabriel Mountains Foothills and Rivers Protection Act</a>	<p>To establish as a unit of the National Park System the San Gabriel National Recreation Area in the State of California, and for other purposes.</p>	<p>Introduced by Sen. Kamala Harris (D-CA) – April 10, 2019</p>	
<a href="#">H.R. 2205</a> <a href="#">Water Quality Certification Improvement Act of 2019</a>	<p>To amend the Federal Water Pollution Control Act to make changes with respect to water quality certification, and for other purposes.</p>	<p>Introduced by Rep. David McKinley (R-WV) – April 11, 2019</p>	
<a href="#">H.R. 2287</a> <a href="#">Federal Regulatory Certainty for Water Act</a>	<p>This bill nullifies the Clean Water Rule that was issued on May 27, 2015, by the Environmental Protection Agency and the U.S. Army Corps of Engineers. The rule describes the scope of the Clean Water Act.</p> <p>Under this bill, the Clean Water Act applies to waters of the United States that are (1) navigable-in-fact; or (2) permanent or continuously flowing bodies of water that form geographical features commonly known as streams, oceans, rivers, and lakes that are connected to waters that are navigable-in-fact.</p> <p>Under this bill, the Act does not apply to (1) waters that do not physically abut those waters of the United States through an actual and continuous surface water connection; (2) man-made or natural structures or channels through which water flows intermittently or ephemerally; or (3) wetlands (including playa lakes, prairie potholes, wet meadows, wet prairies, and vernal pools) that lack that continuous surface water connection.</p> <p>The aggregation of wetlands or waters may not be used to determine whether the wetlands or waters are navigable waters.</p>	<p>Introduced by Rep. Mac Thornberry (R-TX) – April 11, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 2313</a> <a href="#">Water Conservation Rebate Tax Parity Act</a>	<p>To amend the Internal Revenue Code of 1986 to expand the exclusion for certain conservation subsidies to include subsidies for water conservation or efficiency measures and storm water management measures.</p>	<p>Introduced by Rep. Jared Huffman (D-CA) – April 12, 2019</p>	
<a href="#">H. Res. 324</a> <a href="#">Recognizing the importance of the United States-Israel economic relationship and encouraging new areas of cooperation</a>	<p>(1) affirms that the United States-Israel economic partnership has achieved great tangible and intangible benefits to both countries and is a foundational component of the strong alliance;</p> <p>(2) recognizes that science and technology innovation present promising new frontiers for United States-Israel economic cooperation, particularly in light of widespread drought, cybersecurity attacks, and other major challenges impacting the United States;</p> <p>(3) encourages the President to regularize and expand existing forums of economic dialogue with Israel and foster both public and private sector participation; and</p> <p>(4) expresses support for the President to explore new agreements with Israel, including in the fields of energy, water, agriculture, medicine, neurotechnology, and cybersecurity.</p>	<p>Introduced by Rep. Ted Lieu (D-CA) – April 18, 2019</p>	
<a href="#">H.R. 2377</a> <a href="#">Protect Drinking Water from PFAS Act of 2019</a>	<p>To amend the Safe Drinking Water Act to require the Administrator of the Environmental Protection Agency to publish a maximum contaminant level goal and promulgate a national primary drinking water regulation for total per- and polyfluoroalkyl substances, and for other purposes.</p>	<p>Introduced by Rep. Brendan Boyle (D-PA) – April 29, 2019</p> <p>Forwarded by Subcommittee to Full Committee on Energy and Commerce by Voice Vote – September 26, 2019</p>	
<a href="#">S. 1251</a> <a href="#">Safe Drinking Water Assistance Act of 2019</a>	<p>A bill to improve and coordinate interagency Federal actions and provide assistance to States for responding to public health challenges posed by emerging contaminants, and for other purposes.</p>	<p>Introduced by Sen. Jeanne Shaheen (D-NH) – April 30, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 1245</a> <a href="#">All-of-the-Above Federal Building Energy Conservation Act of 2019</a>	A bill to improve energy performance in Federal buildings, including water usage.	Introduced by Sen. John Hoeven (R-ND) – April 30, 2019  Placed on Senate Legislative Calendar - September 25, 2019	
<a href="#">H.R. 2462</a> <a href="#">Flood Mapping Modernization and Homeowner Empowerment Pilot Program Act of 2019</a>	To establish a pilot program to enhance the mapping of urban flooding and associated property damage and the availability of such mapped data to homeowners, businesses, and localities to help understand and mitigate the risk of such flooding, and for other purposes.	Introduced by Rep. Mike Quigley (D-IL) – May 2, 2019	
<a href="#">S. 1276</a> <a href="#">Flood Mapping Modernization and Homeowner Empowerment Pilot Program Act of 2019</a>	To establish a pilot program to enhance the mapping of urban flooding and associated property damage and the availability of such mapped data to homeowners, businesses, and localities to help understand and mitigate the risk of such flooding, and for other purposes.	Introduced by Sen. Dick Durbin (D-IL) – May 2, 2019	
<a href="#">H.R. 2458</a> <a href="#">Water Infrastructure Sustainability and Efficiency Act</a>	To amend the Federal Water Pollution Control Act to require a certain percentage of funds appropriated for revolving fund capitalization grants be used for green projects, and for other purposes.	Introduced by Rep. Debbie Mucarsel-Powell (D-FL) – May 2, 2019	
<a href="#">H.R. 2473</a> <a href="#">Securing Access for the central Valley and Enhancing (SAVE) Water Resources Act</a>	To promote water supply reliability and improved water management for rural communities, the State of California, and the Nation, and for other purposes.	Introduced by Rep. Josh Harder (D-CA) – May 2, 2019  Order to be Reported (Amended) – March 11, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 2470</a> <a href="#">Clean Water Infrastructure Resilience and Sustainability Act</a>	To direct the Administrator of the Environmental Protection Agency to establish a program to make grants to eligible entities to increase the resilience of publicly owned treatment works to natural disasters.	Introduced by Rep. Salud Carbajal (D-CA) – May 3, 2019	
<a href="#">S. 1372</a> <a href="#">PFAS Accountability Act of 2019</a>	To encourage Federal agencies to expeditiously enter into or amend cooperative agreements with States for removal and remedial actions to address PFAS contamination in drinking, surface, and ground water and land surface and subsurface strata, and for other purposes.	Introduced by Sen. Debbie Stabenow (D-MI) – May 8, 2019	
<a href="#">H.R. 2570</a> <a href="#">PFAS User Fee Act of 2019</a>	To ensure that polluters pay ongoing water treatment costs associated with contamination from perfluoroalkyl and polyfluoroalkyl substances, and for other purposes.	Introduced Rep. Harley Rouda (D-CA) – May 9, 2019  Forwarded by Subcommittee to Full Committee on Energy and Commerce by voice vote – September 26, 2019	<i>Watching</i>
<a href="#">H.R. 2665</a> <a href="#">Smart Energy and Water Efficiency Act of 2019</a>	To direct the Secretary of Energy to establish a smart energy and water efficiency program, and for other purposes.	Introduced Rep. Jerry McNerney (D-CA) – May 13, 2019  Ordered to be Reported (Amended) by Voice Vote – July 17, 2019	
<a href="#">H.R. 2705</a> <a href="#">Water Infrastructure Trust Fund Act of 2019</a>	To establish a Water Infrastructure Trust Fund through the Treasury Department - 50% of the fund shall be available to the EPA for capitalization grants under §601 of the Federal Water Pollution Control Act and 50% of the fund shall be available to the EPA for capitalization grants under §1452 under the Safe Drinking Water Act.	Introduced by Rep. Earl Blumenauer (D-OR) – May 14, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 1473</a> <a href="#">Protect Drinking Water from PFAS Act of 2019</a>	To amend the Safe Drinking Water Act to require the Administrator of the Environmental Protection Agency to set maximum contaminant levels for certain chemicals, and for other purposes.	Introduced by Sen. Kirsten Gillibrand (D-NY) – May 15, 2019	
<a href="#">H.R. 2800</a> <a href="#">PFAS Monitoring Act of 2019</a>	To amend the Safe Drinking Water Act to require continued and expanded monitoring of perfluoroalkyl and polyfluoroalkyl substances in drinking water, and for other purposes.	Introduced by Rep. Elissa Slotkin (D-MI) – May 16, 2019	
<a href="#">S. 1507</a> <a href="#">PFAS Release Disclosure Act</a>	To include certain perfluoroalkyl and polyfluoroalkyl substances in the toxics release inventory, and for other purposes.	Introduced by Sen. Shelley Moore Capito (R-WV) – May 16, 2019  Passed the Senate Committee on Environment and Public Works and placed on the Senate Calendar for a full vote – June 19, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 2776</a> <a href="#">Stop Sewage Overflow Act</a>	<p>To make certain municipalities eligible for grants under the Federal Water Pollution Control Act. Grant cost shares would be applicable as follows:</p> <ul style="list-style-type: none"> <li>• Not less than 55 percent for municipalities the affected residents of which pay, on average, 2.0 percent or less of their household income for sewer service.</li> <li>• Not less than 60 percent for municipalities the affected residents of which pay, on average, more than 2.0 percent, but not more than 2.5 percent, of their household income for sewer service.</li> <li>• Not less than 65 percent for municipalities the affected residents of which pay, on average, more than 2.5 percent, but not more than 3.0 percent, of their household income for sewer service.</li> <li>• Not less than 70 percent for municipalities the affected residents of which pay, on average, more than 3.0 percent, but not more than 3.5 percent, of their household income for sewer service.</li> <li>• Not less than 75 percent for municipalities the affected residents of which pay, on average, more than 3.5 percent of their household income for sewer service.</li> <li>•</li> </ul>	<p>Introduced by Rep. Lori Traham (D-MA) – May 16, 2019</p>	
<a href="#">H.R. 2871</a> <a href="#">Aquifer Recharge Flexibility Act</a>	<p>To provide flexibility to allow greater aquifer recharge. Eligible land, with respect to a Reclamation project, means land that is authorized to receive water under State law and shares a groundwater source with land located in the service area of the Reclamation project.</p>	<p>Introduced by Rep. Russ Fulcher (R-ID) – May 21, 2019</p> <p>Natural Resources Subcommittee on Water, Oceans, and Wildlife hearing held – June 25, 2020</p>	
<a href="#">S. 1604</a> <a href="#">Local Water Protection Act</a>	<p>To amend the Federal Water Pollution Control Act to reauthorize certain programs relating to nonpoint source management – specifically authorization appropriations of \$7,500,000 per year for FY2020 through FY2024.</p>	<p>Introduced by Sen. Amy Klobuchar (D-MN) - May 22, 2019</p>	



LEGISLATION	SUMMARY	STATUS	POSITION
<p><b><a href="#">S. 1689</a></b>  <a href="#">A bill to permit States to transfer certain funds from the clean water revolving fund of a State to the drinking water revolving fund of the State in certain circumstances, and for other purposes.</a></p>	<p>To permit States to transfer certain funds from the clean water revolving fund of a State to the drinking water revolving fund of the State in certain circumstances, and for other purposes.</p>	<p>Introduced by Sen. Cory Booker (D-NJ) – May 23, 2019</p> <p>Became Public Law No: 116-63 – October 4, 2019</p>	<p><i>Watching</i></p>
<p><b><a href="#">S. Res. 213</a></b>  <a href="#">A resolution designating the week of May 19 through May 25, 2019 as “National Public Works Week.”</a></p>	<p>This resolution designates the week of May 19-May 25, 2019, as National Public Works Week.</p>	<p>Introduced by Sen. Jim Inhofe (R-OK) – May 23, 2019</p> <p>Passed the Senate – May 23, 2019</p>	
<p><b><a href="#">S. 1811</a></b>  <a href="#">A bill to make technical corrections to the America’s Water Infrastructure Act of 2018</a></p>	<p>To make technical corrections to the America’s Water Infrastructure Act of 2018. Corrections include:</p> <ul style="list-style-type: none"> <li>• Extending the Non-Federal Implementation Pilot Program from five to ten years; and</li> <li>• Amending the local government reservoir permit review to remove the limitation of those only owned and operated by the Secretary.</li> </ul>	<p>Introduced by Sen. John Barrasso (R-WY)</p> <p>Passed the Senate – July 10, 2019</p>	
<p><b><a href="#">S. 1857</a></b>  <a href="#">Federal Energy and Water Management Performance Act of 2019</a></p>	<p>To amend the National Energy Conservation Policy Act to improve Federal energy and water performance requirements for Federal buildings and establish a Federal Energy Management Program. The program is to exist from 2020-2030. One area addressed is to improve water use efficiency and management, including stormwater management, at facilities of the agency by reducing agency potable water consumption intensity (as measure in galls per gross square food) by 54% by FY2030, relative to the water consumption of the agency in FY2007 and through reductions of 2% each fiscal year.</p>	<p>Introduced by Sen. Lisa Murkowski (R-AK) – June 13, 2019</p> <p>Placed on Senate Legislative Calendar – September 25, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 3254</a> <a href="#">PIPE Act</a>	<p>To require the Administrator of the Environmental Protection Agency to establish a discretionary grant program for drinking water and wastewater infrastructure projects, and for other purposes. Priority of the grant program would be to help bring public water systems into compliance with the Safe Drinking Water Act or for publicly owned treatment works into compliance with the Federal Water Pollution Control Act. The federal cost share of projects under this program will not exceed 100%. The grants program is to be authorized for \$500,000,000 a year for fiscal years 2020 through 2029.</p>	<p>Introduced by Rep. Antonio Delgado (D-NY) – June 14, 2019</p>	
<a href="#">S. 1932</a> <a href="#">Drought Resiliency and Water Supply Infrastructure Act</a>	<p>To support water infrastructure in Reclamation states and for other purposes. The bill includes a 5-year, \$100 million reauthorization of the Bureau of Reclamation’s Title XVI Water Reclamation and Reuse competitive grant program, originally authorized in the 2016 Water Infrastructure Improvements for the Nation (WIIN) Act (Title XVI-WIIN). In addition to the key Title XVI-WIIN Competitive Grant Program, the legislation includes \$60 million for desalination, additional funding for surface and groundwater storage, and a new low-interest loan program for the financing of a range of water infrastructure projects.</p>	<p>Introduced by Sen. Cory Gardner (RCO) – June 20, 2019</p> <p>Subcommittee on Water and Power hearing – July 18, 2019</p>	
<a href="#">H.R. 3423</a> <a href="#">National Green Bank Act of 2019</a>	<p>To amend title 31, United States Code, to provide for the issuance of Green Bonds and to establish the United States Green Bank, and for other purposes.</p>	<p>Introduced by Rep. Jim Himes (D-CT) – June 21, 2019</p>	
<a href="#">H.R. 3521</a> <a href="#">Wastewater Infrastructure Workforce Investment Act</a>	<p>To amend the Federal Water Pollution Control Act with respect to wastewater infrastructure workforce development, and for other purposes. Amends the language from manpower to workforce. Gives the states the ability to reserve up to 1% of the sums allotted to the state under this section for the fiscal year to carry out workforce development, training, and retraining.</p>	<p>Introduced Rep. Greg Stanton (D-AZ) – June 26, 2019</p>	
<a href="#">H.R. 3510</a> <a href="#">Water Resources Research Amendments Act</a>	<p>To amend the Water Resources Research Act of 1984 to reauthorize grants for and require applied water supply research regarding the water resources research and technology institutes established under that Act.</p>	<p>Introduced by Rep. Josh Harder (D-CA) – June 26, 2019</p> <p>Subcommittee on Water, Oceans, and Wildlife hearing – July 25, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 2044</a> <a href="#">Water Supply Infrastructure Rehabilitation and Utilization Act</a>	To amend the Omnibus Public Land Management Act of 2009 to establish an Aging Infrastructure Account, to amend the Reclamation Safety of Dams Act of 1978 to provide additional funds under that Act, to establish a review of flood control rule curves pilot project within the Bureau of Reclamation, and for other purposes.	Introduced by Sen. Martha McSally (R-AZ) – June 27, 2019  Placed on Senate Legislative Calendar – October 29, 2019	
<a href="#">S. 2013</a> <a href="#">A bill to protect the right of individuals to bear arms at water resources development projects</a>	To protect the right of individuals to bear arms at water resources development projects.	Introduced by Sen. Mike Crapo (R-ID) – June 27, 2019	<i>Watching</i>
<a href="#">H.R. 3616</a> <a href="#">Clean Water Standards for PFAS Act of 2019</a>	To require the Administrator of the Environmental Protection Agency to designate per- and polyfluoroalkyl substances as toxic pollutants under the Federal Water Pollution Control Act, and for other purposes.	Introduced by Rep. Chris Pappas (D-NH) – July 2, 2019	
<a href="#">S. 2056</a> <a href="#">Build America, Buy America Act</a>	To ensure that certain Federal infrastructure programs require the use of materials produced in the United States, and for other purposes.	Introduced by Sen. Sherrod Brown (D-OH) – July 8, 2019	
<a href="#">H.R. 3723</a> <a href="#">Desalination Development Act</a>	To promote desalination project development and drought resilience, and for other purposes.	Introduced by Rep. Mike Levin (D-CA) – July 11, 2019  Ordered to be Reported (Amended) – March 11, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 3779</a> <a href="#">Resilience</a> <a href="#">Revolving Loan</a> <a href="#">Fund Act of 2019</a>	To amend the Robert T. Stafford Disaster Relief and Emergency Assistance Act to allow the Administrator of the Federal Emergency Management Agency to provide capitalization grants to eligible entities to establish revolving funds to provide assistance to reduce disaster risks, and for other purposes.	Introduced by Rep. Angie Craig (D-MN) – July 16, 2019  Ordered to be Reported (Amended) by Voice Vote – September 19, 2019	
<a href="#">H.R. 3844</a> <a href="#">Farmer Fairness Act</a>	To amend the Federal Water Pollution Control Act to require all persons exercising substantial operational control over a concentrated animal feeding operation to jointly obtain a permit for certain discharges, and for other purposes.	Introduced by Rep. Ro Khanna (D-CA) – July 18, 2019	
<a href="#">S. 2187</a> <a href="#">National Flood Insurance Program</a> <a href="#">Reauthorization and Reform Act of 2019</a>	To reauthorize the National Flood Insurance Program, and for other purposes.	Introduced by Sen. Robert Menendez (D-NJ) – July 18, 2019	
<a href="#">S. 2164</a> <a href="#">Water Resources Research</a> <a href="#">Amendments Act</a>	To amend the Water Resources Research Act of 1984 to reauthorize grants for and require applied water supply research regarding the water resources research and technology institutes established under that Act.	Introduced by Sen. Ben Cardin (D-MD) – July 18, 2019	
<a href="#">S. 2239</a> <a href="#">A bill to codify an Executive order preparing the United States for the impacts of climate change, and for other purposes</a>	To codify an Executive order preparing the United States for the impacts of climate change, and for other purposes.	Introduced by Sen. Amy Klobuchar (D-MN) – July 23, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R. 3944</u></a> <a href="#"><u>To amend the Water Resources Reform and Development Act of 2014 to modify the procedure for communicating certain emergency risks, and for other purposes.</u></a>	<p>To amend the Water Resources Reform and Development Act of 2014 to modify the procedure for communicating certain emergency risks, and for other purposes.</p>	<p>Introduced by Rep. Kevin Hern (R-OK) – July 24, 2019</p>	
<a href="#"><u>H.R. 3949</u></a> <a href="#"><u>Safe Drinking Water in Playgrounds and Parks Act</u></a>	<p>To amend the Safe Drinking Water Act to provide for drinking water fountain replacement in playgrounds and parks, and for other purposes.</p>	<p>Introduced by Rep. Grace Meng (D-NY) – July 24, 2019</p>	
<a href="#"><u>H.R. 4050</u></a> <a href="#"><u>ZERO WASTE Act</u></a>	<p>To direct the Administrator of the Environmental Protection Agency to award grants for projects that are consistent with zero-waste practices, and for other purposes.</p>	<p>Introduced by Rep. Ilhan Omar (D-MN) – July 25, 2019</p>	
<a href="#"><u>H.R. 4033</u></a> <a href="#"><u>Water Justice Act</u></a>	<p>To provide supplemental appropriations for safe and secure water, and for other purposes.</p>	<p>Introduced by Rep. Daniel Kildee (D-MI) – July 25, 2019</p>	
<a href="#"><u>H.R. 4006</u></a> <a href="#"><u>CLEANER Act of 2019</u></a>	<p>To require regulation of wastes associated with the exploration, development, or production of crude oil, natural gas, or geothermal energy under the Solid Waste Disposal Act, and for other purposes.</p>	<p>Introduced by Rep. Matt Cartwright (D-PA) – July 26, 2019</p>	
<a href="#"><u>H.R. 4007</u></a> <a href="#"><u>Focused Reduction of Effluence and Stormwater runoff through HydroEnvironmental Regulation Act of 2019</u></a>	<p>To amend the Federal Water Pollution Control Act and direct the Secretary of the Interior to conduct a study with respect to stormwater runoff from oil and gas operations, and for other purposes.</p>	<p>Introduced by Rep. Matt Cartwright (D-PA) – July 26, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 2325</a> <a href="#">Super Pollutants Act</a>	To establish a task force to review policies and measures to promote, and to develop best practices for, reduction of short-lived climate pollutants, and for other purposes.	Introduced by Sen. Murphy (D-CT) – July 30, 2019  Placed on Senate Legislative Calendar – November 7, 2019	
<a href="#">S. 2356</a> <a href="#">Define WOTUS Act of 2019</a>	To provide a definition of navigable waters, and for other purposes.	Introduced by Mike Braun (R-IN) – July 31, 2019	
<a href="#">S. 2353</a> <a href="#">Protecting Firefighters from Adverse Substances Act of 2019</a>	To direct the Administrator of the Federal Emergency Management Agency to develop guidance for firefighters and other emergency response personnel on best practices to protect them from exposure to PFAS and to limit and prevent the release of PFAS into the environment, and for other purposes.	Introduced by Sen. Gary Peters (D-MI) – July 31, 2019  Placed on Senate Legislative Calendar – February 3, 2020	
<a href="#">S. 2410</a> <a href="#">Flood Reduction, Wildlife Habitat, and Water Quality Improvement Act of 2019</a>	To amend the Federal Water Pollution Control Act to modify the requirements for permits for dredged or fill material, and for other purposes.	Introduced by Sen. Cindy Hyde-Smith (R-MS) – July 31, 2019	
<a href="#">S. 2404</a> <a href="#">Build Local, Hire Local Act</a>	To establish an expansive infrastructure program to create local jobs and raise the quality of life in every community, to launch middle class career pathways in infrastructure, and to invest in high-quality American jobs, and for other purposes.	Introduced by Sen. Kirsten Gillibrand (D-NY) – July 31, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R. 4143</u></a> <a href="#"><u>Super Pollutants Act of 2019</u></a>	To establish a task force to review policies and measures to promote, and to develop best practices for, reduction of short-lived climate pollutants, and for other purposes.	Introduced by Rep. Scott Peters (D-CA) – August 2, 2019	
<a href="#"><u>H.R. 4149</u></a> <a href="#"><u>REGION Act</u></a>	To prohibit the closure, consolidation, or elimination of offices of the Environmental Protection Agency.	Introduced by Rep. Debbie Dingell (D-MI) – August 2, 2019	
<a href="#"><u>H.R. 4205</u></a> <a href="#"><u>FLARE Act</u></a>	To require the Secretary of Agriculture to reimburse sponsors for certain costs of emergency water protection measures, and for other purposes.	Introduced by Rep. John Curtis (R-UT) – August 23, 2019	
<a href="#"><u>H.R. 4266</u></a> <a href="#"><u>Clean Water Through Green Infrastructure Act</u></a>	To establish centers of excellence for innovative stormwater control infrastructure, and for other purposes.	Introduced by Rep. Denny Heck (D-WA) – September 10, 2019	
<a href="#"><u>S. 2456</u></a> <a href="#"><u>Clean Water Through Green Infrastructure Act</u></a>	To establish centers of excellence for innovative stormwater control infrastructure, and for other purposes.	Introduced by Sen. Tom Udall (R-NM) – September 10, 2019	
<a href="#"><u>S. 2466</u></a> <a href="#"><u>Water Justice Act</u></a>	To provide supplemental appropriations for safe and secure water, and for other purposes.	Introduced by Sen. Kamala Harris (D-CA) – September 11, 2019	
<a href="#"><u>S. 2470</u></a> <a href="#"><u>Energy and Water Development and Related Agencies Appropriations Act, 2020</u></a>	Making appropriations for energy and water development and related agencies for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Sen. Lamar Alexander (R-TN) – September 12, 2019  Placed on Senate Legislative Calendar – September 12, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R. 4321</u></a> <a href="#"><u>GET THE LEAD OUT Act of 2019</u></a>	To eliminate lead-based pipe and tap hazards in housing, and for other purposes.	Introduced by Rep. Tim Ryan (D-OH) – September 12, 2019	
<a href="#"><u>H.R. 4341</u></a> <a href="#"><u>Critically Endangered Animals Conservation Act of 2019</u></a>	To assist in the conservation of critically endangered species in foreign countries, and for other purposes.	<p>Introduced by Rep. Jarred Huffman (D-CA) – September 12, 2019</p> <p>Subcommittee on Water, Oceans, and Wildlife hearing - September 24, 2019</p>	
<a href="#"><u>H.R. 4347</u></a> <a href="#"><u>PREPARE Act of 2019</u></a>	To enhance the Federal Government’s planning and preparation for extreme weather and the Federal Government’s dissemination of best practices to respond to extreme weather, thereby increasing resilience, improving regional coordination, and mitigating the financial risk to the Federal Government from such extreme weather, and for other purposes.	<p>Introduced by Rep. Matt Cartwright (D-PA) – September 17, 2019</p> <p>Ordered to be Reported by voice vote – September 19, 2019</p>	
<a href="#"><u>S. 2491</u></a> <a href="#"><u>Protect America's Wildlife and Fish in Need of Conservation Act of 2019</u></a>	To terminate certain rules issued by the Secretary of the Interior and the Secretary of Commerce relating to endangered and threatened species, and for other purposes.	Introduced by Sen. Tom Udall (D-NM) – September 17, 2019	



LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S. 2522</u></a> <a href="#"><u>Agriculture, Rural Development, Food and Drug Administration, and Related Agencies Appropriations Act, 2020</u></a>	Making appropriations for Agriculture, Rural Development, Food and Drug Administration, and Related Agencies for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Rep. John Hoeven (R-ND) – September 19, 2019  Placed on Senate Legislative Calendar – September 19, 2019	
<a href="#"><u>H.R. 4348</u></a> <a href="#"><u>PAW and FIN Conservation Act of 2019</u></a>	To terminate certain rules issued by the Secretary of the Interior and the Secretary of Commerce relating to endangered and threatened species, and for other purposes.	Introduced by Rep. Raul Grijalva (D-AZ) – September 24, 2019  Placed on the Union Calendar – August 7, 2020	
<a href="#"><u>S.Res. 324</u></a> <a href="#"><u>A resolution designating September 29, 2019, as "National Urban Wildlife Refuge Day"</u></a>	Designating September 29, 2019, as “National Urban Wildlife Refuge Day”.	Introduced by Sen. Cory Gardner (R-CO) – September 24, 2019  Resolution agreed to in Senate without amendment and with a preamble by Unanimous Consent – October 16, 2019	
<a href="#"><u>H.R. 4483</u></a> <a href="#"><u>Localizing Authority of Management Plans Act of 2019</u></a>	To amend the Endangered Species Act of 1973 to increase State and local involvement in management plans.	Introduced by Rep. Don Young (R-AK) – September 24, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 2580</a> <a href="#">Department of the Interior, Environment, and Related Agencies Appropriations Act, 2020</a>	Making appropriations for the Department of the Interior, environment, and related agencies for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Sen. Lisa Murkowski (R-AK) – September 26, 2019  Placed on Senate Legislative Calendar – September 26, 2019	
<a href="#">H.R. 4512</a> <a href="#">Outdoors for All Act</a>	To provide grants for projects to acquire land and water for parks and other outdoor recreation purposes and to develop new or renovate existing outdoor recreation facilities.	Introduced by Rep. Nanette Diaz Barragan (D-CA) – September 26, 2019  Subcommittee on Natural Parks, Forests, and Public Lands hearing – February 27, 2020	
<a href="#">H.R. 4416</a> <a href="#">Lead-Free Future Act of 2019</a>	To authorize the Secretary of Housing and Urban Development to award grants to eligible entities to evaluate and reduce lead-based paint hazards, lead in drinking water hazards, and lead in soil hazards in pre-1978 residential real properties.	Introduced by Rep. Jared Golden (D-ME) – October 2, 2019	
<a href="#">H.R. 4659</a> <a href="#">Water Supply Infrastructure Rehabilitation and Utilization Act</a>	To amend the Omnibus Public Land Management Act of 2009 to establish an Aging Infrastructure Account, to amend the Reclamation Safety of Dams Act of 1978 to provide additional funds under that Act, to establish a review of flood control rule curves pilot project within the Bureau of Reclamation, and for other purposes.	Introduced by Rep. Newhouse (R-WA) – October 11, 2019	
<a href="#">S. 2596</a> <a href="#">Voluntary Water Partnership for Distressed Communities Act of 2019</a>	To amend the Safe Drinking Water Act to authorize certain community water systems to enter into partnerships to improve the water systems, and for other purposes.	Introduced by Sen. Tammy Duckworth (D-IL) – October 15, 2019	

\\

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.Res. 628</u></a> <a href="#"><u>Expressing support for the designation of the week beginning on October 13, 2019, as National Wildlife Refuge Week</u></a>	Expressing support for the designation of the week beginning on October 13, 2019, as National Wildlife Refuge Week.	Introduced by Rep. Mike Thompson (D-CA) – October 15, 2019	
<a href="#"><u>S.Res. 362</u></a> <a href="#"><u>A resolution designating the week beginning on October 13, 2019, as "National Wildlife Refuge Week"</u></a>	Designating the week beginning on October 13, 2019, as “National Wildlife Refuge Week”.	Introduced by Sen. Chris Coons (D-DE) – October 17, 2019  Resolution agreed to in Senate without amendment and with a preamble by Unanimous Consent – October 24, 2019	
<a href="#"><u>S. 2636</u></a> <a href="#"><u>Clean Water Infrastructure Resilience and Sustainability Act</u></a>	To amend the Federal Water Pollution Control Act to establish a program to make grants to eligible entities to increase the resilience of publicly owned treatment works to natural hazards, and for other purposes.	Introduced by Sen. Benjamin Cardin (D-MD) – October 17, 2019	
<a href="#"><u>H.R. 4723</u></a> <a href="#"><u>Fish Act of 2019</u></a>	To require the identification of salmon conservation areas, and for other purposes.	Introduced by Rep. Jared Huffman (D-CA) – October 17, 2019  Subcommittee on Water, Oceans, and Wildlife hearing – January 14, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<p><b><a href="#">H.R. 4732</a></b>  <a href="#">To establish a Global Climate Change Resilience Strategy, to authorize the admission of climate-displaced persons, and for other purposes</a></p>	<p>To establish a Global Climate Change Resilience Strategy, to authorize the admission of climate-displaced persons, and for other purposes.</p>	<p>Introduced by Rep. Nydia Velasquez (D-NY) – October 17, 2019</p>	
<p><b><a href="#">S.Res. 372</a></b>  <a href="#">A resolution expressing the sense of the Senate that the Federal Government should establish a national goal of conserving at least 30 percent of the land and ocean of the United States by 2030</a></p>	<p>Expressing the sense of the Senate that the Federal Government should establish a national goal of conserving at least 30 percent of the land and ocean of the United States by 2030.</p>	<p>Introduced by Sen. Tom Udall (D-NM) – October 22, 2019</p>	
<p><b><a href="#">H.R. 4780</a></b>  <a href="#">National Infrastructure Investment Corporation Act of 2019</a></p>	<p>To establish a Government corporation to provide loans and loan guarantees for infrastructure projects, and for other purposes.</p>	<p>Introduced by Rep. Salud Carbajal (D-CA) – October 22, 2019</p>	
<p><b><a href="#">S. 2674</a></b>  <a href="#">Assuring Quality Water Infrastructure Act</a></p>	<p>To amend the Safe Drinking Water Act to establish a grant program for improving infrastructure asset management by small public water systems, and for other purposes.</p>	<p>Introduced by Sen. Shelley Capito (R-WV) – October 23, 2019</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 2687</a> <a href="#">Low-Income Water Customer Assistance Programs Act of 2019</a>	To amend the Safe Drinking Water Act and the Federal Water Pollution Control Act to establish pilot programs to assist low-income households in maintaining access to sanitation services and drinking water, and for other purposes.	Introduced by Sen. Benjamin Cardin (D-MD) – October 23, 2019	
<a href="#">H.R. 4832</a> <a href="#">Low-Income Water Customer Assistance Programs Act of 2019</a>	To amend the Safe Drinking Water Act and the Federal Water Pollution Control Act to establish pilot programs to assist low-income households in maintaining access to sanitation services and drinking water, and for other purposes.	Introduced by Rep. Marcia Judge (D-OH) – October 23, 2019	
<a href="#">H.R. 4891</a> <a href="#">Western Water Security Act of 2019</a>	To provide for the conduct of certain water security measures in the Western United States, and for other purposes.	Introduced by Rep. Xochitl Torres Small (D-NM) – October 28, 2019  Ordered to be Reported (Amended) – March 11, 2020	
<a href="#">S. 2767</a> <a href="#">A bill to amend the Federal Water Pollution Control Act to establish a pilot competitive grant program for improving the sharing of water quality data, and for other purposes</a>	To amend the Federal Water Pollution Control Act to establish a pilot competitive grant program for improving the sharing of water quality data, and for other purposes.	Introduced by Sen. Doug Jones (D-AL) – October 31, 2019	
<a href="#">S. 2783</a> <a href="#">Responsibly Enhancing America's Landscapes Act</a>	To amend title 54, United States Code, to establish, fund, and provide for the use of amounts in a National Park Service Legacy Restoration Fund to address the maintenance backlog of the National Park Service, and for other purposes.	Introduced by Sen. Michael Enzi (R-WY) – November 5, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 2799</a> <a href="#">Nexus of Energy and Water for Sustainability Act of 2019</a>	To require the Secretary of Energy and the Secretary of the Interior to establish a joint Nexus of Energy and Water Sustainability Office, and for other purposes.	Introduced by Sen. Lisa Murkowski (R-AK) –November 6, 2019  Sen. Murkowski from Committee on Energy and Natural Resources filed written report – January 7, 2020	
<a href="#">S. 2792</a> <a href="#">Penny Plan to Enhance Infrastructure Act of 2019</a>	To amend the Balanced Budget and Emergency Deficit Control Act of 1985 to establish a discretionary spending limit for infrastructure spending.	Introduced by Sen. Rand Paul (R-KY) – November 6, 2019	
<a href="#">S. 2862</a> <a href="#">Drought Relief through Innovative Projects Act of 2019</a>	To direct the Secretary of Agriculture to establish a grant program to remove nonnative plant species that contribute to drought conditions, and for other purposes.	Introduced by Sen. Krysten Sinema (D-AZ)-November 14, 2019	
<a href="#">H.R. 5095</a> <a href="#">Endangered Species Accountability Reform Act</a>	To require the Secretary of the Interior to delist certain endangered species and threatened species.	Introduced by Rep.Rep. Blaine Luetkemeyer (R-MO) – November 14, 2019	
<a href="#">H.R. 5120</a> <a href="#">SAFER Pipelines Act of 2019</a>	To amend title 49, United States Code, to provide enhanced safety and environmental protection in pipeline transportation, and for other purposes.	Introduced by Rep. Peter DeFazio (D-OR) – November 20, 2019  Ordered to be Reported (Amended) – November 20, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R. 5176</u></a> <a href="#"><u>Climate Resiliency Service Corps Act of 2019</u></a>	To amend the National and Community Service Act of 1990 to establish a climate resiliency service corps to help communities withstand and respond to changes in the Earth’s climate with respect to natural disasters, and for other purposes.	Introduced by Rep. Judy Chu (D-CA) – November 19, 2019	
<a href="#"><u>H.R. 5193</u></a> <a href="#"><u>Buy America for Drinking Water Extension Act of 2019</u></a>	To amend the Safe Drinking Water Act to extend and expand the provision requiring the use of iron and steel products that are produced in the United States in projects funded through a State drinking water treatment revolving loan fund.	Introduced by Rep. Cheri Bustos (D-IL) – November 20, 2019	
<a href="#"><u>H.R. 5217</u></a> <a href="#"><u>WOW Act</u></a>	To provide for western water security, reliability, modernization, and abundance, and for other purposes.	Introduced by Rep. Tom McClintock (R-CA) – November 21, 2019	
<a href="#"><u>H.R. 5288</u></a> <a href="#"><u>Upper Mississippi River Flood Control Act</u></a>	To amend the Water Resources Development Act of 1999 to direct the Secretary of the Army to develop a plan to address water resource problems in the Upper Mississippi River Basin, and for other purposes.	Introduced by Rep. Blaine Luetkemeyer (R-MO) – December 3, 2019	
<a href="#"><u>S. 2978</u></a> <a href="#"><u>Energy and Water Research Integration Act of 2019</u></a>	To ensure consideration of water intensity in the Department of Energy’s energy research, development, and demonstration programs to help guarantee efficient, reliable, and sustainable delivery of energy and clean water resources.	Introduced by Sen. Catherine Cortez Masto (D-NV) – December 4, 2019	
<a href="#"><u>S. 2980</u></a> <a href="#"><u>Clean Water Standards for PFAS Act of 2019</u></a>	To require the promulgation of certain standards for perfluoroalkyl and polyfluoroalkyl substances under the Federal Water Pollution Control Act, and for other purposes.	Introduced by Sen. Kirsten Gillibrand (D-NY) – December 4, 2019	
<a href="#"><u>H.R. 5302</u></a> <a href="#"><u>Western Water Recycling and Drought Relief Act</u></a>	To amend the Reclamation Wastewater and Groundwater Study and Facilities Act to authorize certain recycled water projects, and for other purposes.	Introduced by Rep. Jerry McNerney (D-CA) – December 4, 2019	
<a href="#"><u>H.R. 5303</u></a> <a href="#"><u>California Central Coast Conservation Act</u></a>	To establish a moratorium on oil and gas leasing on public land on the Central Coast of California.	Introduced by Rep. Jimmy Panetta (D-CA) – December 4, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R. 5316</a> <a href="#">Move Water Now Act</a>	To provide for the restoration of the original carrying capacity of canals impacted by land subsidence, and for other purposes.	Introduced by Rep. TJ Cox (D-CA) – December 5, 2019  Ordered to be Reported – February 12, 2020	
<a href="#">H.R. 5347</a> <a href="#">Disadvantaged Community Drinking Water Assistance Act</a>	To require the Secretary of the Interior to establish a grant program to close gaps in access to safe drinking water in disadvantaged communities, and for other purposes.	Introduced by Rep. TJ Cox (D-CA) – December 6, 2019  Ordered to be Reported (Amended) – February 12, 2020	
<a href="#">H.R. 5361</a> <a href="#">Safe Drinking Water Assistance Act of 2019</a>	To improve and coordinate interagency Federal actions and provide assistance to States for responding to public health challenges posed by emerging contaminants, and for other purposes.	Introduced by Rep. Lisa Blunt Rochester (D-DE) – December 9, 2019	
<a href="#">S. 3044</a> <a href="#">Western Tribal Water Infrastructure Act of 2019</a>	To amend the America's Water Infrastructure Act of 2018 to expand the Indian reservation drinking water program, and for other purposes.	Introduced by Sen. Ron Wyden (D-OR) – December 12, 2019  Ordered to be reported with an amendment – July 29, 2020	
<a href="#">S. 3046</a> <a href="#">Wastewater Efficiency and Treatment Act of 2019</a>	To amend the Energy Policy Act of 2005 to establish a program to provide grants and loan guarantees to improve the energy efficiency of publicly owned wastewater treatment facilities, and for other purposes.	Introduced by Sen. Jeff Merkley (D-OR) – December 12, 2019	



LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 3051</a> <a href="#">America's</a> <a href="#">Conservation</a> <a href="#">Enhancement Act</a>	To improve protections for wildlife, and for other purposes.	<p>Introduced by John Barrasso (R-WY) – December 12, 2019</p> <p>Sen. Barrasso filed written report – July 1, 2020</p>	
<a href="#">H.R. 5430</a> <a href="#">United States-</a> <a href="#">Mexico-Canada</a> <a href="#">Agreement</a> <a href="#">Implementation Act</a>	To implement the Agreement between the United States of America, the United Mexican States, and Canada attached as an Annex to the Protocol Replacing the North American Free Trade Agreement.	<p>Introduced by Rep. Steny Hoyer (D-MD) December 13, 2019</p> <p>Became Public Law No: 116-113 – January 29, 2020</p>	
<a href="#">S. 3052</a> <a href="#">United States-</a> <a href="#">Mexico-Canada</a> <a href="#">Agreement</a> <a href="#">Implementation Act</a>	To implement the Agreement between the United States of America, the United Mexican States, and Canada attached as an Annex to the Protocol Replacing the North American Free Trade Agreement.	Introduced by Sen. Chuck Grassley (R-IA) – December 16, 2019	
<a href="#">H.R. 5435</a> <a href="#">American Public</a> <a href="#">Lands and Waters</a> <a href="#">Climate Solution Act</a> <a href="#">of 2019</a>	To require the Secretary of the Interior and the Chief of the United States Forest Service to meet certain targets for the reduction of the emission of greenhouse gases, and for other purposes.	<p>Introduced by Rep. Raul Grijalva (D-AZ) – December 16, 2019</p> <p>Committee on Natural Resources hearing – February 26, 2020</p>	
<a href="#">H.R. 5445</a> <a href="#">Critical</a> <a href="#">Infrastructure Act of</a> <a href="#">2019</a>	To amend the Endangered Species Act of 1973 to encourage the construction of critical infrastructure, and for other purposes.	Introduced by Rep. Chris Stewart (R-UT) – December 17, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 3082</a> <a href="#">LEVEE Act</a>	To establish a program to establish permanent features for flood control in areas in which temporary features have been constructed, and for other purposes.	Introduced by Sen. Kirsten Gillibrand (D-NY) – December 18, 2019	
<a href="#">H.R.5513</a> <a href="#">Affordable Safe Drinking Water Act of 2019</a>	To amend the Federal Water Pollution Control Act and the Safe Drinking Water Act to modify the payment periods of loans from State revolving funds under those Acts, and for other purposes.	Introduced by Rep. Joseph Kennedy (D-MA) – December 20, 2019	
<a href="#">H.R. 5504</a> <a href="#">To amend the National Dam Safety Program Act with respect to the definition of eligible high hazard potential dam, and for other purposes</a>	To amend the National Dam Safety Program Act with respect to the definition of eligible high hazard potential dam, and for other purposes.	Introduced by Rep. Julia Brownley (D-CA) – December 19, 2019	
<a href="#">H.R.5539</a> <a href="#">Clean Water Standards for PFAS Act of 2020</a>	To require the Administrator of the Environmental Protection Agency to review and develop effluent standards, pretreatment standards, and water quality criteria for PFAS under the Federal Water Pollution Control Act, to provide Federal grants to publicly owned treatment works to implement standards, and for other purposes.	Introduced by Rep. Chris Pappas (D-NH) – January 3, 2020	
<a href="#">H.R. 5540</a> <a href="#">PFAS Transparency Act</a>	To require, pursuant to the Federal Water Pollution Control Act, disclosure of the introduction of perfluoroalkyl or polyfluoroalkyl substances into treatment works, and for other purposes.	Introduced by Rep. Antonio Delgado (D-NY) – January 3, 2020	
<a href="#">S. 3160</a> <a href="#">Affordable Safe Drinking Water Act of 2020</a>	To amend the Federal Water Pollution Control Act and the Safe Drinking Water Act to modify the payment periods of loans from State revolving funds under those Acts, and for other purposes.	Introduced by Sen. Elizabeth Warren (D-MA) – January 8, 2020	
<a href="#">S. 3171</a> <a href="#">Protect and Restore America's Estuaries Act</a>	To amend the Federal Water Pollution Control Act to reauthorize the National Estuary Program, and for other purposes.	Introduced by Se. Whitehouse (D-RI) – January 9, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 3176</a> <a href="#">United States-Israel Security Assistance Authorization Act of 2020</a>	To amend the Foreign Assistance Act of 1961 and the United States-Israel Strategic Partnership Act of 2014 to make improvements to certain defense and security assistance provisions and to authorize the appropriations of funds to Israel, and for other purposes.	Introduced by Sen. Marco Rubio (R-FL) – January 9, 2020  Placed on Senate Legislation Calendar – June 3, 2020	
<a href="#">H.R. 5579</a> <a href="#">LIST Act of 2020</a>	To amend the Endangered Species Act of 1973 to provide for improved precision in the listing, delisting, and downlisting of endangered species and potentially endangered species.	Introduced by Rep. Greg Gianforte (R-MT) – January 10, 2020	
<a href="#">H.R. 5580</a> <a href="#">Bring ESA Into the 21st Century Act</a>	To codify certain rules issued by the Secretary of the Interior and the Secretary of Commerce relating to endangered species and threatened species, and for other purposes.	Introduced by Rep. Paul Gosar (R-AZ) – January 10, 2020	
<a href="#">H.R. 5588</a> <a href="#">WHOLE Act of 2020</a>	To amend the Endangered Species Act of 1973 to provide for consideration of the totality of conservation measures in determining the impact of proposed Federal agency action.	Introduced by Rep. Dan Newhouse (R-WA) – January 13, 2020	
<a href="#">H.R. 5585</a> <a href="#">Listing Reform Act</a>	To amend the Endangered Species Act of 1973 to require review of the economic cost of adding a species to the list of endangered species or threatened species, and for other purposes.	Introduced by Rep. Pete Olson (R-TX) – January 13, 2020	
<a href="#">H.R. 5591</a> <a href="#">Critical Habitat Improvement Act</a>	To amend the Endangered Species Act of 1973 to add requirements to the designation of areas as critical habitats, and for other purposes.	Introduced by Rep. Mike Johnson (R-LA) – January 13, 2020	
<a href="#">H.R. 5594</a> <a href="#">EMPOWERS Act of 2020</a>	To provide for greater county and State consultation with regard to petitions under the Endangered Species Act of 1973, and for other purposes.	Introduced by Rep. Jason Smith (R-MO) – January 13, 2020	
<a href="#">H.R. 5595</a> <a href="#">Israel Anti-Boycott Act</a>	To impose additional prohibitions relating to foreign boycotts under Export Control Reform Act of 2018, and for other purposes.	Introduced by Rep. Lee Zeldin (R-NY) – January 13, 2020	
<a href="#">H.R. 5601</a> <a href="#">Property Rights Protection Act of 2020</a>	To protect private property rights, and for other purposes.	Introduced by Rep. Ralph Norman (R-SC) – January 14, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.Res. 797</u></a> <a href="#"><u>Encouraging the Environmental Protection Agency to maintain and strengthen requirements under the Clean Water Act and reverse ongoing administrative actions to weaken this landmark law and protections for United States waters</u></a>	<p>Encouraging the Environmental Protection Agency to maintain and strengthen requirements under the Clean Water Act and reverse ongoing administrative actions to weaken this landmark law and protections for United States waters.</p>	<p>Introduced by Rep. Debbie Dingell (D-MI) – January 14, 2020</p>	
<a href="#"><u>H.R. 5598</u></a> <a href="#"><u>Boundary Waters Wilderness Protection and Pollution Prevention Act</u></a>	<p>To provide for the protection of the Boundary Waters Canoe Area Wilderness and interconnected Federal lands and waters, including Voyageurs National Park, within the Rainy River Watershed in the State of Minnesota, and for other purposes.</p>	<p>Introduced by Rep. Betty McCollum (D-MN) – January 14, 2020</p> <p>Subcommittee on Energy and Mineral Resources hearing – February 5, 2020</p>	
<a href="#"><u>H.R. 5606</u></a> <a href="#"><u>Desert National Wildlife Refuge and Nevada Test and Training Range Withdrawal and Management Act</u></a>	<p>To extend the withdrawal and reservation of certain public land in the State of Nevada for the continued use of the Nevada test and training range, to designate certain land in the Desert National Wildlife Refuge as wilderness, and for other purposes.</p>	<p>Introduced by Rep. Steven Horsford (D-NV) – January 15, 2020</p>	
<a href="#"><u>H.R. 5615</u></a> <a href="#"><u>TREES Act</u></a>	<p>To establish a grant program to assist retail power providers with the establishment and operation of energy conservation programs using targeted residential tree-planting programs, and for other purposes.</p>	<p>Introduced by Rep. Doris Matsui (D-CA)–January 15, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 3208</a> <a href="#">Regulatory</a> <a href="#">Accountability Act</a>	To improve agency rulemaking, and for other purposes.	Introduced by Sen. Rob Portman (R-OH) – January 16, 2020	
<a href="#">H.R. 5638</a> <a href="#">American</a> <a href="#">Sovereignty and</a> <a href="#">Species Protection</a> <a href="#">Act</a>	To amend the Endangered Species Act to prevent a species that is not native to the United States from being listed as an endangered species or a threatened species, to prohibit certain types of financial assistance, and for other purposes.	Introduced by Rep. Andy Biggs (R-AZ) - January 16, 2020	
<a href="#">S. 3211</a> <a href="#">Clean Water</a> <a href="#">Allotment</a> <a href="#">Modernization Act</a>	To amend the Federal Water Pollution Control Act to modify certain allotments under that Act, and for other purposes.	Introduced by Sen. Marco Rubio (R-FL) – January 16, 2020	
<a href="#">H.R. 5628</a> <a href="#">Clean Water</a> <a href="#">Allotment</a> <a href="#">Modernization Act</a>	To amend the Federal Water Pollution Control Act to modify certain allotments under that Act, and for other purposes.	Introduced by Rep. Michael Waltz (R-FL) – January 17, 2020	
<a href="#">H.R. 5636</a> <a href="#">Transparency in</a> <a href="#">Energy Production</a> <a href="#">Act of 2020</a>	To provide for the accurate reporting of fossil fuel extraction and emissions by entities with leases on public land, and for other purposes.	<p>Introduced by Rep. Alan Lowenthal (D-CA) – January 16, 2020</p> <p>Subcommittee on Energy and Mineral Resources hearing – January 28, 2020</p>	
<a href="#">H.R.5650</a> <a href="#">Federal Energy and</a> <a href="#">Water Management</a> <a href="#">Performance Act of</a> <a href="#">2020</a>	To amend the National Energy Conservation Policy Act to improve Federal energy and water performance requirements for Federal buildings and establish a Federal Energy Management Program.	Introduced by Rep. Peter Welch (D-VT) – January 16, 2020	
<a href="#">H.R.5653</a> <a href="#">Green Federal Fleet</a> <a href="#">Act</a>	To prohibit Federal agencies from purchasing or leasing new vehicles that are not zero-emission vehicles, and for other purposes.	Introduced by Rep. Julia Brownley (D-CA) – January 17, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S. 3221</a> <a href="#">Farm System Reform Act of 2019</a>	To place a moratorium on large concentrated animal feeding operations, to strengthen the Packers and Stockyards Act, 1921, to require country of origin labeling on beef, pork, and dairy products, and for other purposes.	Introduced by Sen. Cory Booker (D-NJ) – January 21, 2020	
<a href="#">H. Res. 835</a> <a href="#">Expressing the sense of the House of Representatives that the Federal Government should establish a national goal of conserving at least 30 percent of the land and ocean of the United States by 2030</a>	Expressing the sense of the House of Representatives that the Federal Government should establish a national goal of conserving at least 30 percent of the land and ocean of the United States by 2030.	Introduced by Rep. Debra Haaland (D-NM) – February 6, 2020	
<a href="#">H.R. 5832</a> <a href="#">SHORE Act</a>	To direct the Secretary of the Army and the Director of the Office of Management and Budget to issue regulations and submit a report to Congress on cost-benefit ratios, and for other purposes.	Introduced by Rep. John Katko (R-NY) – February 10, 2020	
<a href="#">S. 3274</a> <a href="#">Decentralized Wastewater Grant Act of 2020</a>	To amend the Federal Water Pollution Control Act to establish a decentralized wastewater grant program, and for other purposes.	Introduced by Sen. Cory Booker (D-NJ) – February 11, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.Con.Res. 89</u></a> <a href="#"><u>Encouraging the Trump Administration to maintain protections under the National Environmental Policy Act and reverse ongoing administrative actions to weaken this landmark law and its protections for American communities</u></a>	<p>Encouraging the Trump Administration to maintain protections under the National Environmental Policy Act and reverse ongoing administrative actions to weaken this landmark law and its protections for American communities.</p>	<p>Introduced by Rep. Debbie Dingell (D-MI) – February 11, 2020</p>	
<a href="#"><u>S.3288</u></a> <a href="#"><u>PUBLIC Lands Act</u></a>	<p>To provide for the protection of and investment in certain Federal land in the State of California, and for other purposes.</p>	<p>Introduced by Sen. Kamala Harris (D-CA) – February 12, 2020</p>	
<a href="#"><u>H.R. 5856</u></a> <a href="#"><u>Decentralized Wastewater Grant Act of 2020</u></a>	<p>To amend the Federal Water Pollution Control Act to establish a decentralized wastewater grant program, and for other purposes.</p>	<p>Introduced by Rep. Terri Sewell (D-AL) – February 11, 2020</p>	
<a href="#"><u>H.R. 5868</u></a> <a href="#"><u>RELIEF ACT</u></a>	<p>To amend the Act of August 18, 1941 (commonly known as the Flood Control Act of 1941), to allow a non-Federal sponsor to carry out certain work, to provide for reimbursement of costs to complete such work, and for other purposes.</p>	<p>Introduced by Rep. Jeff Fortenberry (R-NE) – February 13, 2020</p>	
<a href="#"><u>H.R. 5902</u></a> <a href="#"><u>Plastics Act of 2020</u></a>	<p>To establish a microplastics pilot program, and for other purposes.</p>	<p>Introduced by Rep. Brian Mast (R-FL) – February 14, 2020</p>	
<a href="#"><u>H.R.5986</u></a> <a href="#"><u>Environmental Justice For All Act</u></a>	<p>To restore, reaffirm, and reconcile environmental justice and civil rights, provide for the establishment of the Interagency Working Group on Environmental Justice Compliance and Enforcement, and for other purposes.</p>	<p>Introduced by Rep. Raul Grijalva (D-AZ) – February 27, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.6000</u></a> <a href="#"><u>To reauthorize a pilot program to evaluate the effectiveness of certain water-related feasibility studies carried out by non-Federal interests.</u></a>	<p>To reauthorize a pilot program to evaluate the effectiveness of certain water-related feasibility studies carried out by non-Federal interests.</p>	<p>Introduced by Rep. Mike Johnson (R-LA) – February 27, 2020</p>	
<a href="#"><u>H.R.6112</u></a> <a href="#"><u>Oil and Water Don't Mix Act of 2020</u></a>	<p>To require operators of oil and gas production facilities to take certain measures to protect drinking water, and for other purposes.</p>	<p>Introduced by Rep. Jared Huffman (D-CA) – March 5, 2020</p>	
<a href="#"><u>H.R.6113</u></a> <a href="#"><u>ARPA-H2O Act of 2020</u></a>	<p>To establish an Advanced Research Projects Agency–Water, and for other purposes.</p>	<p>Introduced by Rep. John Katko (R-NY) – March 5, 2020</p>	
<a href="#"><u>S.3418</u></a> <a href="#"><u>STORM Act</u></a>	<p>To amend the Robert T. Stafford Disaster Relief and Emergency Assistance Act to allow the Administrator of the Federal Emergency Management Agency to provide capitalization grants to States to establish revolving funds to provide hazard mitigation assistance to reduce risks from disasters and natural hazards, and other related environmental harm.</p>	<p>Introduced by Sen. Gary Peters (D-MI) – March 11, 2020</p> <p>Placed on Senate Legislative Calendar – August 10, 2020</p>	
<a href="#"><u>H.R.6185</u></a> <a href="#"><u>Save Our Springs Act of 2020</u></a>	<p>To amend the Internal Revenue Code of 1986 to impose an excise tax on the extraction of certain water for bottling, and for other purposes.</p>	<p>Introduced by Rep. Debbie Wasserman Schultz (D-FL) – March 10, 2020</p>	
<a href="#"><u>S. 3422</u></a> <a href="#"><u>Great American Outdoors Act</u></a>	<p>To amend title 54, United States Code, to establish, fund, and provide for the use of amounts in a National Parks and Public Land Legacy Restoration Fund to address the maintenance backlog of the National Park Service, the United States Fish and Wildlife Service, the Bureau of Land Management, the Forest Service, and the Bureau of Indian Education, and to provide permanent, dedicated funding for the Land and Water Conservation Fund, and for other purposes.</p>	<p>Introduced by Sen. Cory Gardner (R-CO) – March 10, 2020</p> <p>Placed on Senate Legislative Calendar – March 11, 2020</p>	



LEGISLATION	SUMMARY	STATUS	POSITION
<p><a href="#"><u>S.Res.537</u></a>  <a href="#"><u>A resolution encouraging the Trump Administration to maintain protections under the National Environmental Policy Act and reverse ongoing administrative actions to weaken this landmark law and its protections for American communities</u></a></p>	<p>Encouraging the Trump Administration to maintain protections under the National Environmental Policy Act and reverse ongoing administrative actions to weaken this landmark law and its protections for American communities.</p>	<p>Introduced by Sen. Thomas Carter (D-DE) – March 10, 2020</p>	
<p><a href="#"><u>H.R.6169</u></a>  <a href="#"><u>To require the Secretary of the Interior, the Secretary of Agriculture, and the Assistant Secretary of the Army for Civil Works to digitize and make publicly available geographic information system mapping data relating to public access to Federal land and waters for outdoor recreation, and for other purposes</u></a></p>	<p>To require the Secretary of the Interior, the Secretary of Agriculture, and the Assistant Secretary of the Army for Civil Works to digitize and make publicly available geographic information system mapping data relating to public access to Federal land and waters for outdoor recreation, and for other purposes.</p>	<p>Introduced by Rep. Russ Fulcher (D-ID) – March 10, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S.3480</a> <a href="#">PFAS Testing and Treatment Act of 2020</a>	To amend the Safe Drinking Water Act and the Federal Water Pollution Control Act to authorize additional assistance to address pollution from perfluoroalkyl and polyfluoroalkyl substances and other emerging contaminants, and for other purposes.	Introduced by Sen. Jeanne Shaheen (D-NH) – March 12, 2020	
<a href="#">H.R.6395</a> <a href="#">William M. (Mac) Thornberry National Defense Authorization Act for Fiscal Year 2021</a>	To authorize appropriations for fiscal year 2021 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes.	Introduced by Rep. Adam Smith (D-WA) – March 26, 2020  Passed in the House – July 21, 2020	
<a href="#">H.R.6422</a> <a href="#">National Infrastructure Bank Act of 2020</a>	To facilitate efficient investments and financing of infrastructure projects and new job creation through the establishment of a National Infrastructure Bank, and for other purposes.	Introduced by Danny Davis (D-IL) – March 31, 2020	
<a href="#">H.R.6552</a> <a href="#">Emergency Water is a Human Right Act</a>	To prohibit water shutoffs during the COVID–19 emergency period, provide drinking and waste water assistance to households, and for other purposes.	Introduced by Rep. Rashida Tlaib (D-MI) – April 17, 2020	
<a href="#">H.R.6617</a> <a href="#">Western Water Storage Infrastructure Act</a>	To support surface and groundwater storage and supporting projects in Reclamation States, and for other purposes.	Introduced by Rep. TJ Cox (D-CA) – April 29, 2020	
<a href="#">H.R.6631</a> <a href="#">Essential Worker Protection Act of 2020</a>	To direct the Secretary of Labor to establish an interagency task force on worker protection from COVID–19, and for other purposes.	Introduced by Rep. Haley Stevens (D-MI) – April 28, 2020	
<a href="#">S.3590</a> <a href="#">Drinking Water Infrastructure Act of 2020</a>	To amend the Safe Drinking Water Act to reauthorize certain provisions, and for other purposes.	Introduced by Sen. John Barrasso (R-WY) – May 4, 2020  Placed on Senate Legislative Calendar – May 11, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S.3591</u></a> <a href="#"><u>America's Water Infrastructure Act of 2020</u></a>	To provide for improvements to the rivers and harbors of the United States, to provide for the conservation and development of water and related resources, to provide for water pollution control activities, and for other purposes.	Introduced by Sen. John Barrasso (R-WY) – May 4, 2020  Placed on Senate Legislative Calendar – May 11, 2020	
<a href="#"><u>S.3621</u></a> <a href="#"><u>Made in America Water Infrastructure Act of 2020</u></a>	A bill to amend the Safe Drinking Water Act to remove limitations on the required use of American iron and steel products in projects carried out using State revolving loan funds, and for other purposes.	Introduced by Sen. Tammy Baldwin (D-WI) – May 6, 2020	
<a href="#"><u>H.R.6745</u></a> <a href="#"><u>Clean Water for All Act</u></a>	To prohibit implementation of a rule defining “waters of the United States” under the Federal Water Pollution Control Act, and for other purposes.	Introduced by Rep. Peter DeFazio (D-OR) – May 11, 2020	
<a href="#"><u>H.R.6898</u></a> <a href="#"><u>IMAGINE Act</u></a>	To encourage the research and use of innovative materials and associated techniques in the construction and preservation of the domestic transportation and water infrastructure system, and for other purposes.	Introduced by Rep. David Cicilline (D-RI) – May 18, 2020	
<a href="#"><u>H.R.6922</u></a> <a href="#"><u>BASE Protection Act</u></a>	To require the Corps of Engineers to expedite review of applications for certain flood control projects near military installations, and for other purposes.	Introduced by Rep. Don Bacon (R-NE) – May 20, 2020	
<a href="#"><u>S. 3811</u></a> <a href="#"><u>Restoration of Essential Conveyance Act</u></a>	To provide financial assistance for projects to address certain subsidence impacts in the State of California, and for other purposes.	Introduced by Sen. Dianne Feinstein (D-CA) – May 21, 2020  Subcommittee on Water and Power hearing held – July 22, 2020	
<a href="#"><u>H.R.7092</u></a> <a href="#"><u>Great American Outdoors Act</u></a>	To amend title 54, United States Code, to establish, fund, and provide for the use of amounts in a National Parks and Public Land Legacy Restoration Fund to address the maintenance backlog of the National Park Service, the United States Fish and Wildlife Service, the Bureau of Land Management, the Forest Service, and the Bureau of Indian Education, and to provide permanent, dedicated funding for the Land and Water Conservation Fund, and for other purposes.	Introduced by Rep. Joe Cunningham (D-SC) – June 4, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.7095</u></a> <a href="#"><u>INVEST in America Act</u></a>	To authorize funds for Federal-aid highways, highway safety programs, and transit programs, and for other purposes.	Introduced by Rep. Peter DeFazio (D-OR) – June 4, 2020	
<a href="#"><u>H.R.2</u></a> <a href="#"><u>Moving Forward Act</u></a>	To authorize funds for Federal-aid highways, highway safety programs, and transit programs, and for other purposes.	Introduced by Rep. Peter DeFazio (D-OR) – June 11, 2020  Passed in the House – July 1, 2020	
<a href="#"><u>H.R.7231</u></a> <a href="#"><u>Infrastructure Bank for America Act of 2020</u></a>	To establish the Infrastructure Bank for America as a corporation to serve as a lender for and investor in infrastructure projects, and for other purposes.	Introduced by Rep. Daniel Webster (R-FL) – June 15 2020	
<a href="#"><u>H.R.7243</u></a> <a href="#"><u>Identifying PFAS at Water Infrastructure Sites Act</u></a>	To require the Secretary of the Army, acting through the Chief of Engineers, to develop an inventory and carry out research with respect to PFAS, and for other purposes.	Introduced by Rep. Antonio Delgado (D-NY) – June 18, 2020	
<a href="#"><u>H.R.7280</u></a> <a href="#"><u>To amend the Internal Revenue Code of 1986 to provide an exclusion from gross income for certain wastewater management subsidies</u></a>	To amend the Internal Revenue Code of 1986 to provide an exclusion from gross income for certain wastewater management subsidies.	Introduced by Rep. Thomas Suozzi (D-NY) - June 18, 2020	
<a href="#"><u>S. 4049</u></a> <a href="#"><u>National Defense Authorization Act for Fiscal Year 2021</u></a>	To authorize appropriations for fiscal year 2021 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes.	Introduced by Sen. James Inhofe (R-OK) - June 23, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S.4188</a> <a href="#">Waters for Tomorrow Act</a>	To provide for drought preparedness and improved water supply reliability, and for other purposes.	Introduced by Sen. Kamala Harris (D-CA) – July 2, 2020  Subcommittee on Water and Power hearing held – July 22, 2020	
<a href="#">S.4189</a> <a href="#">Water for Conservation and Farming Act</a>	To provide for drought preparedness and improved water supply reliability.	Introduced by Sen. Ron Wyden (D-OR) – July 2, 2020  Subcommittee on Water and Power hearing held – July 22, 2020	
<a href="#">S.4206</a> <a href="#">A bill to amend the Water Infrastructure Finance and Innovation Act of 2014 to authorize the interest rate to be used on a secured loan to be the interest rate for United States Treasury securities of a similar maturity on the date of first disbursement of the loan, and for other purposes.</a>	To amend the Water Infrastructure Finance and Innovation Act of 2014 to authorize the interest rate to be used on a secured loan to be the interest rate for United States Treasury securities of a similar maturity on the date of first disbursement of the loan, and for other purposes.	Introduced by Sen. Jeff Merkley (D-OR) – July 2, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S.4308</u></a> <a href="#"><u>Special Districts</u></a> <a href="#"><u>Provide Essential</u></a> <a href="#"><u>Services Act</u></a>	To amend the Social Security Act to include special districts in the coronavirus relief fund, to direct the Secretary to include special districts as an eligible issuer under the Municipal Liquidity Facility, and for other purposes.	Introduced by Sen. Kyrsten Sinema (D-AZ) – July 23, 2020	
<a href="#"><u>H.R.7575</u></a> <a href="#"><u>Water Resources</u></a> <a href="#"><u>Development Act of</u></a> <a href="#"><u>2020</u></a>	To provide for improvements to the rivers and harbors of the United States, to provide for the conservation and development of water and related resources, and for other purposes.	Introduced by Rep. Peter DeFazio (D-OR) – July 13, 2020  Passed in the House, Received in the Senate - July 30, 2020	
<a href="#"><u>H.R.7608</u></a> <a href="#"><u>State, Foreign</u></a> <a href="#"><u>Operations,</u></a> <a href="#"><u>Agriculture, Rural</u></a> <a href="#"><u>Development,</u></a> <a href="#"><u>Interior,</u></a> <a href="#"><u>Environment,</u></a> <a href="#"><u>Military</u></a> <a href="#"><u>Construction, and</u></a> <a href="#"><u>Veterans Affairs</u></a> <a href="#"><u>Appropriations Act,</u></a> <a href="#"><u>2021</u></a>	Making appropriations for the Department of State, foreign operations, and related programs for the fiscal year ending September 30, 2021, and for other purposes.	Introduced by Rep. Nita Lowery (D-NY) – July 13, 2020  Passed in the House, Received in the Senate – July 30, 2020	
<a href="#"><u>H.R.7610</u></a> <a href="#"><u>Agriculture, Rural</u></a> <a href="#"><u>Development, Food</u></a> <a href="#"><u>and Drug</u></a> <a href="#"><u>Administration, and</u></a> <a href="#"><u>Related Agencies</u></a> <a href="#"><u>Appropriations Act,</u></a> <a href="#"><u>2021</u></a>	Making appropriations for Agriculture, Rural Development, Food and Drug Administration, and Related Agencies programs for the fiscal year ending September 30, 2021, and for other purposes.	Introduced by Rep. Sanford Bishop (D-GA) – July 13, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.7612</u></a> <a href="#"><u>Department of the Interior, Environment, and Related Agencies Appropriations Act, 2021</u></a>	Making appropriations for the Department of the Interior, environment, and related agencies for the fiscal year ending September 30, 2021, and for other purposes.	Introduced by Rep. Betty McCollum (D-MN) – July 14, 2020	
<a href="#"><u>H.R.7613</u></a> <a href="#"><u>Energy and Water Development and Related Agencies Appropriations Act, 2021</u></a>	Making appropriations for energy and water development and related agencies for the fiscal year ending September 30, 2021, and for other purposes.	Introduced by Rep. Marcy Kaptur (D-OH) – July 15, 2020  Placed on the Union Calendar – July 15, 2020	
<a href="#"><u>S. 4336</u></a> <a href="#"><u>RESILIENT Act</u></a>	To provide for the improvement of rural infrastructure in the United States, and for other purposes.	Introduced by Sen. Michael Bennet (D-CO) – July 28, 2020	
<a href="#"><u>S.4352</u></a> <a href="#"><u>Border Water Quality Restoration and Protection Act of 2020</u></a>	To provide for the water quality restoration of the Tijuana River and the New River, and for other purposes.	Introduced by Sen. Dianne Feinstein (D-CA) – July 29, 2020	
<a href="#"><u>S.4362</u></a> <a href="#"><u>Emergency Water and Energy is a Human Right Act</u></a>	To prohibit water and power shutoffs during the COVID–19 emergency period, provide drinking and wastewater assistance to households, and for other purposes.	Introduced by Sen. Jeff Merkley (D-OR) – July 29, 2020	
<a href="#"><u>S.4401</u></a> <a href="#"><u>Environmental Justice For All Act</u></a>	To restore, reaffirm, and reconcile environmental justice and civil rights, provide for the establishment of the Interagency Working Group on Environmental Justice Compliance and Enforcement, and for other purposes.	Introduced by Sen. Kamala Harris (D-CA) – August 3, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S.4402</u></a> <a href="#"><u>A bill to amend the Federal Water Pollution Control Act to clarify certain activities that would have been authorized under Nationwide Permit 12 and other Nationwide Permits, and for other purposes</u></a>	<p>To amend the Federal Water Pollution Control Act to clarify certain activities that would have been authorized under Nationwide Permit 12 and other Nationwide Permits, and for other purposes.</p>	<p>Introduced by Sen. John Cornyn (R-TX) – August 3, 2020</p>	
<a href="#"><u>S.4431</u></a> <a href="#"><u>Emergency Wildfire and Public Safety Act of 2020</u></a>	<p>To increase wildfire preparedness and response throughout the United States, and for other purposes.</p>	<p>Introduced by Sen. Dianne Feinstein (D-CA) – August 4, 2020</p> <p>Energy and Natural Resources Subcommittee on Public Lands, Forests, and Mining hearing held – September 16, 2020</p>	
<a href="#"><u>H.R.7991</u></a> <a href="#"><u>Border Water Quality Restoration and Protection Act of 2020</u></a>	<p>To provide for the water quality restoration of the Tijuana River and the New River, and for other purposes.</p>	<p>Introduced by Rep. Juan Vargas (D-CA) – August 7, 2020</p>	
<a href="#"><u>H.R.8166</u></a> <a href="#"><u>Western Water Storage Infrastructure Act</u></a>	<p>To support surface and groundwater storage and supporting projects in Reclamation States, and for other purposes.</p>	<p>Introduced by Rep. TJ Cox (D-CA) – September 4, 2020</p>	



LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.8217</u></a> <a href="#"><u>WIFIA Improvement Act of 2020</u></a>	To amend the Water Infrastructure Finance and Innovation Act of 2014 with respect to the final maturity date of certain loans, and for other purposes.	Introduced by Rep. John Garamendi (D-CA) – September 11, 2020	
<a href="#"><u>H.R.8292</u></a> <a href="#"><u>FUELS Act</u></a>	To amend the Water Resources Reform and Development Act of 2014 with respect to the application of the Spill Prevention, Control, and Countermeasure rule to certain farms, and for other purposes	Introduced by Rep. Eric Crawford (R-AR) – September 17, 2020	
<a href="#"><u>H.R.8337</u></a> <a href="#"><u>Continuing Appropriations Act, 2021 and Other Extensions Act</u></a>	Making continuing appropriations for fiscal year 2021, and for other purposes.	Introduced by Rep. Nita Lowey (D-NY) – September 22, 2020  Became Public Law No: 166-159 – October 1, 2020	
<a href="#"><u>S.4664</u></a> <a href="#"><u>A bill to amend the Internal Revenue Code of 1986 to provide an exclusion from gross income for certain waste water management subsidies</u></a>	To amend the Internal Revenue Code of 1986 to provide an exclusion from gross income for certain waste water management subsidies.	Introduced by Sen. Kirsten Gillibrand (D-NY) – September 23, 2020	
<a href="#"><u>S.4681</u></a> <a href="#"><u>Plastic Pellet Free Waters Act</u></a>	To require the Administrator of the Environmental Protection Agency to promulgate certain limitations with respect to pre-production plastic pellet pollution, and for other purposes.	Introduced by Sen. Tom Udall (D-NM) – September 24, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<p><b><a href="#">S.Res.714</a></b>  <a href="#">A resolution encouraging the Administrator of the Environmental Protection Agency to maintain and strengthen requirements under the Clean Water Act and reverse ongoing administrative actions to weaken the Clean Water Act and protections for waters of the United States</a></p>	<p>Encouraging the Administrator of the Environmental Protection Agency to maintain and strengthen requirements under the Clean Water Act and reverse ongoing administrative actions to weaken the Clean Water Act and protections for waters of the United States.</p>	<p>Introduced by Sen. Tammy Duckworth (D-IL) – September 23, 2020</p>	
<p><b>H.R.8605</b>  To authorize the Secretary of Health and Human Services, in consultation with the Administrator of the Environmental Protection Agency to award grants to certain entities to conduct research on, or to establish, wastewater surveillance and other early warning systems, and for other purposes</p>	<p><i>Text is not yet available</i></p>	<p>Introduced by Rep. Andy Kim (D-NJ) – October 16, 2020</p>	

## COVID-19 RELIEF LEGISLATION

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.6074</u></a> <a href="#"><u>Coronavirus</u></a> <a href="#"><u>Preparedness and</u></a> <a href="#"><u>Response</u></a> <a href="#"><u>Supplemental</u></a> <a href="#"><u>Appropriations Act,</u></a> <a href="#"><u>2020</u></a>	Making emergency supplemental appropriations for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Rep. Nita Lowey (D-NY) – March 4, 2020  Became Public Law No: 116-123 – March 6, 2020	
<a href="#"><u>S.3415</u></a> <a href="#"><u>Paid Sick Days for</u></a> <a href="#"><u>Public Health</u></a> <a href="#"><u>Emergencies and</u></a> <a href="#"><u>Personal and Family</u></a> <a href="#"><u>Care Act</u></a>	To allow Americans to earn paid sick time so that they can address their own health needs and the health needs of their families.	Introduced by Sen. Patty Murray (D-WA) – March 5, 2020	
<a href="#"><u>H.R.6201</u></a> <a href="#"><u>Families First</u></a> <a href="#"><u>Coronavirus</u></a> <a href="#"><u>Response Act</u></a>	Making emergency supplemental appropriations for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Rep. Nita Lowey (D-NY) – March 11, 2020  Became Public Law No: 116-127 – March 18, 2020	
<a href="#"><u>H.R.6198</u></a> <a href="#"><u>Emergency Paid</u></a> <a href="#"><u>Leave Act of 2020</u></a>	To provide emergency paid leave benefits to certain individuals affected by COVID-19, and for other purposes.	Introduced by Rep. Stephanie Murphy (D-FL) – Introduced March 11, 2020	
<a href="#"><u>H.R.6150</u></a> <a href="#"><u>Paid Sick Days for</u></a> <a href="#"><u>Public Health</u></a> <a href="#"><u>Emergencies and</u></a> <a href="#"><u>Personal and Family</u></a> <a href="#"><u>Care Act</u></a>	To allow Americans to earn paid sick time so that they can address their own health needs and the health needs of their families.	Introduced by Rep. Rosa DeLauro (D-CT) – March 9, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.6220</u></a> <a href="#"><u>Emergency Family and Medical Leave Expansion Act</u></a>	To amend the Family and Medical Leave Act of 1993 to provide for leave with respect to a public health emergency, and for other purposes.	Introduced by Rep. Robert Scott (D-VA) - March 12, 2020	
<a href="#"><u>S.3476</u></a> <a href="#"><u>Coronavirus Worker Relief Act</u></a>	To provide for unemployment benefits to workers affected by the 2019 Novel Coronavirus.	Introduced by Sen. Gary Peters (D-MI) - March 12, 2020	
<a href="#"><u>S.3548</u></a> <a href="#"><u>CARES Act</u></a>	To provide emergency assistance and health care response for individuals, families, and businesses affected by the 2020 coronavirus pandemic.	Introduced by Sen. Mitch McConnell (R-KY) – March 19, 2020  Committee on Small Business and Entrepreneurship hearing held – June 3, 2020	
<a href="#"><u>H.R.6321</u></a> <a href="#"><u>Financial Protections and Assistance for America's Consumers, States, Businesses, and Vulnerable Populations Act</u></a>	To provide financial protections and assistance for America’s consumers, States, businesses, and vulnerable populations during the COVID-19 emergency and to recover from the emergency.	Introduced by Rep. Maxine Waters (D-CA) – March 23, 2020	
<a href="#"><u>H.R.6328</u></a> <a href="#"><u>Emergency Relief for State, Territorial and Local Governments Act of 2020</u></a>	To authorize Federal reserve banks to purchase COVID–19 related municipal issuances, and for other purposes.	Introduced by Rep. Rashida Tlaib (D-MI) – March 23, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.6379</u></a> <a href="#"><u>Take Responsibility for Workers and Families Act</u></a>	Making emergency supplemental appropriations for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Rep. Nita Lowery (D-NY) – March 23, 2020	
<a href="#"><u>H.R. 6361</u></a> <a href="#"><u>Relief for Small Businesses and Nonprofits Act</u></a>	To provide loan and obligation payment relief for small businesses and nonprofits affected by the COVID–19 emergency, and for other purposes.	Introduced by Rep. Ed Perlmutter (D-CO) – March 23, 2020	
<a href="#"><u>S.3584</u></a> <a href="#"><u>COVID-19 Workers First Protection Act of 2020</u></a>	To direct the Secretary of Labor to issue an emergency temporary standard that requires certain employers to develop and implement a comprehensive infectious disease exposure control plan to protect employees in the health care sectors and other employees at elevated risk from exposure to SARS–CoV–2, and for other purposes.	Introduced by Sen. Tammy Baldwin (D-WI) – March 25, 2020	
<a href="#"><u>H.R. 6402</u></a> <a href="#"><u>COVID-19 Workforce Emergency Response Act</u></a>	To provide State and local workforce systems flexibility and financial support to respond to the COVID–19 national emergency.	Introduced by Rep. Andy Levin (D-MI) – March 26, 2020	
<a href="#"><u>H.R.748</u></a> <a href="#"><u>CARES Act</u></a>	To amend the Internal Revenue Code of 1986 to repeal the excise tax on high cost employer-sponsored health coverage.	Introduced by Rep. Joe Courtney (D-CT) – March 27, 2020  Became Public Law No: 116-136 – March 27, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u><b>H.R.6410</b></u></a> <a href="#"><u>To direct the President to use authority under the Defense Production Act of 1950 to ensure an adequate supply of equipment necessary for limiting the spread of COVID-19.</u></a>	<p>To direct the President to use authority under the Defense Production Act of 1950 to ensure an adequate supply of equipment necessary for limiting the spread of COVID-19.</p>	<p>Introduced by Rep. John Larson (D-CT) – March 27, 2020</p>	
<a href="#"><u><b>H.R.6423</b></u></a> <a href="#"><u>To provide for a temporary debt collection moratorium during the COVID-19 emergency period, and for other purposes.</u></a>	<p>To provide for a temporary debt collection moratorium during the COVID-19 emergency period, and for other purposes.</p>	<p>Introduced by Rep. Al Lawson (D-FL) – March 31, 2020</p>	
<a href="#"><u><b>H.R.6431</b></u></a> <a href="#"><u>Made in America Emergency Preparedness Act</u></a>	<p>To require the creation of a national commission to prepare for future national emergencies, and for other purposes.</p>	<p>Introduced by Rep. Brian Fitzpatrick (R-PA) – April 3, 2020</p>	
<a href="#"><u><b>H.R.6472</b></u></a> <a href="#"><u>COVID-19 Price Gouging Prevention Act</u></a>	<p>To prohibit price gouging in connection with the public health emergency resulting from COVID–19, and for other purposes.</p>	<p>Introduced by Rep. Janice Schakowsky (D-IL) – April 7, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.6460</u></a> <a href="#"><u>To provide funding for needed child and adult care so that essential workers can report to work during the COVID-19 pandemic.</u></a>	<p>To provide funding for needed child and adult care so that essential workers can report to work during the COVID-19 pandemic.</p>	<p>Introduced by Rep. Danny Davis (D-IL) – April 7, 2020</p>	
<a href="#"><u>H.R.6525</u></a> <a href="#"><u>Reopen America Act of 2020</u></a>	<p>To provide the necessary Federal financial and logistical support so States can reopen their economies once periods of isolation have sufficiently reduced coronavirus infection and transmission rates, and with adequate testing and other safeguards to ensure infection rates do not exceed medical resources, and virus transmission rates are maintained below 1 and thereby steadily reduce the number of infected, and for other purposes.</p>	<p>Introduced by Rep. Jamie Raskin (D-MD) – April 17, 2020</p>	
<a href="#"><u>H.R. 6552</u></a> <a href="#"><u>Emergency Water is Human Right Act</u></a>	<p>To prohibit water shutoffs during the COVID–19 emergency period, provide drinking and waste water assistance to households, and for other purposes.</p>	<p>Introduced by Rep. Rashida Tlaib (D-MI) – April 17, 2020</p>	
<a href="#"><u>H.R.6559</u></a> <a href="#"><u>COVID-19 Every Worker Protection Act of 2020</u></a>	<p>To require the Occupational Safety and Health Administration to promulgate an emergency temporary standard to protect employees from occupational exposure to SARS–CoV–2, and for other purposes.</p>	<p>Introduced by Rep. Robert Scott (D-VA) – April 21, 2020</p>	
<a href="#"><u>H.R. 266</u></a> <a href="#"><u>Paycheck Protection Program and Health Care Enhancement Act</u></a>	<p>Making appropriations for the Department of the Interior, environment, and related agencies for the fiscal year ending September 30, 2019, and for other purposes.</p>	<p>Introduced by Rep. Betty McCollum (D-MN) – April 24, 2020</p> <p>Became Public Law No: 116-139 – April 24, 2020</p>	
<a href="#"><u>H.R. 6631</u></a> <a href="#"><u>Essential Worker Protection Act of 2020</u></a>	<p>To direct the Secretary of Labor to establish an interagency task force on worker protection from COVID–19, and for other purposes.</p>	<p>Introduced by Rep. Haley Stevens (D-MI) – April 28, 2020</p>	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R.6652</a> <a href="#">Flexibility for Localities and Eligibility Expansion Act of 2020</a>	To amend title VI of the Social Security Act to expand the permissible use of funds under the Coronavirus Relief Fund.	Introduced by Rep. Don Bacon (R-NE) – May 1, 2020	
<a href="#">H.R. 6653</a> <a href="#">MASKS ON Act</a>	To require the Director of the Centers for Disease Control and Prevention to carry out a national public outreach campaign regarding the proper use of personal protective equipment to minimize personal risk of exposure to, and risk of spreading, the virus that causes COVID–19, and for other purposes.	Introduced by Rep. Daniel Lipinski (D-IL) – May 1, 2020	
<a href="#">H.R.6699</a> <a href="#">Opportunities for Heroes Act of 2020</a>	To establish a commission to determine essential employment during the COVID-19 crisis period and provide loan repayment and education credit to workers employed in such essential employment during such crisis, and for other purposes.	Introduced by Rep. Ann Kuster (D-NH) – May 5, 2020	
<a href="#">H.R.6705</a> <a href="#">Coronavirus State and Local Financial Assistance Act</a>	To require the Secretary of the Treasury to establish a State and Local Government Coronavirus Relief Program to make grants to States to make up for lost revenue due to COVID-19 and social distancing steps taken by the State and political subdivisions of the State, and for other purposes.	Introduced by Rep. Cynthia Axne (D-IA) – May 5, 2020	
<a href="#">S.3627</a> <a href="#">Medical Supply Transparency and Delivery Act</a>	A bill to provide for the expedited and transparent procurement and distribution of equipment and supplies needed to combat COVID-19.	Introduced by Sen. Tammy Badlwin (D-WI) – May 6, 2020	
<a href="#">S.3671</a> <a href="#">State &amp; Local Emergency Stabilization Fund Act of 2020</a>	To amend title VI of the Social Security Act to provide additional funding for States, Tribal governments, and local communities due to the Coronavirus Disease 2019 (COVID–19) public health emergency, and for other purposes.	Introduced by Rep. Jack Reed (D-RI) – May 7, 2020	
<a href="#">H.R. 6748</a> <a href="#">Direct Support for Communities Act</a>	To provide funding for cities, counties, and other units of general local government to prevent, prepare for, and respond to coronavirus.	Introduced by Rep. Antonio Delgado (D-NY) – May 8, 2020	



LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.6760</u></a> <a href="#"><u>Fair Housing Further Enforcement Emergency Act of 2020</u></a>	To authorize assistance for fair housing enforcement activities to respond to the COVID-19 pandemic, and for other purposes.	Introduced by Rep. Al Green (D-TX) – May 8, 2020	
<a href="#"><u>S.3672</u></a> <a href="#"><u>Pandemic TANF Assistance Act</u></a>	To provide States and Indian Tribes with flexibility in administering the temporary assistance for needy families program due to the public health emergency with respect to the Coronavirus Disease (COVID–19), to make emergency grants to States and Indian Tribes to provide financial support for low-income individuals affected by that public health emergency, and for other purposes.	Introduced by Sen. Ron Wyden (D-OR) – May 11, 2020	
<a href="#"><u>S.3682</u></a> <a href="#"><u>A bill to provide States, Tribal governments, and local governments with spending discretion for part of their Coronavirus Relief Fund payment</u></a>	To provide States, Tribal governments, and local governments with spending discretion for part of their Coronavirus Relief Fund payment.	Introduced by Sen. Mike Rounds (R-SD) – May 11, 2020	
<a href="#"><u>S.3685</u></a> <a href="#"><u>Emergency Rental Assistance and Rental Market Stabilization Act of 2020</u></a>	To provide emergency rental assistance under the Emergency Solutions Grants program of the Secretary of Housing and Urban Development in response to the public health emergency resulting from the coronavirus, and for other purposes.	Introduced by Sen. Sherrod Brown (D-OH) – May 12, 2020	
<a href="#"><u>H.R.6800</u></a> <a href="#"><u>The Heroes Act</u></a>	Making emergency supplemental appropriations for the fiscal year ending September 30, 2020, and for other purposes.	Introduced by Rep. Nita Lowey (D-NY) – May 12, 2020  Placed on Senate Legislative Calendar – May 21, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.6820</u></a> <a href="#"><u>Emergency Rental Assistance and Rental Market Stabilization Act of 2020</u></a>	To provide emergency rental assistance under the Emergency Solutions Grants program of the Secretary of Housing and Urban Development in response to the public health emergency resulting from the coronavirus, and for other purposes.	Introduced by Rep. Denny Heck (D-WA) – May 12, 2020	
<a href="#"><u>S.3728</u></a> <a href="#"><u>Critical Infrastructure Employee Protection Act of 2020</u></a>	To require the Secretary of Transportation to support the efforts of State and local governments to provide for priority testing of essential critical infrastructure workers with respect to the Coronavirus Disease 2019 (COVID–19), and for other purposes.	Introduced by Sen. Roger Wicker (R-MS) – May 13, 2020	
<a href="#"><u>S.3767</u></a> <a href="#"><u>SMART Act</u></a>	To amend title VI of the Social Security Act to establish a Coronavirus Local Community Stabilization Fund.	Introduced by Sen. Steve Daines (R-MT) – May 19, 2020	
<a href="#"><u>H.R.6918</u></a> <a href="#"><u>Paycheck Recovery Act of 2020</u></a>	To direct the Secretary of the Treasury to establish a grant program for employers adversely affected by COVID–19, and for other purposes.	Introduced by Rep. Pramilla Jayapal (D-WA) – May 19, 2020	
<a href="#"><u>H.R.6954</u></a> <a href="#"><u>SMART Act</u></a>	To amend title VI of the Social Security Act to establish a Coronavirus Local Community Stabilization Fund	Introduced by Rep. Mikie Sherrill (D-NJ) – May 19, 2020	
<a href="#"><u>S.3830</u></a> <a href="#"><u>United States Pandemic Relief Bonds Act of 2020</u></a>	To amend title 31, United States Code, to authorize the issuance of United States Pandemic Bonds to aid in the funding of relief efforts related to coronavirus disease 2019 (COVID–19).	Introduced by Sen. Dan Sullivan (D-AK) – May 21, 2019	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">S.3833</a> <a href="#">Paycheck Protection Program Extension Act</a>	To extend the loan forgiveness period for the paycheck protection program, and for other purposes.	Introduced by Sen. Marco Rubio (R-FL) – May 21, 2020  Placed on Senate Legislative Calendar – June 1, 2020	
<a href="#">H.R. 6973</a> <a href="#">PPE Act</a>	To amend the paycheck protection program of the Small Business Administration to include costs related to the provision of personal protective equipment as an allowable use of a covered loan, and for other purposes.	Introduced by Rep. Abby Filkenauer (D-IA) – May 22, 2020	
<a href="#">H.R.6981</a> <a href="#">PPP DEAL Act</a>	To extend the covered period for loan forgiveness and the rehiring period under the CARES Act, and for other purposes.	Introduced by Rep. Connor Lamb (D-PA) - May 22, 2020	
<a href="#">H.R.7010</a> <a href="#">Paycheck Protection Program Flexibility Act of 2020</a>	To amend the Small Business Act and the CARES Act to modify certain provisions related to the forgiveness of loans under the paycheck protection program, to allow recipients of loan forgiveness under the paycheck protection program to defer payroll taxes, and for other purposes.	Introduced by Rep. Dean Phillips (D-MN) – May 26, 2020  Became Public Law No: 116-142 – June 5, 2020	
<a href="#">H.R.7065</a> <a href="#">To require States to certify a process for distributing Coronavirus Relief Funds to local governments</a>	To require States to certify a process for distributing Coronavirus Relief Funds to local governments.	Introduced by Rep. Kevin Brady (R-TX) – June 1, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>H.R.7073</u></a> <a href="#"><u>Special Districts</u></a> <a href="#"><u>Provide Essential</u></a> <a href="#"><u>Services Act</u></a>	To amend the Social Security Act to include special districts in the coronavirus relief fund, to direct the Secretary to include special districts as an eligible issuer under the Municipal Liquidity Facility, and for other purposes.	Introduced by Rep. John Garamendi (D-CA) – June 1, 2020	<i>Support</i>
<a href="#"><u>H.R.7090</u></a> <a href="#"><u>Coronavirus County</u></a> <a href="#"><u>Relief and Stability</u></a> <a href="#"><u>Act</u></a>	To amend title VI of the Social Security Act to establish the Coronavirus County Relief Fund, and for other purposes.	Introduced Rep. Paul Cook (R-CA) – June 4 2020	
<a href="#"><u>H.R.7094</u></a> <a href="#"><u>Flexibility for States</u></a> <a href="#"><u>and Localities Act</u></a>	To amend title VI of the Social Security Act to expand the permissible use of funds under the Coronavirus Relief Fund.	Introduced by Rep. Warren Davidson (R-OH) – June 4, 2020	
<a href="#"><u>S.4125</u></a> <a href="#"><u>Paycheck Protection</u></a> <a href="#"><u>Program Extension</u></a> <a href="#"><u>and Modification</u></a> <a href="#"><u>Act of 2020</u></a>	To extend the paycheck protection program and to provide supplemental loans to recipients of loans under the paycheck protection program, and for other purposes.	Introduced by Sen. Cory Gardner (R-CO) – July 1, 2020	
<a href="#"><u>H.R.7985</u></a> <a href="#"><u>Emergency</u></a> <a href="#"><u>Assistance for Rural</u></a> <a href="#"><u>Water Systems Act</u></a>	To provide for assistance to rural water and waste disposal systems affected by the COVID–19 pandemic, and for other purposes.	Introduced by Rep. David Rouzer (R-NC) – August 7, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#">H.R.8266</a> <a href="#">FEMA Assistance Relief Act of 2020</a>	To modify the Federal cost share of certain emergency assistance provided under the Robert T. Stafford Disaster Relief and Emergency Assistance Act, to modify the activities eligible for assistance under the emergency declaration issued by the President on March 13, 2020 relating to COVID-19, and for other purposes.	Introduced by Rep. Peter DeFazio (D-OR) – September 16, 2020  Ordered to be Reported (Amended) by Voice Vote – September 30, 2020	
<a href="#">S.4633</a> <a href="#">Emergency Assistance for Rural Water Systems Act of 2020</a>	To provide for assistance to rural water, wastewater, and waste disposal systems affected by the COVID–19 pandemic, and for other purposes.	Introduced by Sen. Jeanne Shaheen (D-NH) – September 21, 2020	
<a href="#">H.R. 8406</a> <a href="#">The Heroes Act</a>	Making emergency supplemental appropriations for the fiscal year ending September 30, 2021, and for other purposes.	Introduced by Rep. Nita Lowey (D-NY) – September 29, 2020	
<a href="#">S.4775</a> <a href="#">Delivering Immediate Relief to America's Families, Schools and Small Businesses Act</a>	To provide continued emergency assistance, educational support, and health care response for individuals, families, and businesses affected by the 2020 coronavirus pandemic	Introduced by Sen. Mitch McConnell (R-KY) – October 1, 2020	

LEGISLATION	SUMMARY	STATUS	POSITION
<a href="#"><u>S.4773</u></a> <a href="#"><u>Continuing the Paycheck Protection Program Act</u></a>	To establish the Paycheck Protection Program Second Draw Loan, and for other purposes.	Introduced by Sen. Susan Collins (R-ME) – October 1, 2020	
<b>H.R.8474</b> To provide for a Community-Based Emergency and Non-Emergency Response Grant Program	<i>Text is not yet available.</i>	Introduced by Rep. Karen Bass (D-CA) – October 1, 2020	
<b>H.R.8504</b> To extend the Payroll Support Program, and for other purposes	<i>Text is not yet available.</i>	Introduced by Rep. Peter DeFazio (D-OR) – October 2, 2020	



November 3, 2020 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Finance & Administration

**Subject : Wasteful Recycled Water Use Penalties: Adoption**

**SUMMARY:**

On August 11, 2015, the Board approved wasteful water use penalties for potable water customers who exceeded their budgets by 200%. At that time, the District did not impose similar penalties for wasteful water use by recycled water customers. However, with the development of the Pure Water Project Las Virgenes-Triunfo, the District seeks to promote the efficient use of recycled water to maximize the volume of source water available for project. On September 5, 2015, the JPA Board adopted the attached *Policy Principles for Management of the JPA's Recycled Water System*. Policy Principle No. 3 provides that recycled water is a valuable resource to be conserved, similar to potable water. Over the past year, approximately 566 acre-feet of recycled water has been wastefully consumed (more than 200% of the customers' water budgets). Staff recommends the adoption of wasteful recycled water use penalties, similar to those for potable water, to discourage the wasteful use of recycled water.

**RECOMMENDATION(S):**

Pass, approve and adopt proposed Resolution No. 2583, finding that wasteful recycled water use is a violation of the District's rules and regulations and subject to escalating administrative penalties.

**RESOLUTION NO. 2583**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF LAS VIRGENES MUNICIPAL WATER DISTRICT AMENDING RESOLUTION NO. 2468 (ADMINISTRATIVE CODE) AS IT RELATES TO PENALTIES AND ENFORCEMENT THEREOF FOR WASTEFUL RECYCLED WATER USE**

(Reference is hereby made to Resolution No. 2583 on file in the District's Resolution Book, and by this reference the same is incorporated herein.)

**FISCAL IMPACT:**

Yes

**ITEM BUDGETED:**

No

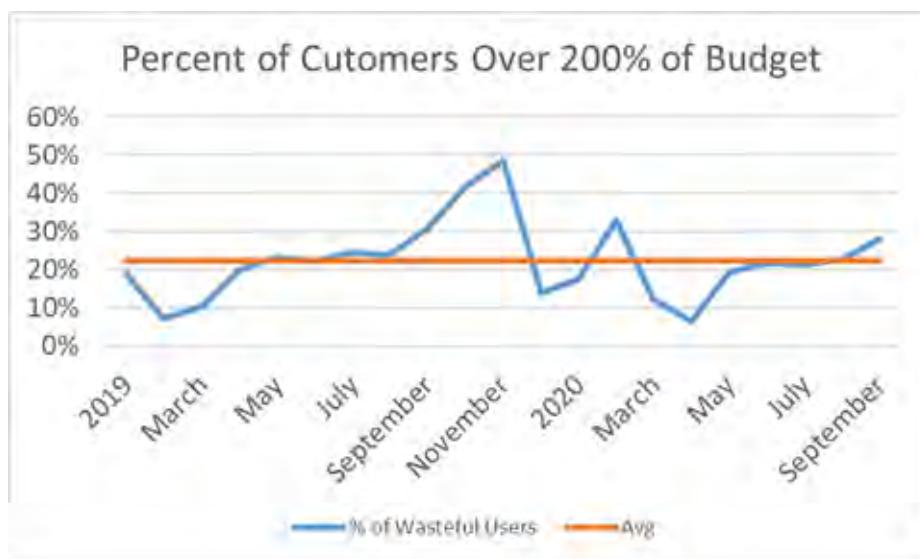
**FINANCIAL IMPACT:**

The administrative penalties may result in a temporary increase in revenue; however, it is the District's intent to minimize the need for penalties. The amount of revenue generated will be dependent on the success of the penalties in achieving the objective of reducing or eliminating wasteful recycled water use.

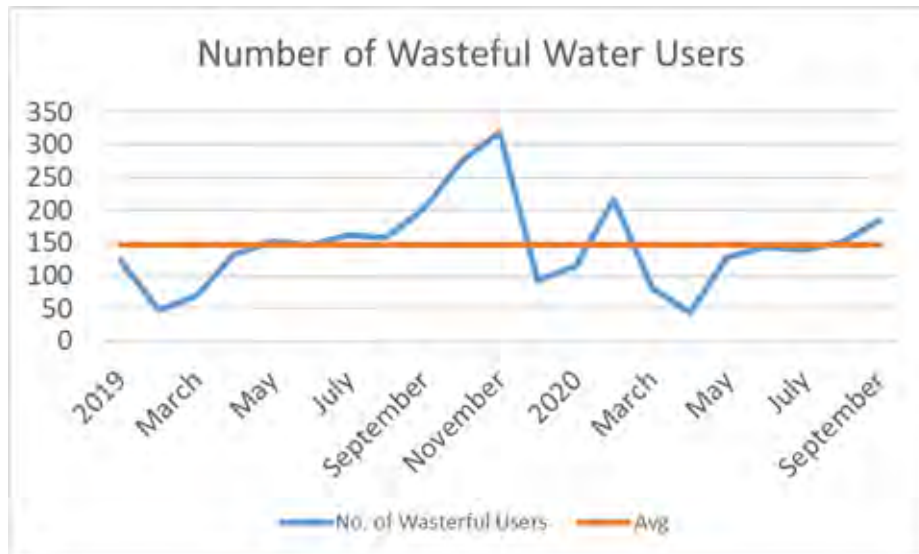
**DISCUSSION:**

Water is a scarce resource that requires active management to ensure adequate supplies. Recent droughts and climate change have highlighted the need to develop additional water sources of supply and to ensure that current resources are fully utilized. Through the Las Virgenes-Triunfo Joint Powers Authority, the District is developing the Pure Water Project Las Virgenes-Triunfo. As part of the project, a new 6-MGD advanced water treatment plan will purify available recycled water to meet drinking water standards.

The efficient use of recycled water by the District's current customers will maximize the amount of recycled water that will be available for purification by the Pure Water Project Las Virgenes-Triunfo. Since January 2019, approximately 22% of recycled water customers exceeded their budgets by 200% on average, correlating to 147 customers with wasteful recycled water use each month. As shown in the charts below, the pattern of wasteful recycled water use is consistent with that found for the potable system; the highest percentage of wasteful recycled water use occurs during the fall.







On August 11, 2015, the Board approved wasteful water use penalties for potable water customers who exceeded their budgets by 200%. At that time, the District did not impose similar penalties for wasteful water use by recycled water customers. However, with the development of the Pure Water Project Las Virgenes-Triunfo, the District seeks to promote the efficient use of recycled water to maximize the volume of source water available for project. On September 5, 2015, the JPA Board adopted *Policy Principles for Management of the JPA's Recycled Water System*. Policy Principle No. 3 provides that recycled water is a valuable resource to be conserved, similar to potable water. Over the past year, approximately 566 acre-feet of recycled water has been wastefully consumed (more than 200% of the customers' water budgets). Staff recommends the adoption of wasteful recycled water use penalties, similar to those for potable water, to discourage the wasteful use of recycled water.

The proposed penalties would match those for the potable water system, as follows:

- 1st offense – a written warning.
- 2nd offense – a penalty of \$2.50 per unit of water used in excess of twice the customer's water budget.
- 3rd or more offense – a penalty of \$5.00 per unit of water used in excess of twice the customer's water budget.

#### Proposed Outreach:

Staff proposes that the penalties for wasteful use of recycled water become effective on January 1, 2021. During the months of November and December, all recycled water customers would be notified of the new penalties and provided with information on outdoor water use efficiency measures to avoid wasteful water use that would be subject to the penalties. Additionally, the first penalty would be a written warning, so no fines would be imposed prior to February 2021.

#### Due Process for Customers:

Customers who receive penalties, including the written warning, would have an opportunity to appeal within 15 days of receiving notice of the penalty and may opt to defer payment of the disputed amount pending a decision on the appeal. Appeals may be granted, waiving the

penalty, if the excessive water is caused by: (1) a failure of the District's water system or a billing error; (2) the water was needed for a health or safety reason; or (3) if a leak occurred on the property during the billing cycle.

**GOALS:**

Lead in Sanitation and Recycled Water Services Focusing on Maximum Reuse

Prepared by: Donald Patterson, Director of Finance and Administration

**ATTACHMENTS:**

Policy Principles for Management of the JPA's Recycled Water System

Resolution 2583 - Wasteful Water Use Penalties

## POLICY PRINCIPLES FOR MANAGEMENT OF THE JPA'S RECYCLED WATER SYSTEM

Adopted by JPA Board on September 5, 2015

The Pure Water Project Las Virgenes-Triunfo will enable the JPA to purify excess recycled water produced by the Tapia Water Reclamation Facility to augment the drinking water supplies of its member agencies, Las Virgenes Municipal Water District and Triunfo Sanitation District. For many years, the disposal of excess recycled water has posed a major challenge to the JPA due to increasingly stringent regulatory requirements for discharges to Malibu Creek. With implementation of the Pure Water Project Las Virgenes-Triunfo, the JPA will nearly eliminate the need to dispose of its excess recycled water and produce a new source of local, drought-resilient drinking water supplies for its member agencies.

Given the JPA's plans to develop a valuable asset from its excess recycled water, the following new policy principles are warranted for management of the JPA's recycled water system:

1. The JPA will strive to beneficially reuse all of its recycled water within the combined service area of its member agencies.
2. The JPA will not enter into long-term agreements for the sale or transfer of recycled water outside the combined service area of its member agencies without first evaluating opportunities for its use within the combined service area.
3. The JPA will consider recycled water a valuable resource to be conserved, similar to potable water.
4. The JPA will continue to supply recycled water to its member agencies such that they can maintain the current level-of-service to their existing customers.
5. The JPA will strive to maximize available water for the Pure Water Project Las Virgenes-Triunfo by considering additional sources, including but not limited to dry-weather urban runoff, storm water, groundwater and wastewater.

#####

**RESOLUTION NO. 2583**

**A RESOLUTION OF THE BOARD OF DIRECTORS  
OF LAS VIRGENES MUNICIPAL WATER DISTRICT  
AMENDING RESOLUTION NO. 2468 (ADMINISTRATIVE  
CODE) AS IT RELATES TO PENALTIES AND ENFORCEMENT  
THEREOF FOR WASTEFUL RECYCLED WATER USE**

**Section 1. Purpose.**

This resolution amends Resolution No. 2468 (Administrative Code) regarding penalties, and the enforcement thereof, for wasteful recycled water use, and adopts the revised Las Virgenes Municipal Water District Code Title 4, Chapter 4, Sections 4-4.203 and 4-4.205.

**Section 2. Amendment.**

Section 4-4.203 of Resolution No. 2468 (Administrative Code) is amended and reenacted as follows:

**“4-4.203 PENALTIES FOR WASTEFUL WATER USE**

- (a) No customer shall knowingly permit waste or leaks of water. Where water is wastefully or negligently used on the customer’s premises, the District may discontinue the service, if such conditions are not corrected within five days after the General Manager gives the customer written notice.
- (b) A water budget shall be established for each customer of the District, and customers shall be notified of the basis for calculating their water budgets. Water use exceeding twice a customer’s water budget is a waste of water, a violation of the District’s rules and regulations, and shall be subject to escalating administrative penalties.
- (c) For the first penalty, the customer shall receive a written warning from the District including the amount of the exceedance, the penalty that would have been levied absent the provision of a warning and notice that further exceedances will result in monetary penalties as described herein.
- (d) For the second penalty, the amount shall be as set forth in set forth in Section 7-1.112(b) of this Code. The customer shall also receive a written warning from the District showing the amount of the penalty that will be levied on the same quantity of water in the event of a third exceedance.

(e) For the third penalty, and for each subsequent penalty that a customer receives for a property, the amount shall be as set forth in set forth in Section 7-1.112(c) of this Code.

(f) Penalties shall be collected on the customer's water bill. Any penalties shall be the responsibility of the customer of record for the property where the violation occurred and shall be paid in addition to the fees the District imposes for the cost of water service to the property. Non-payment of penalties imposed pursuant to this section shall be subject to the same remedies as available to the District for the non-payment of fees for water service. The receipt of a water bill with any applicable penalties shall serve as notice of violation.

(g) Penalties, including the written warning, may be appealed. A customer who wishes to appeal the imposition of a penalty shall: (1) pay all amounts stated on the bill except for the disputed penalties; and (2) submit a completed Appeal Request Form to the District within 15 calendar days of the date of the appellant's water bill for the billing cycle in which the penalty was imposed.

(h) An appeal will be granted if the District finds that competent evidence supports a reasonable conclusion that: (1) the excessive water use was the result of a malfunction of the District's water system or a billing error by the District; (2) the water was needed for health or safety reasons; or (3) a leak occurred on the property during the subject billing cycle.

(i) The District will respond to appeals within 30 calendar days of receipt. The District may require additional documentation prior to making a decision on an appeal. In the event an appeal is denied, the appellant shall pay the District within 10 days of denial of the appeal."

### **Section 3. Amendment.**

Title 4, Chapter 4, Article 2 of Resolution No. 2468 (Administrative Code) is amended to add the following section:

#### **"4-4.205 ENFORCEMENT**

(a) Customers shall be notified in writing when the first violation of this article is discovered by the District. The notice shall include a warning that further violations could result in stricter penalties as set forth below.

(b) Customers who violate this article for a second time within a twelve-month period have committed an infraction punishable by a fine set forth in Section 7-1.113(a) of this Code.

(c) Customers who violate this article for a third time within a twelve-month period have committed an infraction punishable by a fine set forth in set forth in Section 7-1.113(b) of this Code.

(d) Customers who violate this article for a fourth time within a twelve- month period have committed an infraction punishable by a fine set forth in set forth in Section 7-1.113(c)of this Code.

(e) The District may install flow restrictors or terminate service to customers who have violated provisions of this article five times within a twelve-month period.

(f) Customers shall be encouraged to report violations of this article through the District's water conservation "hot line."

(g) Fines collected pursuant to this section shall be deposited in a special fund to promote water conservation.

(h) Customers may appeal enforcement fines to the General Manager.

**Section 4. Other.**

These provisions shall be effective starting January 1, 2021. Except as provided herein, Resolution No. 2468 (Administrative Code) is hereby reaffirmed and readopted.

**PASSED, APPROVED AND ADOPTED** on \_\_\_\_\_, 2020.

\_\_\_\_\_  
Jay Lewitt, President

ATTEST

\_\_\_\_\_  
Charles Caspary, Secretary

APPROVED AS TO FORM:

\_\_\_\_\_  
Keith Lemieux, District Counsel

(SEAL)



November 3, 2020 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Engineering and External Affairs

**Subject : Policy for Repair or Replacement of Failed Backflow Prevention Devices:  
Approval**

**SUMMARY:**

The District is required to inspect and test backflow prevention devices at least once a year per Los Angeles County and state regulations. If a device fails inspection or testing, the connection can pose a risk of contamination of the public water system through backflow or backsiphonage. As a result, the faulty device must be repaired or replaced in a timely manner at the expense of the customer per Section 4-4.303 of the Las Virgenes Municipal Water District Code. The customer is allowed 30 days to make the repair and submit proof to the District. In the past, if the repairs were not completed within 30 days, the District would disconnect the water service until the repair was completed. However, due to the COVID-19 pandemic and Governor Gavin Newsom's Executive Order N-42-20, the District has temporarily refrained from disconnecting water service to customers with a failed annual backflow prevention device inspection or test. Alternatively, staff recommends approval of a new policy (copy attached) that provides for the District to repair or replace a faulty backflow prevention device at the customer's expense when the customer does not address the problem within 30 day of notification.

**RECOMMENDATION(S):**

Approve a Policy for the Repair or Replacement of Failed Backflow Prevention Devices.

**FISCAL IMPACT:**

No

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**



There is no financial impact to the District because the policy will recover the cost of service provided to the customer.

**DISCUSSION:**

Current regulations require that the District routinely inspect and maintain all backflow prevention devices at designated water service connections. Inspections and testing are necessary to ensure the devices are functioning properly and to prevent backflow or backsiphonage events that could potentially compromise water quality in the distribution system. Properly functioning backflow prevention devices are critical for the protection of the public's health and safety.

Following is an excerpt from the Las Virgenes Municipal Water District Code that pertains to backflow prevention devices:

*4-4.303 INSPECTION OF PROTECTIVE DEVICES*

*The District shall inspect backflow prevention devices at least once a year, or more often in those instances where successive inspections indicate repeated failure. All inspections and testing shall be performed by a tester certified by the local health department. These devices shall be repaired, overhauled, or replaced at the expense of the water user whenever they are found to be defective. Records of all such tests, repairs and overhauls shall be maintained by a list and made available to the local health department. Nothing contained herein shall relieve a potable water customer from the duty to install and maintain backflow prevention devices under Title 3 of this Code.*

Governor Newsom's Executive Order N-42-20 has been in effect since March 4, 2020. The Executive Order was issued in response to the COVID-19 pandemic and prohibits water agencies from shutting off residential water services for non-payment and commercial water services that may be deemed to provide an essential service. During this time, the District and other water agencies throughout the State have been reluctant or unable to disconnect water service for accounts with faulty backflow prevention devices. Staff has notified customers of devices that have failed inspection and testing and provided the requisite 30 days to repair the device. Despite these efforts, many customers have not followed through with the necessary repairs or submitted the required documentation.

Based on the proposed policy, the District will repair or replace faulty backflow prevention devices for customers who do not perform the required work on their own. After providing proper notice and meeting the conditions described in the proposed policy, the District will have the new option to complete the repair or replacement of the faulty devices in the event that water service cannot be shut off. All costs associated with the repair or replacement of a customer's backflow prevention device, together with a \$25 administrative fee, will be added to the customer's water bill.

**GOALS:**

Provide Safe and Quality Water with Reliable Services

Prepared by: Ursula Bosson, Customer Service Manager

**ATTACHMENTS:**

Policy for the Repair or Replacement of Failed Backflow Prevention Devices



## POLICY FOR THE REPAIR OR REPLACEMENT OF FAILED BACKFLOW PREVENTION DEVICES

**Residential and commercial water services with backflow prevention devices that have not passed inspection and testing, will be subject to repair or replacement by the District at the customer's expense if:**

- A letter was sent notifying the customer that the annual backflow inspection and testing was scheduled to take place on their installed backflow device and the charge for that inspection and testing will be reflected on their water bill;
- The backflow device failed the District's annual inspection and testing;
- A letter was sent notifying the customer of the failed backflow test results, provided detailed information to the customer on repairing the device within 30 days and submitting proof-of-repair documentation to the District;
- A subsequent letter was sent notifying the customer that the failed backflow device was not repaired by the customer within the 30-day time period allowed and that the customer now has 10 days to repair the failed backflow device or the device will be repaired or replaced by the District and all charges will be placed on the customer's water bill along with an administrative fee.
- A door hanger was placed at the subject property at least 2 business days before the repair, notifying the customer that the backflow device will be repaired or replaced and the actual costs will be placed on the customer's water bill along with an administrative fee.



November 3, 2020 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Engineering and External Affairs

---

**Subject : Update to Opt-Out Policy for Advanced Meter Program (AMR/AMI):  
Approval**

---

**SUMMARY:**

The District's Automatic Meter Reading/Advanced Metering Infrastructure (AMR/AMI) Project, or Advanced Meter Program, is underway with the initial Alpha Phase for installation of 100 meters nearing completion and the Beta Phase planning in progress. Prior to implementing the Beta Phase, which consists of installing 2,000 meters starting in January 2021, staff recommends an update the District's existing Opt-Out Policy to update the costs and better align the provisions with the District's objectives for the Advanced Meter Program. The Opt-Out Policy provides an opportunity for customers to avoid the use of an AMR/AMI meter for their service due to concerns such as those related to radio frequencies and/or data security.

**RECOMMENDATION(S):**

Approve an updated Advanced Meter Opt-Out Policy.

**FISCAL IMPACT:**

No

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

There is no financial impact to the District because the policy will recover the cost of service provided to the customer.

**DISCUSSION:**

## Background:

The Advanced Meter Program will assist the District in better managing its water resources by increasing water use efficiency through replacement of outdated meters with new advanced meters. These new meters will transmit automated reads on a near real-time basis. This consistent stream of water-use history can alert both the District and its customers of potential pipe breaks, toilet leaks and broken valves. Additionally, customers will have the ability to manage their monthly bills more efficiently, reduce waste and prevent possible water damage to their properties that can occur due to leaks. It will also help reduce greenhouse gas emissions through reduced vehicle miles and fuel consumption. Traditional meter reading is a labor intensive process performed manually for over 21,000 accounts by the District's Field Customer Service staff and an outside service firm on a monthly basis.

Advanced meters use a Meter Interface Unit (MIU), which is a low-power/low- frequency communication device, to transmit water usage information over a secure network on a near real-time basis. The MIUs are battery-powered and required to meet Federal Communications Commission (FCC) radio frequency limits. Implementing this technology will improve meter reading accuracy, identify potential leaks, eliminate estimated reads, identify potential theft, provide tamper detection, detect reverse flow events, and identify significant periods of zero consumption that can alert customers and the District of a broken meter or potential water quality concerns associated with water stagnation.

## Radio Frequency (RF) Concerns:

Advanced meters work by transmitting information wirelessly. Some people have expressed concerns about the health effects of wireless signals, particularly as they become virtually ubiquitous. These concerns were brought to the attention of many California state legislators who sought the California Council on Science and Technology (CCST) to offer independent, unbiased, expert advice on human exposure to wireless signals and the efficacy of the FCC safety standards and limits for these signals. Following are the key report findings:

- Wireless smart meters, when installed and maintained properly, result in much smaller levels of RF exposure than existing common household electronic devices, particularly cell phones and microwave ovens.
- The current FCC standard provides an adequate factor of safety against known thermally-induced health impacts of existing common household electronic devices and smart meters.

See Attachment A for more information on RF in common household items and smart meters.

## Data Security Concerns:

Some customers have also expressed concerns with the security of data that is transmitted wirelessly from their place of residence. Personal information is not transmitted by the advanced meters. Also, all data that is transmitted strictly relates to water consumption information and is highly encrypted. Only authorized District staff and the customer on the account will be able to access the data.

### Existing Opt-Out Policy:

The Board adopted a policy in May 2012 for the old Datamatic system that allowed residential customers who had concerns associated with the technology to “opt-out” of having an advanced meter installed on their water service. A copy of the existing policy is included as Attachment B. At the time, meters were read bi-monthly, and the opt-out fee was based on the cost for a meter reader to travel out to each residence to manually read the meter every other month.

Single family residential customers were eligible to request manual-read meters even if an advanced meter was already deployed. The change-out fee at the time was \$40.00. The on-going bimonthly cost to manually read the meters was set at \$25.00. The existing policy is outdated and does not reflect current costs and business practices.

### Opt-Out Policies at Other Agencies:

Similar meter transmission units are utilized by Southern California Edison and the Southern California Gas Company. The investor-owned utilities are required by the California Public Utilities Commission (CPUC) to provide opt-out programs. The CPUC is the regulatory body for the private investor-owned utilities. The District is not regulated by the CPUC, and there is no legal requirement that the District offer an opt-out option. However, the District has historically provided an opt-out option for its residential customers.

In preparation for updating the District’s opt-out policy, staff researched water agencies in California implementing similar projects that have opt-out policies in place. With most of these policies, any customer has the option to opt-out, but must make the request in writing and must be the customer on record for the utility billing account. Family members, neighbors or landlords cannot act on behalf of another customer. When a customer opts-out, the advanced meter is replaced with a standard meter that cannot transmit data wirelessly. The monthly fee to opt-out covers the costs to manually read the meter and manually input reads into the billing system on a monthly basis. Fees and conditions vary between agencies and are dependent on a number of factors.

### Proposed Process for Updated Opt-Out Policy:

The Updated Opt-Out Policy being proposed (Attachment C) is for any customer who voluntarily chooses not to have an advanced meter installed. The program allows customers to have their meter read manually every month by District staff. Customers who wish to opt-out will be required to fill out, sign and submit an “Advanced Meter Participation Request and Agreement Form” for review by Customer Service staff. The form must be submitted by the property owner, or with express written permission of the property owner. After a review for completeness by Customer Service staff, a letter will be sent to the customer to indicate the change and explain the opt-out charges that will appear on the customer’s bill. The letter will also include the work order to be issued for staff to remove the advanced meter and replace it with a standard meter.

Following installation, a door hanger will be left at the address to verify the opt-out for the property has commenced and the subsequent bill will reflect the new charges. Program requirements and the “Advanced Meter Participation Request and Agreement Form” will be posted on LVMWD’s website. Staff will review the associated costs and fees for the program on an annual basis and propose any changes to the Board as appropriate.

### Proposed Costs for Opt-Out:

It is important to note that all of the District's water meters will be upgraded, as most existing meters have reached or will soon reach the end of their useful life and require replacement. Customers will not have the option to retain their existing meter. Costs for the Opt-Out Program include removal of the newly-installed MIU register and replacement with a non-transmitting register, together with staff time to manually read the meters on a monthly basis and enter the meter readings into the District's billing system. Customers who are part of the initial advanced meter deployment during both the Beta Phase and full deployment will be provided the opportunity to opt-out prior to the installations to avoid the initial set-up/installation fee.

On-going monthly costs were calculated based on estimates for Customer Service staff time to travel to manually read the meters monthly, and staff time to manually enter the reads into the billing system. District staff researched and estimated costs based on the hours it takes one field staff member to read two percent of the meters in each of the four billing cycles and the time it takes billing staff to manually enter the reads into the billing system. Labor costs included fully burdened rates of the appropriate job classification performing the work. The calculated fees also account for vehicle wear and tear, insurance, maintenance and fuel. These values added up to a total monthly meter reading cost of slightly more than \$25 per meter. This amount will be billed to each customer who opts-out to recover the costs associated with manually reading the meter. The monthly charge would be in addition to the customer's regular water bill.

There will also be a one-time meter setup fee of \$150 that includes labor and material costs for the removal of the advanced meter MIU register, antenna, and lid along with the installation of a standard direct-read register and the manual configuration of exchanging meter information into the billing system. Table 1 provided with Attachment D summarizes the cost information.

### Policy Enforcement:

In order for the customer to participate, unimpeded access must be available for the replacement, necessary maintenance, and reading of the meter. If the meter cannot be accessed at the time of reading, an additional meter read fee of \$65 will be charged for each additional attempt to read the meter, with a maximum of two additional return trip fees per billing cycle.

As proposed, any customer with "inefficient" tier usage (150% over their water budget) for a period of three months within the previous 12-month period will not qualify to opt-out. In addition to the one-time meter set-up fee and monthly reading fee, customers who opt-out will no longer be eligible for the District's leak adjustment program. Participants will also forfeit eligibility to participate in conservation and rebate programs offered by the District. If a customer has already opted out under the old Datamatic system, they will need to submit the required form to opt out of the new program if they wish to do so.

If the additional monthly fees for opting-out remain unpaid for two consecutive months, or if a customer is behind on their bill for two months or more, the District will invalidate the "Opt-Out Agreement" and will reinstall an advanced meter MIU register and antenna at the District's expense. Unpaid monthly charges and associated fees will remain due and payable. After

installation, the account will no longer incur additional monthly fees related to the Opt-Out Program. Should the District replace the water meter due to non-payment of meter reading fees, the customer will not be permitted to re-enroll in the Opt-Out Program until all balances due are paid and no sooner than 12 months after the time that the standard meter is replaced with an advanced meter.

Customer Water Efficiency Management:

It is important to note, meters that are only manually read will not have the water usage information uploaded into the District's meter data management system, preventing customers that opt-out from accessing and tracking their hourly consumption data, receiving leak notifications and viewing key customer information through the District's proposed customer portal. This creates missed opportunities for the customer to notice quickly if issue such as a water leak occur. Without hourly water usage data, these types of issues can result in increased costs to the customer, as leaks are often identified one to two months after they have started and when customers receive their bills.

Project Outreach Efforts:

Staff will disseminate information regarding the updated Opt-Out Policy prior to the program becoming available and effective in January 2021. Frequently asked questions (FAQs) on advanced meter radio frequencies are published on LVMWD's website and will be included in on-going project outreach materials. The website also includes links to three different comprehensive reports that provide professional assessments of the potential radio frequency health concerns conducted by the American Cancer Society, California Council on Science and Technology and the World Health Organization. All three conclude there is no evidence that advanced metering radio frequency emissions pose a health risk.

**GOALS:**

Provide Excellent Service That Exceeds Customer Expectations

Support customers to meet water efficiency standards, while recognizing individual concerns related to the deployment of technology.

Prepared by: Craig A. Jones, Management Analyst II

**ATTACHMENTS:**

Attachment A - Comparison of RF Power Density

Attachment B - Opt Out Program Original

Attachment C - Updated Advanced Meter Opt-Out Policy

Attachment D - Table 1: AMI Opt-Out Cost Information



## Comparison of RF Power Density in the Everyday Environment

Device Relative Power Density in microwatts per square centimeter ( $\mu\text{W}/\text{cm}^2$ )

FM radio or TV broadcast station signal	0.005
SmartMeter™ device at 10 feet	0.1
Cyber cafe (Wi-Fi)	10-20
Laptop computer	10-20
Cell phone held up to head	30-10,000
Walkie-Talkie at head	500-42,000
Microwave oven, two inches from door	5,000

Source: Richard Tell Associates, Inc.<sup>3</sup>



## AMI/AMR Meter Opt Out Program

### 1. General

On May 22, 2012, the Las Virgenes Municipal Water District Board adopted an Automatic Meter Reading/Automated Metering Infrastructure (AMR/AMI) opt out resolution for single family residential customers in response to public concerns associated with the technology.

### 2. Opt Out Program Process

Please call Customer Service at (818) 251-2200 to verify the type of meter at your property or for an explanation of the program.

The customer of record must make a request to opt out. There is a one-time charge of \$40.00 to cover the costs of reprogramming the meter. **Additionally, a customer will not be eligible for the Districts leak adjustment program should a leak occur if the customer has an active opt out policy on file.**

Manual reading costs are as follows depending on what type of automated reading device is at the property:

AMI to Radio Off/Manual Read                      Bi-monthly cost: \$25.00

AMR to Radio Off/Manual Read                      Bi-monthly cost: \$ 9.00

An AMR/AMI Opt Out Request Form (attached) must be submitted to the Customer Service Department. The District will schedule the reprogramming of the meter once the Form is received.

Customers can request to change opt out status at any time. The same AMR/AMI Opt Out Request Form (attached) must be submitted to the Customer Service Department.



## AMI/AMR OPT OUT REQUEST FORM

Customer/Account Number \_\_\_\_\_

Name of Applicant \_\_\_\_\_

Water Service  
Address \_\_\_\_\_

Phone/Email \_\_\_\_\_

I request the Las Virgenes Municipal Water District to re-program the automatic meter reading device for the above mentioned property. I understand that by signing this form, that there will be an initial charge of \$40.00 and a bi-monthly charge on each following bill for manual meter reading.

From	To	Bi-monthly Cost	Choice
AMI ( remote/network read)	Radio Off (manual read)	\$25.00	
AMR (remote/field read)	Radio Off (manual read)	\$ 9.00	
Radio Off/Manual Read	AMI/AMR	No Charge	

Signed \_\_\_\_\_ Date \_\_\_\_\_

**Note: A signed form must be received by the District to change the status back to automated meter reading.**

You may submit your form to Las Virgenes Municipal Water Distict by:

Mail or in person at 4232 Las Virgenes Road Calabasas, CA 91302

Fax: (818) 251-2109

E-mail: [customer\\_service@lvmwd.com](mailto:customer_service@lvmwd.com)

## 1. General

The Advanced Meter Program consists of replacing manually-read water meters with "advanced" meters that will automatically relay customer data on water usage to the District's billing system utilizing a system of radio antennas or "fixed network". The project is scheduled to replace over 21,000 water meters in the District's Service Area over a two-year period (2020-2022).

On November 3, 2020, the Las Virgenes Municipal Water District Board authorized the implementation of an updated opt-out policy for water customers in preparation for the installation of advanced meters starting in January 2020.

## 2. Opt-Out Process and Application

Opt-Out participation is for any customer that voluntarily chooses not to have an advanced meter installed. The program allows customers to have their meter read manually once a month by District staff.

**If a customer chooses to opt-out, the following charges will be added to their monthly water bill and special conditions will apply:**

- **An initial, one-time setup fee of \$150 (if an advanced meter already installed);**
- **A monthly meter reading fee of \$25 per month;**
- **An additional return trip fee will be charged if the meter cannot be accessed at the time of reading. (An additional meter read fee of \$65.00 will be charged for each additional attempt to read the meter);**
- **Forfeiture of leak adjustment program- customer will no longer be eligible for the District's leak adjustment program should a leak occur and/or if the customer has an existing active opt-out agreement on file; and**
- **Forfeiture of participating in Conservation Rebates and Incentives Programs offered by the District.**

It is important to note that meters manually read will not have the water usage information uploaded into the District's meter data management system, preventing customers that have opted-out from accessing and tracking their hourly consumption data, receiving leak notifications and viewing key customer information through a free online water tracking application. This creates missed opportunities for the customer to readily notice if an issue, such as a water leak, does occur.

### 3. Opt-Out Requirements

**Any customer with inefficient tier usage (150% over their allotted budget) for a period of 3 months or more within the previous 12-month period does not qualify to opt-out.**

The customer of record will be required to fill out, sign and submit the Advanced Meter Participation Request and Agreement Form (attached) to Opt-Out of the Advanced Meter Program. Forms shall be submitted to Las Virgenes Municipal Water District Customer Service Department. Forms will be reviewed and approved by the LVMWD Customer Service Team. Forms can be found at: <https://www.lvmwd.com/for-customers>. Requests must be submitted by the property owner, or with express written permission of the property owner.

**These requests must be in writing.** The original, signed application may be sent by mail, email, or in person to Las Virgenes Municipal Water District via:

Email: [Customer\\_service@lvmwd.com](mailto:Customer_service@lvmwd.com)

Mail, In Person, Drop Box:

**Las Virgenes Municipal Water District  
4232 Las Virgenes Road Calabasas, CA 91302  
Attn: LV Tap Advanced Meter Enhancement Program Opt-Out Request**

1. After a review for completeness by the Customer Service Team and if approved, a letter will be sent to the customer to indicate the change, and explain the opt-out charges that will appear on the customer's bill. This letter will also include the estimated date of installation of the non-advanced meter.
2. A standard or non-advanced meter will be installed, and a door hanger will be left at the address to verify the opt-out for the property has begun. **The following month's utility bill will reflect the new charges.**
3. Meters will be read monthly by LVMWD staff.

**Associated costs and fees for the program will be reviewed and may be re-assessed on an annual basis.**

Please call Customer Service at (818) 251-2200 or E-mail [customer\\_service@lvmwd.com](mailto:customer_service@lvmwd.com) to verify the type of meter at your property or for an explanation of the program.

**Customers can request to change opt-out status at any time. The same Advanced Meter Participation Request and Agreement Form (attached) must be submitted to the Customer Service Department.**

**ADVANCED METER PARTICIPATION REQUEST AND AGREEMENT  
FORM**

\_\_\_ **Opt-Out**

\_\_\_ **Opt-In**

Customer of Record: \_\_\_\_\_

Account Number: \_\_\_\_\_

Name of Applicant: \_\_\_\_\_

Water Service Address: \_\_\_\_\_

Phone Number: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Any Meter Access Concerns? (please indicate if gate is locked, dog, etc):

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_.

I request Las Virgenes Municipal Water District not install or un-install the advanced meter and install a standard meter for the aforementioned property. \_\_\_\_\_Initials

I understand by signing this form, I acknowledge and agree to the one-time fee of \$150 (if an advanced meter is already installed), a monthly meter reading fee of \$25, and the potential applicable return trip fee(s) of \$65 per attempt. \_\_\_\_\_Initials

I agree that by signing this form, I acknowledge and agree that I will no longer be eligible to participate in the leak adjustment program should a leak occur. \_\_\_\_\_Initials

I understand that by signing this form, I acknowledge and agree that I will no longer be eligible to participate in the District's water conservation rebate and incentive programs.  
\_\_\_\_\_Initials

Additionally, after 2 consecutive months of non-payment of fees or 3 months of inefficient water use within a 12 - month period, the District may determine that the opt-out agreement is no longer valid with the customer of record and may elect to install or re-install the advanced meter. Should this replacement occur, the customer of record will not be permitted to re-enroll in the opt-out program for a minimum of a 12- month period.

\_\_\_\_\_Initials

Opt Out Charge Description	Fee
<b>One-time Fee</b> for removal of advanced meter register and installation of manual-read meter- direct read register; set up and configure Meter Data Management System (MDMS) for manual monthly reads.	\$150.00
<b>Monthly Meter Reading Fee</b> for manual read of meter by LVMWD staff and upload of meter read into billing software by LVMWD customer service staff.	\$25.00
<b>Return Trip Fee</b> will be charged if the meter cannot be accessed at the time of reading. An additional meter read fee of \$65.00 would be charged for each additional attempt to read the meter. (Max 2 return trips per month)	\$65.00 per attempt
<b>Two Months Consecutive Non-Payment of Fee or 3 Months of Inefficient Water Use within a 12 Month Period - the District may determine that the opt-out agreement is no longer valid with the customer of record and will install an advanced meter. Unpaid monthly charges and applicable fees, if any, will be due. Should this replacement occur, the customer of record will not be permitted to re-enroll in the opt-out program for a minimum of a 12-month period.</b>	

**District Use only:**

Date Received:

Account Holder Validation:

Staff:



**Table 1: AMI Opt-Out Cost Information**

<b>AMI/AMR Opt-Out Per Meter Charge</b>	<b>Description</b>	<b>Cost Breakdown</b>
<p>One Time Meter Set up fee of:</p> <p><b>= \$150</b></p>	<p>Removal of AMI/AMR meter register, antenna, and lid replacement. Install new direct read register</p> <p>Service order system – set up for billing system changes and record-keeping/paperwork</p>	<p>Labor = \$94.03 Travel = \$8.72 Materials = \$45.00</p> <p>= \$147.75 (Round to \$150)</p>
<p>Monthly Meter Reading Fee of:</p> <p><b>= \$25.00</b></p>	<p>LVMWD Staff will manually read meter each month</p> <p>Customer service staff to enter read into billing system each month</p>	<p>Cost to read 2% of meters per cycle (\$15.47)</p> <p>Cost to manually bill 2% of meters per cycle (\$10.56)</p> <p>= \$26.03 (Round down to \$25)</p>
<p>Return Trip Fee of:</p> <p><b>= \$65.00</b></p>	<p>If meter cannot be accessed at time of reading, an additional meter read fee of \$65 will be charged for each additional trip (max. to 2 trips/billing cycle)</p>	<p>Labor = \$55.01 Travel= \$8.72</p> <p>=\$63.83 (Round to \$65)</p>
<p><b>Total Monthly Fee to Customer</b></p> <p><b>\$25.00*</b></p>	<p><b>Total Annual Cost to Customer-1<sup>st</sup> Year</b></p> <p><b>\$450.00*</b></p>	<p><b>Total annual cost to customer subsequent years</b></p> <p><b>\$300.00*</b></p>

***\*Not including return trip fees (limit 2/month –billing cycle)***



November 3, 2020 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Engineering and External Affairs

**Subject : Installation of Flow Restriction Devices on Specified Delinquent Accounts:  
Approval**

**SUMMARY:**

Due to the COVID-19 pandemic and Governor Gavin Newsom's Executive Order N-42-20, the District has been restricted from disconnecting water service to customers who are delinquent in paying their bills. The Executive Order was intended to protect the health and safety of California's residents who are facing financial hardship due to the pandemic. However, some customers appear to be taking advantage of the shutoff prohibition by using water in a wasteful manner and declining or defaulting on opportunities for flexible payment plans. As a result, staff has recently tested the use of flow restriction devices for possible installation on customers accounts with abnormally high water usage and when the customer refuses to either pay the past due balance on their account, agree to a flexible payment plan or adhere to the terms of an existing payment plan.

**RECOMMENDATION(S):**

Pass, approve and adopt proposed Resolution No. 2582, authorizing the installation of of flow restriction devices on specified delinquent accounts.

**RESOLUTION NO. 2582**

**A RESOLUTION OF THE BOARD OF DIRECTORS OF LAS VIRGENES MUNICIPAL WATER DISTRICT AMENDING RESOLUTION NO. 2468 (ADMINISTRATIVE CODE) AS IT RELATES TO THE INSTALLATION OF FLOW RESTRICTION DEVICES FOR NONPAYMENT OF A DELINQUENT ACCOUNT**

(Reference is hereby made to Resolution No. 2582 on file in the District's Resolution Book, and by this reference the same is incorporated herein.)

**FISCAL IMPACT:**

Yes

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

This action is expected to reduce the number of delinquent accounts and aged receivables.

**DISCUSSION:**

Background:

Governor Newsom's Executive Order N-42-20 has been in effect since March 4, 2020. The Executive Order prohibits water agencies from terminating water service due to non-payment to residential customers and commercial businesses that provide essential services. The intent of the Executive Order was to protect the health and safety of California's residents who are facing financial hardship due to the pandemic. During this unique time, the District has been unable to disconnect accounts that are delinquent. Instead, staff has individually contacted customers with delinquent accounts to encourage them to pay, if possible, or establish a flexible payment plan. The District has offered flexible payment plans with no interest and terms of up to 24 months. Nevertheless, some customers have refused to pay their bill, establish a payment plan or adhere to the terms of a payment plan and continuously used water in a wasteful manner (more than 200% of their water budget). To address the problem, staff recommends that installation of a flow restriction device for these accounts.

Need for Flow Restriction Devices:

As a result of the Executive Order, the District has seen its past due balance on delinquent water accounts nearly double. If the delinquent accounts remain unpaid, the remaining District customers who are keeping up on their payments will need to shoulder these costs. The proposed policy to allow for the installation of flow restriction devices seeks to minimize the number and aggregate amount of delinquent accounts, while still adhering to the Governor's Executive Order. The premise is that wasteful water use is inconsistent with a financial hardship and, therefore, should not be afforded the same degree of flexibility for non-payment as for efficient customers. Residential and commercial water customers will be subject to the installation of a flow restriction device for non-payment of a delinquent account only after proper notification and subject to the conditions outlined in the attached proposed Resolution. All costs associated with implementation of the policy will be placed on the customer's water bill.

Customer Notification:

Customer notifications prior to installation of a flow restriction device would be identical to those established for compliance with SB 998, which pertains to the discontinuation of residential water service. Once the billing due date has passed, a reminder notice will be sent out giving the customer an additional 60-calendar days to pay the delinquent balance before the flow restriction device is installed. If payment is not received within the 60-calendar-day timeframe and at least five business days prior to the scheduled installation of a flow restriction device, a phone call will be made to inform the customer of the scheduled installation. After

the phone call and if payment is still not received, a door tag will be left at the property at least two business days prior to the scheduled installation of a flow restriction device, which will provide a final warning to the customer. Finally, the flow restriction device will be placed on the meter no sooner than 60-calendar days after the bill due date, which aligns with the same requirements for the discontinuation of water services for non-payment.

Proposed Resolution No. 2582:

Attached are a red-lined and clean version of proposed Resolution No. 2582. The proposed Resolution modifies the Las Virgenes Municipal Water District Code to allow for either the installation a flow restriction device or termination of water service based on specified conditions. The action would be at the General Manager's discretion dependent upon any relevant local or state mandates concerning such actions, available resources and other pertinent considerations at the time.

Application for Delinquent Wasteful Water Users:

At this time and due to the District's desire to minimize impacts to customers during the COVID-19 pandemic, staff will only install flow restriction devices on accounts for customers that have been categorized as delinquent wasteful water users. This category consists of customers who have used more than 200% of their water budget for two months or more in the past 12 months and are delinquent on their accounts. Accounts with a current payment plan are not considered to be delinquent unless the customer has defaulted on the payment plan. The use of flow restriction devices may be recommended for expansion to a broader class of customers with delinquent accounts at a future date; however, prior Board approval will be obtained before expanding the use of flow restriction devices.

Provision of Sufficient Supplies for Health and Safety:

The Executive Order intends to allow customers with financial hardships to maintain water service for essential health and safety purposes. The flow restriction devices will allow customers to maintain sufficient supplies to support their health and safety needs, including washing their hands, filling a glass of water, cooking meals, cleaning dishes by hand, flushing the toilet and taking a light shower. However, the customer will not be able to fill a bathtub easily, run the dishwasher or use their irrigation system while the flow restriction device is in place. Upon notification, customers will be warned that the flow restriction device will render their irrigation system, fire sprinklers and household appliances that require large volumes of water inoperable.

Removal of Flow Restriction Device and Associated Fees:

Once the account has been paid in full or a flexible payment plan is established, the flow restriction device will be removed. Staff proposes a \$100.00 door tag fee to cover the cost of delivering the notice at least two (2) business days before the flow restriction device is placed on the meter. Staff also proposes a \$100.00 (\$150.00 for after-hours) fee to cover the cost of installing and removing the devices. These fees would be applied to the customer's account on the day the flow restrictor is placed on the meter.

**GOALS:**

## Ensure Effective Utilization of the Public's Assets and Money

This policy would reduce the number and aggregate dollar amount of delinquent accounts, which would minimize the cost to customers who are staying current on their payments.

Prepared by: Ursula Bosson, Customer Service Manager

### **ATTACHMENTS:**

Proposed Resolution No. 2582 (Red-lined Version)

Proposed Resolution No. 2582 (Clean Version)

**RESOLUTION NO. 2582**  
**A RESOLUTION OF THE BOARD OF**  
**DIRECTORS OF LAS VIRGENES MUNICIPAL**  
**WATER DISTRICT**  
**AMENDING RESOLUTION NO. 2468 (ADMINISTRATIVE**  
**CODE) AS IT RELATES TO THE INSTALLATION OF FLOW**  
**RESTRICTION DEVICES FOR NONPAYMENT OF A**  
**DELINQUENT ACCOUNT**

**Section 1. Purpose.**

This resolution amends Resolution No. 2468 (Administrative Code) regarding the installation of flow restrictors for nonpayment of delinquent non-residential and residential accounts, and adopts the revised Las Virgenes Municipal Water District Code Title 6, Chapter 1, Section 6-1.103, and Chapter 2, Section 6-2.103. The decision to either install a flow restriction device or to terminate a water service will be at the General Manger or designee's discretion and dependent upon any relevant local or State mandates concerning such actions, available resources and other pertinent considerations at the time.

**Section 2. Effective Date.**

All new processes and procedures related to the installation of a flow restriction devices for nonpayment adopted by this resolution are effective January 1, 2021.

**Section 3. Amendment.**

Section 6-1.103 of Resolution No. 2468 (Administrative Code) is amended and reenacted as follows:

"6-1.103     INSTALLATION OF WATER FLOW RESTRICTION DEVICE OR  
TERMINATION OF POTABLE WATER SERVICE FOR NON-  
RESIDENTIAL ACCOUNTS

(a) When a non-residential customer has failed to comply with the rules and regulations governing water service, other than the payment of charges, deposits or penalties, the General Manager, or his designee, shall notify the customer that a flow restriction device will be installed and/or the service will be terminated unless the customer forthwith complies with such rules and regulations or presents an adequate reason for failure to do so.

(1) Such notice shall be in substantially the following form:

PLEASE TAKE NOTICE that a water flow restriction device will be installed or your water service will be shut off after

~~five-two (52) calendar~~business days from the date of this notice unless you (list violation to be cured). Prior to the flow restriction device installation or termination date, if you believe that such installation or termination is not justified, you may present your position, orally or in writing, to the District's General Manager, or ~~his~~ designee, between the hours of 7:30 a.m. and 5:00 p.m. Monday through Friday, at the District's headquarters located at 4232 Las Virgenes Road, Calabasas, California. If you request the opportunity to present your position, your request will be reviewed and the District will either cancel or confirm the installation of the flow restriction device or termination of water service.

(2) ~~A flow restriction device shall be installed or s~~Service shall be terminated as specified in the Notice of Installation of Flow Restriction Device or and/or Termination of Water Service Termination unless the information presented by the non-residential customer indicates that installation of a flow restriction device or termination of service is inappropriate. A flow restriction device shall not be installed and sService shall not be terminated earlier than two (2) calendarbusiness days after the aforementioned Notice of Installation of Flow Restriction Device or Service Termination is ~~mailed~~left at the residence.

(b) ~~Service~~A flow restriction device may be installed or service may be terminated for nonpayment of a delinquent account only if notice of the delinquency and the impending installation of a flow restriction device or service termination is mailed to the non-residential customer at least ~~49~~20 calendar days after the bill is rendered and at least 15 business days prior to the proposed installation or termination date and a reasonable good faith effort is made to contact an adult person residing at the premises by telephone ~~or in person~~ at least five (5) ~~calendar~~business days prior and by door tag at least two (2) business days prior to the flow restriction device installation or service termination.

(1) The notice of installation of flow restriction or service termination shall include the following:

- a. Name and address of delinquent customer
- b. The amount of delinquency.
- c. The date by which payment or arrangement for payment is required to avoid the installation of a water flow restriction device or service termination.
- d. The procedure for the customer to initiate a complaint or investigate service or charges.
- e. The procedure to request amortization of unpaid charges.
- f. The procedure to obtain information on the availability of financial assistance.

g. The telephone number of a District representative who can provide added information.

(2) A non-residential customer may initiate a complaint or request an investigation within five (5) calendar days of receipt of a disputed bill or request an extension of time to pay a bill within thirteen (13) calendar days of mailing of the termination notice. The General Manager, or his designee, shall review the complaint or request and determine whether the customer shall be permitted to amortize the unpaid balance over a reasonable period of time, not to exceed 12 months.

(c) A flow restriction device shall not be installed and/or water service shall not be terminated for nonpayment:

(1) During the pendency of an investigation by the General Manager of a non-residential customer dispute or complaint.

(2) When the non-residential customer has been granted an extension; or

(3) When a licensed physician certifies that termination of service will be life threatening to the customers;

(4) When the non-residential customer is financially unable to pay for service within the normal payment period and the customer is willing to enter into an agreement to amortize payment of the delinquency over a period not to exceed 12 months.

(d) Delinquent charges or penalties for water service accumulated by a tenant in the tenant's name shall be collected from the tenant and not from any subsequent tenant. If a tenant fails to pay such charges or penalties the District may refuse to provide service to a subsequent tenant. The General Manager may require the property owner be the customer on subsequent accounts."

#### **Section 4. Amendment.**

Section 6-2.103 of Resolution No. 2468 (Administrative Code) is amended and reenacted as follows:

"6-2.103 INSTALLATION OF WATER FLOW RESTRICTION DEVICE OR DISCONTINUATION OF RESIDENTIAL WATER SERVICE FOR NON-PAYMENT

(a) Rendering and Payment of Bills. Bills for water service will be rendered to each consumer on a monthly basis unless otherwise provided for in the District's rate schedules. Bills for service are due and payable upon presentation and become overdue and subject to discontinuation of

Formatted: Indent: Left: 2", First line: 0.5", Line spacing: single



service if not paid within sixty (60) calendar days after the due date of the bill. Payment may be made at the District office or to any representative of the District authorized to make collections. However, it is the consumer's responsibility to assure that payments are received at the District office in a timely manner. Partial payments are not authorized unless prior approval has been received from the District. Bills will be computed as follows:

(1) Meters will be read at regular intervals for the preparation of periodic bills and as required for the preparation of opening bills, closing bills, and special bills.

(2) Bills for metered service will show the meter reading for the current and previous meter reading period for which the bill is rendered, the number of units, date, and days of service for the current meter reading.

(3) District billings shall be paid in legal tender of the United States of America. Notwithstanding the foregoing, the District shall have the right to refuse any payment of such billings in coin.

(b) Overdue Bills. The following rules apply to consumers whose bills remain unpaid for more than sixty (60) calendar days following the due date:

(1) If less than a minimum bill (i.e., less than the account's monthly meter charge) remains unpaid on any billing, it shall be carried over and added to the next billing period.

(2) Overdue Notice. If payment for a bill rendered is not made on or before the ~~twentieth-fifth~~ (20<sup>th</sup>5<sup>th</sup>) calendar day following the invoice date, an Overdue Notice will be issued. In addition, a phone call will be made to the water service consumer at least ~~seven-five~~ (5<sup>7</sup>) business days prior to the possible installation of a flow restriction device or discontinuation of service date identified in the Overdue Notice. For purposes of this Policy, the term "business days" shall refer to any days on which the District's office is open for business. The Overdue Notice must contain the following information:

- a. Consumer's name and address;
- b. Amount of delinquency;
- c. Date by which payment or arrangement for payment must be made to avoid installation of a flow restriction device or discontinuation of service;
- d. Description of the process to apply for an extension of time to pay the amount owing (see Section 6-2.104, below);
- e. Description of the procedure to petition for review and appeal of the bill giving rise to the delinquency (see Section 6-2.105, below); and,
- f. Description of the procedure by which the consumer can request a deferred, amortized, reduced or alternative payment schedule (see Section 6-2.104, below).

(3) Notice of Installation of Flow Restriction Device or Service Termination. Prior to the installation of a flow restriction device or discontinuation of water service for non-payment, the District will visit the residence at least ~~five-two (25)~~ calendar/business days before the installation or termination date and leave, or make other arrangement to place in a conspicuous location, a Notice of Installation of Flow Restriction Device or Service Termination in a form consistent with Section 6-1.103 (a)(1), and a copy of this Policy.

(4) Late Charge. A Late Charge, as specified in the District's fees and charges, shall be assessed and added to the outstanding balance on the consumer's account if the amount owing on that account is not paid before the Overdue Notice is generated.

(5) Turn-Off Deadline. Payment for water service charges must be received in the District offices no later than 5:00 p.m. on the date specified in the Overdue Notice. Postmarks are not acceptable.

(6) Notification of Returned Check. Upon receipt of a returned check rendered as remittance of water service or other charges, the District will consider the account not paid. The District will attempt to notify the consumer in person and leave a notice of installation of flow restriction device or termination of water service at the premises. A flow restriction device will be installed or wWater service will be disconnected if the amount of the returned check and returned check charge are not paid by the due date specified on the notice, which due date shall not be sooner than the date specified in the Overdue Notice; or, if an Overdue Notice had not been previously provided, no sooner than the sixtieth (60th) calendar day after the invoice for which payment by the returned check had been made. To redeem a returned check and to pay a returned check charge, all amounts owing must be paid by cash or certified funds.

(7) Returned Check Tendered as Payment for Water Service Disconnected for Non-Payment.

a. If the check tendered and accepted as payment which resulted in restoring service to an account that had been disconnected for non-payment is returned as non-negotiable, the District may discontinue said water service upon at least three (3) calendar/business days' written notice. The consumer's account may only be reinstated by receipt of outstanding charges in the form of cash or certified funds. Once the consumer's account has been reinstated, the account will be flagged for a one-year period indicating that a non-negotiable check was issued by the consumer.

b. If at any time during the ~~one-~~year period described above, the consumer's account is again disconnected for nonpayment, the District may require the consumer to pay cash or certified funds to have that water service restored.

(c) Conditions Prohibiting Discontinuation. The District shall not discontinue residential water service if all of the following conditions are met:

(1) Health Conditions. The consumer or tenant of the consumer submits certification of a primary care provider that discontinuation of water service would (i) be life threatening, or (ii) pose a serious threat to the health and safety of a person residing at the property;

(2) Financial Inability. The consumer demonstrates he or she is financially unable to pay for water service within the water system's normal billing cycle. The consumer is deemed "financially unable to pay" if any member of the consumer's household is: (i) a current recipient of the following benefits: CalWORKS, CalFresh, general assistance, Medi-Cal, SSI/State Supplementary Payment Program or California Special Supplemental Nutrition Program for Women, Infants, and Children; or (ii) the consumer declares the household's annual income is less than 200% of the federal poverty level (see, federal poverty levels applicable in California: <https://www.healthforcalifornia.com/covered-california/income-limits>); and,

(3) Alternative Payment Arrangements. The consumer is willing to enter into an amortization agreement, alternative payment schedule, or a plan for deferred or reduced payment, consistent with the provisions of Section 6-2.104, below.

(d) Process for Determination of Conditions Prohibiting Discontinuation of Service. The consumer bears the burden of proving compliance with the conditions described in Section 6-2.103 (c), above. To allow the District sufficient time to process any request for assistance by a consumer, the consumer is encouraged to provide the District with the necessary documentation demonstrating the medical issues under Section 6-2.103 (c)(1), financial inability under Section 6-2.103 (c)(2), and a willingness to enter into any alternative payment arrangement under Section 6-2.103 (c)(3), as far in advance of any proposed date for discontinuation of service as possible. Upon receipt of such documentation, the District's General Manager, or his or her designee, shall review that documentation and respond to the consumer within seven (57) ~~calendar~~business days to either request additional information, including information relating to the feasibility of the available alternative arrangements, or to notify the consumer of the alternative payment arrangement, and terms thereof, under Section 6-2.104, below, in which the District will allow the consumer to participate. If the District has requested additional information, the consumer shall provide the requested information within five (5) ~~calendar~~business days of receipt of the District's request. Within five (5) ~~calendar~~business days of its receipt of the additional information, the District shall either notify the consumer in writing that the consumer does not meet the conditions of Section 6-2.103 (c) above, or notify the consumer in writing of the alternative payment arrangement, and terms thereof, under Section 6-2.104, below, in which the District will allow the consumer to participate. Consumers

who fail to meet the conditions described in Section 6-2.103 (c), above, must pay the delinquent amount, including any penalties and other charges, owing to the District within the latter to occur of: (i) two (2) business days after the date of notification from the District of the District's determination the consumer failed to meet those conditions; or (ii) the date of the impending service discontinuation, as specified in the Overdue Notice.

(e) Special Rules of Low Income Consumers. Consumers are deemed to have a household income below 200% of the federal poverty line if: (i) any member of the consumer's household is a current recipient of the following benefits: CalWORKS, CalFresh, general assistance, Medi-Cal, SSI/State Supplementary Payment Program or California Special Supplemental Nutrition Program for Women, Infants, and Children; or (ii) the consumer declares the household's annual income is less than 200% of the federal poverty level. (See, federal poverty levels applicable in California: <https://www.healthforcalifornia.com/covered-california/income-limits>.) If a consumer demonstrates either of those circumstances, then the following apply:

(1) Disconnection and Flow Restriction Fees. If water service has been discontinued and is to be reconnected, then any reconnection fees during the District's normal operating hours cannot exceed ~~\$50-100~~, and reconnection fees during non-operational hours cannot exceed \$150. Those fees cannot exceed the actual cost of reconnection if that cost is less than the statutory caps. Those caps may be adjusted annually for changes in the Consumer Price Index for the Los Angeles-Long Beach-Anaheim metropolitan area beginning on January 1, 2021.

(2) Interest Waiver. The District shall not impose any interest charges on delinquent bills.

(f) Landlord-Tenant Scenario. The below procedures apply to individually metered detached single-family dwellings, multi-unit residential structures and mobile home parks where the property owner or manager is the customer of record and is responsible for payment of the water bill.

(1) Required Notice.

a. At least ten (10) ~~calendar~~business days prior if the property is a multi-unit residential structure or mobile home park, or seven (57) ~~calendar~~business days prior if the property is a detached single-family dwelling, to the possible installation of a flow restriction device or discontinuation of water service, the District must make a good faith effort to inform the tenants/occupants at the property by written notice that a flow restriction device or that the water service will be discontinued.

b. The written notice must also inform the tenants/occupants that they have the right to become customers to whom the service will be billed (see (f)(2), below), without having to pay any of the then-delinquent amounts.

Formatted: Left

(2) Tenants/Occupants Becoming Customers.

a. The District is not required to make water service available to the tenants/occupants unless each tenant/occupant agrees to the terms and conditions for water service and meets the District's requirements and rules.

b. However, if (i) one or more of the tenants/occupants assumes responsibility for subsequent charges to the account to the District's satisfaction, or (ii) there is a physical means to selectively discontinue service to those tenants/occupants who have not met the District's requirements, then the District may make service available only to those tenants/occupants who have met the requirements.

c. If prior service for a particular length of time is a condition to establish credit with the District, then residence at the property and proof of prompt payment of rent for that length of time, to the District's satisfaction, is a satisfactory equivalent.

d. If a tenant/occupant becomes a customer of the District and the tenant's/occupant's rent payments include charges for residential water service where those charges are not separately stated, the tenant/occupant may deduct from future rent payments all reasonable charges paid to the District during the prior payment method."

**Section 5. Other.**

Except as provided herein, Resolution No. 2468 (Administrative Code) is hereby reaffirmed and readopted.

**PASSED, APPROVED AND ADOPTED** on \_\_\_\_\_, 2020.

\_\_\_\_\_  
Jay Lewitt President

ATTEST

\_\_\_\_\_  
Charles Caspary, Secretary

APPROVED AS TO FORM:

\_\_\_\_\_  
Keith Lemieux, District Counsel

(SEAL)

|

**RESOLUTION NO. 2582**

**A RESOLUTION OF THE BOARD OF  
DIRECTORS OF LAS VIRGENES MUNICIPAL  
WATER DISTRICT  
AMENDING RESOLUTION NO. 2468 (ADMINISTRATIVE  
CODE) AS IT RELATES TO THE INSTALLATION OF FLOW  
RESTRICTION DEVICES FOR NONPAYMENT OF A  
DELINQUENT ACCOUNT**

**Section 1. Purpose.**

This resolution amends Resolution No. 2468 (Administrative Code) regarding the installation of flow restrictors for nonpayment of delinquent non-residential and residential accounts, and adopts the revised Las Virgenes Municipal Water District Code Title 6, Chapter 1, Section 6-1.103, and Chapter 2, Section 6-2.103. The decision to either install a flow restriction device or to terminate a water service will be at the General Manger or designee's discretion and dependent upon any relevant local or State mandates concerning such actions, available resources and other pertinent considerations at the time.

**Section 2. Effective Date.**

All new processes and procedures related to the installation of a flow restriction devices for nonpayment adopted by this resolution are effective January 1, 2021.

**Section 3. Amendment.**

Section 6-1.103 of Resolution No. 2468 (Administrative Code) is amended and reenacted as follows:

"6-1.103      INSTALLATION OF WATER FLOW RESTRICTION DEVICE OR  
TERMINATION OF POTABLE WATER SERVICE FOR NON-  
RESIDENTIAL ACCOUNTS

(a)      When a non-residential customer has failed to comply with the rules and regulations governing water service, other than the payment of charges, deposits or penalties, the General Manager, or designee, shall notify the customer that a flow restriction device will be installed or the service will be terminated unless the customer forthwith complies with such rules and regulations or presents an adequate reason for failure to do so.

(1)      Such notice shall be in substantially the following form:

PLEASE TAKE NOTICE that a water flow restriction device will be installed or your water service will be shut off after

two (2) business days from the date of this notice unless you (list violation to be cured). Prior to the flow restriction device installation or termination date, if you believe that such installation or termination is not justified, you may present your position, orally or in writing, to the District's General Manager, or designee, between the hours of 7:30 a.m. and 5:00 p.m. Monday through Friday, at the District's headquarters located at 4232 Las Virgenes Road, Calabasas, California. If you request the opportunity to present your position, your request will be reviewed and the District will either cancel or confirm the installation of the flow restriction device or termination of water service.

(2) A flow restriction device shall be installed or service terminated as specified in the Notice of Installation of Flow Restriction Device or Termination of Water Service unless the information presented by the non-residential customer indicates that installation of a flow restriction device or termination of service is inappropriate. A flow restriction device shall not be installed and service shall not be terminated earlier than two (2) business days after the aforementioned Notice of Installation of Flow Restriction Device or Service Termination is left at the residence.

(b) A flow restriction device may be installed or service may be terminated for nonpayment of a delinquent account only if notice of the delinquency and the impending installation of a flow restriction device or service termination is mailed to the non-residential customer at least 20 calendar days after the bill is rendered and at least 15 business days prior to the proposed installation or termination date and a reasonable good faith effort is made to contact an adult person residing at the premises by telephone at least five (5) business days prior and by door tag at least two (2) business days prior to the flow restriction device installation or service termination.

(1) The notice of installation of flow restriction or service termination shall include the following:

- a. Name and address of delinquent customer
- b. The amount of delinquency.
- c. The date by which payment or arrangement for payment is required to avoid the installation of a water flow restriction device or service termination.
- d. The procedure for the customer to initiate a complaint or investigate service or charges.
- e. The procedure to request amortization of unpaid charges.
- f. The procedure to obtain information on the availability of financial assistance.
- g. The telephone number of a District



representative who can provide added information.

(2) A non-residential customer may initiate a complaint or request an investigation within five (5) calendar days of receipt of a disputed bill or request an extension of time to pay a bill within thirteen (13) calendar days of mailing of the termination notice. The General Manager, or his designee, shall review the complaint or request and determine whether the customer shall be permitted to amortize the unpaid balance over a reasonable period of time, not to exceed 12 months.

(c) A flow restriction device shall not be installed and/or water service shall not be terminated for nonpayment:

(1) During the pendency of an investigation by the General Manager of a non-residential customer dispute or complaint.

(2) When the non-residential customer has been granted an extension; or

(3) When a licensed physician certifies that termination of service will be life threatening to the customers;

(4) When the non-residential customer is financially unable to pay for service within the normal payment period and the customer is willing to enter into an agreement to amortize payment of the delinquency over a period not to exceed 12 months.

(d) Delinquent charges or penalties for water service accumulated by a tenant in the tenant's name shall be collected from the tenant and not from any subsequent tenant. If a tenant fails to pay such charges or penalties the District may refuse to provide service to a subsequent tenant. The General Manager may require the property owner be the customer on subsequent accounts.”

#### **Section 4. Amendment.**

Section 6-2.103 of Resolution No. 2468 (Administrative Code) is amended and reenacted as follows:

#### **“6-2.103 INSTALLATION OF WATER FLOW RESTRICTION DEVICE OR DISCONTINUATION OF RESIDENTIAL WATER SERVICE FOR NON-PAYMENT**

(a) Rendering and Payment of Bills. Bills for water service will be rendered to each consumer on a monthly basis unless otherwise provided for in the District’s rate schedules. Bills for service are due and payable upon presentation and become overdue and subject to discontinuation of service if not paid within sixty (60) calendar days after the due date of the bill. Payment may be made at the District office or to any representative

of the District authorized to make collections. However, it is the consumer's responsibility to assure that payments are received at the District office in a timely manner. Partial payments are not authorized unless prior approval has been received from the District. Bills will be computed as follows:

(1) Meters will be read at regular intervals for the preparation of periodic bills and as required for the preparation of opening bills, closing bills, and special bills.

(2) Bills for metered service will show the meter reading for the current and previous meter reading period for which the bill is rendered, the number of units, date, and days of service for the current meter reading.

(3) District billings shall be paid in legal tender of the United States of America. Notwithstanding the foregoing, the District shall have the right to refuse any payment of such billings in coin.

(b) Overdue Bills. The following rules apply to consumers whose bills remain unpaid for more than sixty (60) calendar days following the due date:

(1) If less than a minimum bill (i.e., less than the account's monthly meter charge) remains unpaid on any billing, it shall be carried over and added to the next billing period.

(2) Overdue Notice. If payment for a bill rendered is not made on or before the twentieth (20th) calendar day following the invoice date, an Overdue Notice will be issued. In addition, a phone call will be made to the water service consumer at least five (5) business days prior to the possible installation of a flow restriction device or discontinuation of service date identified in the Overdue Notice. For purposes of this Policy, the term "business days" shall refer to any days on which the District's office is open for business. The Overdue Notice must contain the following information:

- a. Consumer's name and address;
- b. Amount of delinquency;
- c. Date by which payment or arrangement for payment must be made to avoid installation of a flow restriction device or discontinuation of service;
- d. Description of the process to apply for an extension of time to pay the amount owing (see Section 6-2.104, below);
- e. Description of the procedure to petition for review and appeal of the bill giving rise to the delinquency (see Section 6-2.105, below); and,
- f. Description of the procedure by which the consumer can request a deferred, amortized, reduced or alternative payment schedule (see Section 6-2.104, below).

(3) Notice of Installation of Flow Restriction Device or Service Termination. Prior to the installation of a flow restriction device or

discontinuation of water service for non-payment, the District will visit the residence at least two (2) business days before the installation or termination date and leave, or make other arrangement to place in a conspicuous location, a Notice of Installation of Flow Restriction Device or Service Termination in a form consistent with Section 6-1.103 (a)(1), and a copy of this Policy.

(4) Late Charge. A Late Charge, as specified in the District's fees and charges, shall be assessed and added to the outstanding balance on the consumer's account if the amount owing on that account is not paid before the Overdue Notice is generated.

(5) Turn-Off Deadline. Payment for water service charges must be received in the District offices no later than 5:00 p.m. on the date specified in the Overdue Notice. Postmarks are not acceptable.

(6) Notification of Returned Check. Upon receipt of a returned check rendered as remittance of water service or other charges, the District will consider the account not paid. The District will attempt to notify the consumer in person and leave a notice of installation of flow restriction device or termination of water service at the premises. A flow restriction device will be installed or water service will be disconnected if the amount of the returned check and returned check charge are not paid by the due date specified on the notice, which due date shall not be sooner than the date specified in the Overdue Notice; or, if an Overdue Notice had not been previously provided, no sooner than the sixtieth (60th) calendar day after the invoice for which payment by the returned check had been made. To redeem a returned check and to pay a returned check charge, all amounts owing must be paid by cash or certified funds.

(7) Returned Check Tendered as Payment for Water Service Disconnected for Non-Payment.

a. If the check tendered and accepted as payment which resulted in restoring service to an account that had been disconnected for non-payment is returned as non-negotiable, the District may discontinue said water service upon at least three (3) business days' written notice. The consumer's account may only be reinstated by receipt of outstanding charges in the form of cash or certified funds. Once the consumer's account has been reinstated, the account will be flagged for a one-year period indicating that a non-negotiable check was issued by the consumer.

b. If at any time during the one-year period described above, the consumer's account is again disconnected for nonpayment, the District may require the consumer to pay cash or certified funds to have that water service restored.

(c) Conditions Prohibiting Discontinuation. The District shall not discontinue residential water service if all of the following conditions are

met:

(1) Health Conditions. The consumer or tenant of the consumer submits certification of a primary care provider that discontinuation of water service would (i) be life threatening, or (ii) pose a serious threat to the health and safety of a person residing at the property;

(2) Financial Inability. The consumer demonstrates he or she is financially unable to pay for water service within the water system's normal billing cycle. The consumer is deemed "financially unable to pay" if any member of the consumer's household is: (i) a current recipient of the following benefits: CalWORKS, CalFresh, general assistance, Medi-Cal, SSI/State Supplementary Payment Program or California Special Supplemental Nutrition Program for Women, Infants, and Children; or (ii) the consumer declares the household's annual income is less than 200% of the federal poverty level (see, federal poverty levels applicable in California: <https://www.healthforcalifornia.com/covered-california/income-limits>); and,

(3) Alternative Payment Arrangements. The consumer is willing to enter into an amortization agreement, alternative payment schedule, or a plan for deferred or reduced payment, consistent with the provisions of Section 6-2.104, below.

(d) Process for Determination of Conditions Prohibiting Discontinuation of Service. The consumer bears the burden of proving compliance with the conditions described in Section 6-2.103 (c), above. To allow the District sufficient time to process any request for assistance by a consumer, the consumer is encouraged to provide the District with the necessary documentation demonstrating the medical issues under Section 6-2.103 (c)(1), financial inability under Section 6-2.103 (c)(2), and a willingness to enter into any alternative payment arrangement under Section 6-2.103 (c)(3), as far in advance of any proposed date for discontinuation of service as possible. Upon receipt of such documentation, the District's General Manager, or his or her designee, shall review that documentation and respond to the consumer within seven (5) business days to either request additional information, including information relating to the feasibility of the available alternative arrangements, or to notify the consumer of the alternative payment arrangement, and terms thereof, under Section 6-2.104, below, in which the District will allow the consumer to participate. If the District has requested additional information, the consumer shall provide the requested information within five (5) business days of receipt of the District's request. Within five (5) business days of its receipt of the additional information, the District shall either notify the consumer in writing that the consumer does not meet the conditions of Section 6-2.103 (c) above, or notify the consumer in writing of the alternative payment arrangement, and terms thereof, under Section 6-2.104, below, in which the District will allow the consumer to participate. Consumers who fail to meet the conditions described in Section 6-2.103 (c), above, must pay the delinquent amount, including any penalties and other charges, owing to

the District within the latter to occur of: (i) two (2) business days after the date of notification from the District of the District's determination the consumer failed to meet those conditions; or (ii) the date of the impending service discontinuation, as specified in the Overdue Notice.

(e) Special Rules of Low Income Consumers. Consumers are deemed to have a household income below 200% of the federal poverty line if: (i) any member of the consumer's household is a current recipient of the following benefits: CalWORKS, CalFresh, general assistance, Medi-Cal, SSI/State Supplementary Payment Program or California Special Supplemental Nutrition Program for Women, Infants, and Children; or (ii) the consumer declares the household's annual income is less than 200% of the federal poverty level. (See, federal poverty levels applicable in California: <https://www.healthforcalifornia.com/covered-california/income-limits>.) If a consumer demonstrates either of those circumstances, then the following apply:

(1) Disconnection and Flow Restriction Fees. If water service has been discontinued and is to be reconnected, then any reconnection fees during the District's normal operating hours cannot exceed \$100, and reconnection fees during non-operational hours cannot exceed \$150. Those fees cannot exceed the actual cost of reconnection if that cost is less than the statutory caps. Those caps may be adjusted annually for changes in the Consumer Price Index for the Los Angeles-Long Beach-Anaheim metropolitan area beginning on January 1, 2021.

(2) Interest Waiver. The District shall not impose any interest charges on delinquent bills.

(f) Landlord-Tenant Scenario. The below procedures apply to individually metered detached single-family dwellings, multi-unit residential structures and mobile home parks where the property owner or manager is the customer of record and is responsible for payment of the water bill.

(1) Required Notice.

a. At least ten (10) business days prior if the property is a multi-unit residential structure or mobile home park, or seven (5) business days prior if the property is a detached single-family dwelling, to the possible installation of a flow restriction device or discontinuation of water service, the District must make a good faith effort to inform the tenants/occupants at the property by written notice that a flow restriction device or that the water service will be discontinued.

b. The written notice must also inform the tenants/occupants that they have the right to become customers to whom the service will be billed (see (f)(2), below), without having to pay any of the then-delinquent amounts.

(2) Tenants/Occupants Becoming Customers.

a. The District is not required to make water service

available to the tenants/occupants unless each tenant/occupant agrees to the terms and conditions for water service and meets the District's requirements and rules.

b. However, if (i) one or more of the tenants/occupants assumes responsibility for subsequent charges to the account to the District's satisfaction, or (ii) there is a physical means to selectively discontinue service to those tenants/occupants who have not met the District's requirements, then the District may make service available only to those tenants/occupants who have met the requirements.

c. If prior service for a particular length of time is a condition to establish credit with the District, then residence at the property and proof of prompt payment of rent for that length of time, to the District's satisfaction, is a satisfactory equivalent.

d. If a tenant/occupant becomes a customer of the District and the tenant's/occupant's rent payments include charges for residential water service where those charges are not separately stated, the tenant/occupant may deduct from future rent payments all reasonable charges paid to the District during the prior payment method."

**Section 5. Other.**

Except as provided herein, Resolution No. 2468 (Administrative Code) is hereby reaffirmed and readopted.

**PASSED, APPROVED AND ADOPTED** on \_\_\_\_\_, 2020.

\_\_\_\_\_  
Jay Lewitt President

ATTEST

\_\_\_\_\_  
Charles Caspary, Secretary

APPROVED AS TO FORM:

\_\_\_\_\_  
Keith Lemieux, District Counsel  
(SEAL)



November 3, 2020 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Engineering and External Affairs

**Subject : On-Call Construction Management and Inspection Services: Award**

**SUMMARY:**

On August 18, 2020, staff issued a Request for Proposals (RFP) for On-Call Construction Management and Inspection Services. The District received eight proposals, and after thorough review, staff recommends accepting the proposal from NV5 based on its references, availability of resources and competitive rates.

**RECOMMENDATION(S):**

Accept the proposal from NV5, and authorize the General Manager to execute a one-year professional services agreement, in the amount of \$300,000, with four one-year renewal options for on-call construction management and inspection services.

**FISCAL IMPACT:**

Yes

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

The cost of the proposed services is not expected to exceed \$300,000 annually. Task orders will be issued for the on-call services to support existing capital improvement projects included in the adopted Fiscal Year 2020-21 Budget. Charges for the work will be allocated to the associated capital improvement projects.

**DISCUSSION:**

On August 18, 2020, staff issued a Request for Proposals (RFP) for professional services

from qualified firms to provide construction management and inspection services on an on-call basis. The RFP addressed construction management and inspection needs for capital improvement projects where internal staff may not be available or are otherwise engaged in existing projects. In addition, an outside consultant can frequently provide services such as specialty inspection work associated with electrical and coating tasks.

Task orders will be issued under this agreement on an as-needed, on-call basis, and payments will be made according to the rate schedule submitted by the consultant. The initial contract term will be for one year, in the amount of \$300,000, for all task orders. Staff recommends authorization to approve up to four potential one-year renewal options, in the amount of \$300,000 each. No guarantee would be made to the consultant for any minimum amount work. The District would further reserve the right to hire specialty managers and/or inspectors at any time through a separate contract, and the proposed agreement would not confer any exclusivity to the successful firm for construction management or inspection services.

The RFP yielded eight proposals. The proposals were reviewed based on the quality of the firm's performance on past projects, expertise in the field of construction management and inspection, understanding of the project scope and objectives, rates and fees, history and resource capacity to perform the requested service and additional factors. Of the eight proposals received, staff recommends NV5 for award of the work. NV5's proposal demonstrated experience successfully delivering past projects for the District, including inspection work for a portion of the 1235-Foot Backbone Improvements Program and the Tapia Water Reclamation Facility Primary Clarifier Rehabilitation Project. NV5 also identified multiple construction managers and inspection staff who would be available for District projects, clearly demonstrating an ability to handle concurrent projects. Lastly, NV5's rate structure was very competitive and offers significant cost-savings to the District as compared to the some of the other proposals.

### **GOALS:**

Construct, Manage and Maintain All Facilities and Provide Services to Assure System Reliability and Environmental Compatibility

Outside construction management and inspection services will allow the District to continue executing capital improvement projects when it is necessary to augment staff due to additional workload and schedule conflicts.

Prepared by: Oliver Slosser, P.E., Senior Engineer

### **ATTACHMENTS:**

Request for Proposals

NV5 Proposal





REQUEST FOR PROPOSALS  
FOR

On-Call Construction Management and Inspection  
Services

**PROPOSALS DUE September 17 at 3:00 p.m.**

LAS VIRGENES MUNICIPAL WATER DISTRICT  
4232 LAS VIRGENES ROAD  
CALABASAS CA 91302  
818.251.2100

August 2020

---

---

**REQUEST FOR PROPOSALS**  
**Las Virgenes Municipal Water District**

---

---

**TABLE OF CONTENTS**

- I. Background Information
- II. Scope of Work
- III. Minimum Consultant Qualifications
- IV. Proposal Requirements
- V. Evaluation Criteria
- VI. Schedule

**ATTACHMENTS**

Professional Service Agreement (Sample)

## **I. BACKGROUND INFORMATION**

Las Virgenes Municipal Water District (District) is a special district established in 1958. The service area encompasses 122-square miles in western Los Angeles County and includes the incorporated cities of Hidden Hills, Agoura Hills, Calabasas, Westlake Village, and Chatsworth, as well as unincorporated areas. The District provides potable water, recycled water, and sanitation services (wastewater) to a population of approximately 70,000. The sanitation and recycled water services are provided through a Joint Powers Authority (JPA) with Triunfo Water and Sanitation District (TWSD).

The District maintains a water distribution system that includes 24 potable water tanks, 24 pump stations, 107 pressure-reducing stations, approximately 400 miles of potable water pipelines, and Westlake Filtration Plant. The District also maintains 2 recycled water tanks, 1 recycled water reservoir, miles of recycled water mains, Rancho Las Virgenes Compost Facility, and Tapia Water Reclamation Facility as part of the JPA agreement. Approximately \$10 million are invested every year on Capital Improvement Projects (CIP) identified in the District's Infrastructure and Investment Plan (IIP), both for the District and JPA.

The District currently employs one full time staff member whom inspects construction; however, at times it is necessary to augment the District staff due to additional workload and schedule conflicts. The District is currently seeking professional services from qualified firms to provide on-call construction management and inspection on multiple projects to ensure successful, timely, and cost effective completion.

This contract does not guarantee any minimum of work to the selected firm. The contract will be awarded on an on-call as-needed basis. The maximum dollar amount of all task orders issued under this contract per contract year shall not exceed \$300,000. The assignment of tasks under this agreement is at the sole discretion of the District and the District will not compensate the selected consultant for any costs related to proposing for the contract, or for gathering and furnishing required documentation, insurance certificates, bonds, and other documentation required to establish eligibility to perform the work. All work and compensation in connection with this agreement must be expressly authorized by the District through formal task order.

The District reserves the right to hire specialist managers and inspectors at any time through separate contract, and this agreement does not confer any exclusivity to the successful firm for construction management or inspection services.

## **II. SCOPE OF WORK**

The District is seeking the professional services from qualified firms to provide construction management and inspection services for multiple projects on an on-call basis. Construction management and inspection will be as-needed, and paid according to approved rate schedule as submitted by the selected consultant. The initial contract will be for one year for a maximum of \$300,000 in contract value for all task orders issued under the contract per contract year, with up to four potential one-year renewal options (up to a total of five years). Renewal at the end of each contract year will be at the sole discretion of the District. Proposals shall include construction manager(s) and inspector(s) resume, which highlight certifications and experience delivering similar projects.

The anticipated scope of work may include:

- 1) Pre-Construction Phase:
  - a. The Consultant shall visit, and become familiar with the project site and associated construction areas. Consultant shall review the project documents and become familiar with the following:
    - i. Construction drawings and specifications
    - ii. Phasing, scheduling, and sequencing of construction.
    - iii. Local, state, and federal regulations pertaining to the project
    - iv. District policy and procedure
    - v. Environmental documents and required mitigation measures
  - b. Consultant may attend a kick-off meeting with the District Project Manager, District Inspector, and/or the Design Engineer to become familiar with the scope of work and the District's construction management and inspection procedure. Attendance will be on case to case basis.
  
- 2) Construction Management, Inspection & Coordination: The Consultant shall provide construction management and inspection services to include but not be limited to the following:
  - a. Provide as-needed onsite management and inspection.
  - b. Provide inspection report highlighting the field inspected (structural, electrical, etc.), progress, construction activities, deviations from the contract documents, weather conditions, and other pertinent information.
  - c. Provide photographic record in the inspection report. Each photo is to be properly labelled with a date stamp and description.
  - d. Coordinate with District inspector on monitoring contractor's workmanship and materials for a general conformance to the Contract Documents. Conflicts with plans and specifications brought up by contractor during field inspections must be included in the inspection report, and brought to the attention of the District's inspector.
  - e. Enforce contract requirements, District code, and compliance to various city ordinances where applicable.
  - f. Inspector may be asked to establish punch list, and conduct a completion walk through.
  - g. Types of CIPs that the selected firm is expected to perform construction management and inspections for include, but are not limited to, the following:
    - i. Various water, wastewater and recycled water pipeline projects throughout the District.
    - ii. Potable and Recycled Water Tank Rehabilitation
    - iii. Pump Station upgrades and rehabilitation
    - iv. Potable and recycled water treatment facility CIPs, including projects to address state and federal regulatory requirements
  
- 3) Each CIP has different management and inspection requirements to complete the Project as defined by the plans and specification. Successful firm must demonstrate ability to:
  - a. Provide Specialty inspection, including but not limited to:
    - i. Concrete Inspection
    - ii. Electrical Inspection
    - iii. Welding Inspection
    - iv. Paving Inspection

- v. Coating Inspection i.e potable water tanks, recycled water tanks
  - vi. Structural Inspections i.e rebar, masonry
  - vii. Other, as required
- 4) Construction managers and inspectors are expected to keep records on hours for each project assigned. Each CIP is assigned a CIP number, and successful firm will be expected to invoice individual CIP projects with the associated CIP number identified.

The District reserves the right to negotiate terms and conditions of this contract and any task orders that emanate from this agreement. The selected firm will be assigned individual task orders under this contract, and each task will have its own budget and work scope determined before work is to begin. Travel time, mileage, vehicle, meals, and other direct costs will not be allowed and should be incorporated into the hourly rates provided in the proposal. The selected firm may request hourly rates to be increased on a yearly basis if and when the contract is renewed. Rate increases may not exceed 3% per year, shall be based on the Los Angeles County Consumer Price Index CPI for the period, and be submitted to the Principal Engineer or their designee for approval. All contract renewals will need the District Board of Director's approval before the contract is renewed. The total amount paid to any consultant under this on-call contract will not exceed \$300,000 per year. This agreement does not bind the District to any minimum compensation for the selected firm; all work done under this contract must be expressly authorized through task order, issued at the sole discretion of the District.

### **III. MINIMUM CONSULTANT QUALIFICATIONS**

Consultant shall provide information to verify the following minimum qualifications:

- 1) Construction management and inspection experience for projects with a value of at least \$1 million.
- 2) Professional liability insurance in the amount of \$1 million.
- 3) Ability to execute the standard Consultant Agreement (Attached).

### **IV. PROPOSAL REQUIREMENTS**

- 1) Legal name of firm with address, telephone number and the name of at least one principal.
- 2) Project understanding and approach, including resource capacity to perform work on several projects simultaneously.
- 3) Names and résumés of individual(s) proposed to perform the services, including proof of professional registrations, as appropriate.
- 4) Description of the firm's internal quality control process.
- 5) Names, qualifications and principals of any sub-consultants to be utilized in providing the service(s).
- 6) References for 3 recently completed projects of similar size and scope where firm performed construction management and/or inspection services. Include contact person and telephone number. At least one reference must be for a project with a value of at least \$1 million.
- 7) Sample of inspection report for a recently completed project.
- 8) Certificate of professional liability insurance.
- 9) Schedule of Rates and Fees.
- 10) List any assumptions and inclusions/exclusions.

## **V. EVALUATION CRITERIA**

Proposals will be evaluated based upon the following:

- 1) The quality of performance on past projects.
- 2) Expertise in the field of construction management and inspection as demonstrated by approach and reference check.
- 3) Demonstration of understanding project scope, objectives, and potential solutions.
- 4) The ability to meet expedited time schedules and complete the work within established budgets.
- 5) Quality of sample inspection report.
- 6) Relative cost of rates and fees
- 7) The firm's history and resource capacity to perform the requested service.
- 8) The experience and qualifications of assigned personnel.
- 9) The ability and experience in working with cities and other local entities in compliance with the requirements of these respective jurisdictions.
- 10) Ability to respond to requests for construction management and inspection quickly and provide a local team within one week of notice to proceed.
- 11) Demonstration of ability to work with multiple public agencies and utility companies.

## **VI. SCHEDULE**

Request for Proposals	August 18, 2020
Pre-proposal Meeting (not required)	September 2, 2020
Questions Due	September 4, 2020
Proposal Due Date (3:00 p.m.)	September 17, 2020
Proposal Acceptance (Board meeting, tentative)	October 6, 2020

**Please submit one (1) digital of your proposal no later than 3:00 p.m. on September 17, 2020 by emailing to:**

Attn: Oliver Slosser, PE  
oslosser@lvmwd.com



## PROPOSAL

Submitted by NV5, Inc.

163 Technology Drive, Suite 100 | Irvine, CA 92618

1868 Palma Drive, Suite A | Ventura, CA 93003

## Las Virgenes Municipal Water District

On-Call Construction Management and Inspection Services

SEPTEMBER 17, 2020



# TABLE OF CONTENTS

1. Cover Letter & Firm Information .....	01
2. Project Understanding & Approach .....	03
3. Organization Chart & Resumes .....	05
4. QA/QC Procedures .....	36
5. Subconsultants .....	37
6. References & Project Experience .....	38
7. Sample Inspection Report .....	43
8. Certificate of Professional Liability Insurance .....	48
9. Schedule of Rates and Fees .....	49
10. List of Assumptions & Inclusions/Exclusions .....	52

September 17, 2020

Las Virgenes Municipal Water District  
 Attn: Oliver Slosser, PE  
 4232 Las Virgenes Road  
 Calabasas, CA 91302

**SUBJECT: RFP for On-Call Construction Management and Inspection Services**

Dear Mr. Slosser,

NV5, Inc. is excited to have the opportunity to provide On-Call Construction Management and Inspection Services to the Las Virgenes Municipal Water District. Our team has the knowledge and experience to ensure your projects are completed on schedule and within budget. NV5's strengths include the following:

**Current Partnership:** Our experience and strong existing relationship with the District gives us the ability to continue providing construction support services for your capital improvement projects. **We operate with a working knowledge of your staff, processes and environment, enabling us to provide outstanding cost- and time-efficient services.** Specifically, our team has provided construction materials testing services for the District's 1235 ft. Backbone Improvement Project (Calabasas Pipeline) and Tapia Wastewater Treatment Plant Primary Clarifier Rehabilitation Project.

**Relevant Experience:** We believe that past experience and success are key indicators of future performance. We are committed to providing high-quality service and believe that commitment is one reason why more than 90% of our work comes from repeat clients — an obvious indicator of client satisfaction. Our team has provided On-Call Construction Management and Inspection Services to dozens of cities throughout Southern California, and details of our most relevant experience can be found starting on **page 38**.

**Proposed Team:** NV5 offers the District a team of dedicated professionals with proven capability and expertise. Our **Project Director, Luanne Bean, PE**, will be the main point of contact and will provide hands-on, customer-oriented, proactive management of your on-call contract. Ms. Bean brings more than 30 years of experience in the engineering, design, and construction of water and wastewater projects. She will be joined by a team of professionals who will develop strong working relationships with staff at the District that will allow us to seamlessly interface with you and your stakeholders, maximizing efficiency and quality. NV5 has a deep bench of over 2,000 professionals who can be made available to the District on an as-needed basis. We have the resource capacity to perform work on several projects simultaneously, assuring the successful, timely, and cost effective completion of your projects. Rest assured that NV5 can mobilize quickly to meet any of the District's needs.

**Accessibility and Responsiveness:** Our professionals take pride in providing immediate response and personal attention to our clients' needs. Additionally, each of our Construction Inspectors has been provided with an iPad and will be using our exclusive iPad application to prepare daily reports with photos. These reports are uploaded to our servers at the end of each day and can be made available to the District immediately; granting you convenient, full access to the current status and progress of your projects.

**Proximity to the District:** We are fully staffed, perfectly situated, and ready to respond immediately to all requests. In addition to our main office in Irvine, NV5 has over 20 offices throughout California. Additionally, our fully-staffed Ventura office, an easy 30-mile drive from the District's headquarters, maintains one of the largest and most sophisticated materials laboratories in California.

NV5 looks forward to the opportunity to work with the District and help you achieve your goals and objectives. If you need further information, we may be reached by phone at (949) 585-0477, or electronically at [luanne.bean@nv5.com](mailto:luanne.bean@nv5.com) and [jeff.cooper@nv5.com](mailto:jeff.cooper@nv5.com). Thank you for your time and consideration.

Sincerely,  
 NV5



Luanne Bean, PE  
 Senior Construction Manager  
 for Water/Wastewater



Jeffrey M. Cooper, PE  
 Director of Infrastructure  
 (Authorized Signer)

**COMPANY INFORMATION/CONTACT**

Legal Name: NV5, Inc.  
 Address: 163 Technology Drive, Suite 100,  
 Irvine, CA 92618  
 Telephone Number: (949) 585-0477  
 Principal: Jeffrey M. Cooper, PE

# 1. COVER LETTER & FIRM INFORMATION

## FIRM PROFILE

NV5, Inc. has been providing engineering and consulting services to public and private sectors for more than 69 years, delivering solutions through five business verticals: Construction Quality Assurance, Infrastructure, Energy, Program Management, and Environmental. With more than 100 offices nationwide and abroad, NV5 has access to over 2,000 employees in a variety of fields who help clients plan, design, build, test, certify, and operate projects that improve the communities where we live and work.

Our Irvine office specializes in the engineering design, construction management and inspection of capital improvement projects, including: water and wastewater systems, drainage and flood control, streets, traffic systems, parks and recreational facilities, vertical construction, and landscaping and grading. Our team includes licensed civil engineers, licensed contractors, construction managers, certified inspectors and experienced public works professionals. All team members have extensive experience working within the structure of municipal government and public construction policy and will seamlessly integrate with the District's team.

## KEY SERVICES

The successful delivery of our products and services has resulted in repeat clients for a broad range of municipal projects. Our key services include:

	CIVIL ENGINEERING DESIGN		CONSTRUCTION MANAGEMENT + INSPECTION
	DESIGN OF NEW + UPGRADES TO EXISTING WATER + WASTEWATER FACILITIES		PLAN CHECK/REVIEW
	DESIGN OF DRAINAGE IMPROVEMENTS		CIP BUDGET MANAGEMENT
	WATER SYSTEM ANALYSIS AND ASSESSMENT		STAFF AUGMENTATION
	WATER QUALITY + TREATMENT SERVICES		GEOTECHNICAL + MATERIALS TESTING/SPECIAL INSPECTION
	EXISTING FACILITY EVALUATION + MAINTENANCE		GRANTS + FEDERAL FUNDING MANAGEMENT
	GIS SUPPORT		PUBLIC OUTREACH

We maintain an extensive history of working with various local agencies. Throughout the course of completing a myriad of public works capital improvement projects, our team has demonstrated an unparalleled ability to work well with local agency staff, project stakeholders, engineers and contractors. We have successfully delivered projects in a timely and cost-effective manner, and we have acquired a keen understanding of local agency requirements, a critical element in the facilitation and resolution of project issues. NV5 is excited about the opportunity to continue to serve the District and are committed to maintaining effective working relationships with your staff, relevant government agencies and project stakeholders.

With a demonstrated ability to address public concerns, we are experts in a broad range of governmental interface, public outreach and community involvement, and we are genuinely committed to public participation as a way of planning and completing projects. Our team routinely performs these services as part of our delivery of public works projects and regard them as a vital component to project success.

## 2. PROJECT UNDERSTANDING & APPROACH

### PROJECT UNDERSTANDING

Servicing the 122-square mile area of the cities of Hidden Hills, Agoura Hills, Calabasas, Westlake Village, Chatsworth, as well as other unincorporated areas, the Las Virgenes Municipal Water District (District) provides potable water, recycled water, and sanitation services to a population of approximately 70,000. It is our understanding that the District is seeking professional services from qualified firms to provide on-call construction management and inspection services for multiple projects.

Our team has the resources and capabilities to provide full-service construction management and inspection services to the District as-needed, and can provide all services outlined within the RFP Scope of Work. *NV5 has a deep bench of over 2,000 professionals who can be made available to the District on an as-needed basis. We have the resource capacity to perform work on several projects simultaneously, assuring the successful, timely, and cost effective completion of your projects.*

### PROJECT APPROACH

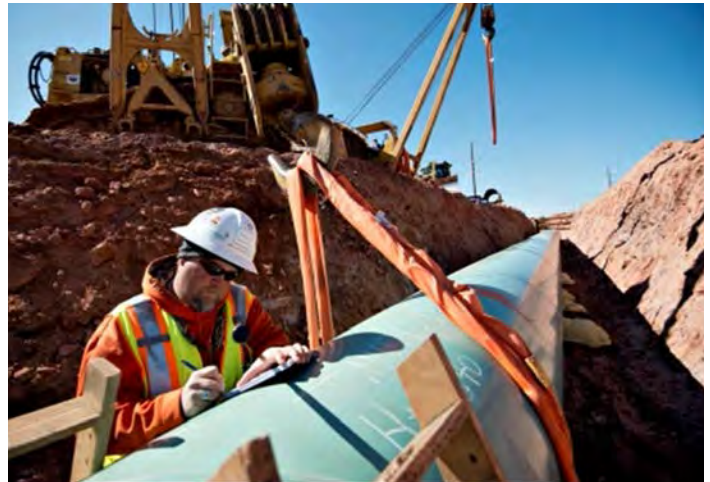
Our approach to construction support services is centered on our established policy of consistent and effective employee oversight. The project manager will closely monitor projects to verify that our construction managers and inspectors are performing within the guidelines of our established management and inspection procedures, which are patterned after the Caltrans Construction Manual. NV5 takes this a step further by formulating and implementing a proactive public relations program and a concerted effort to identify previously unforeseen potential claims.

### COVID-19 SAFETY PROCEDURES

We take the health and safety of our employees and those that they come into contact with high importance. NV5 has instituted field safety protocols based on guidelines from the CDC, WHO and OSHA to help reduce our staff's risk of exposure to COVID-19. All of our field staff are required to wear a facial covering, frequently wash their hands with soap and water or use an alcohol-based hand rub with at least 60% alcohol when water is not available, and practice social distancing when possible.

### COMMUNICATION

Our construction support team will be the point of contact for all project correspondence and communication between the District, the contractor, the design team and other project stakeholders. Our team will be in constant



communication with the District's project manager, making sure he or she has updated information on project status, as well as any on-site or any contractual issues.

### SCHEDULE CONTROL

Our construction support services team gives considerable attention to monitoring project schedules. We will coordinate, review and make recommendations for changes to the Critical Path Method (CPM) schedule generated by the contractor. As changes or discrepancies occur between the CPM schedule and as-built conditions, the project schedule and cost estimates will be updated. We will review the contractor's schedule on a weekly basis and will maintain an as-built/working schedule to reflect as-built conditions to date.

### COST CONTROL AND REPORTING

Cost control is a key element to successfully delivering a project and must be thoroughly integrated with other control methods (scope change control, schedule control and quality control) to assure that the District receives full value for all funds earmarked for the project. Key elements of our cost control program include establishment and maintenance of a project budget; value engineering and constructability reviews of project plans and specifications; sufficient vetting of owner-requested or contractor-generated changes; thorough review and evaluation of change order cost proposals; close monitoring of force account work; and regular maintenance of a change order log. NV5 provides a monthly status report that includes work accomplished during the reporting period, work to be completed during the next reporting period, budget and schedule status, and a summary of issues and concerns pending resolution.

## 2. PROJECT UNDERSTANDING & APPROACH

### BEST MANAGEMENT PRACTICES

Our construction support services team is well-versed in National Pollutant Discharge Elimination System (NPDES) requirements and experienced in implementing best management practices. We will monitor the implementation, maintenance and any required modification of the approved Stormwater Pollution Prevention Plan (SWPPP) and Water Quality Management Plan (WQMP). In the event that the project specifications for developing the SWPPP or WQMP are inadequate and cannot support the project needs or meet current NPDES requirements, we will work closely with the design consultants to incorporate the required provisions into the project specifications to meet these goals. In addition, our team includes Qualified SWPPP Developers and Qualified SWPPP Practitioners.

### MOBILITY

Each member of our construction support services team has access to a mobile office that includes a laptop, internet/email access, mobile phone, mobile project files, digital cameras and other required materials. Our team members are always available via mobile phone and email for easy access and continuous communication.

### IPAD APPLICATION

Our proprietary application is a user-friendly, iPad application used by our inspectors to generate reports, including daily inspection photos. Our inspectors have all been issued an iPad device. The application guides our inspectors, step-by-step to complete and fill out appropriate sections of their daily reports. The application is specially designed to automatically populate weather and site conditions based on the device's GPS location. Drop-down menus for equipment and labor classifications also have been built into the application to assist inspectors in completing and fully accounting for their site observations. There is also a prompt feature that notifies the inspector when any portion of the report is not complete. Daily photos can be taken through the application and will automatically attach to the report. Basic, common information will be carried over from previous days' reports in order to save time filling out a new report each day on



a jobsite. Once reports are uploaded, have been signed, and saved, a PDF version will automatically be uploaded to the NV5 server. A supervisor can approve and finalize the report and request corrections. This application is one of many ways we are working to get the most accurate and timely information to the District.

### CUSTOMER SERVICE AND PUBLIC OUTREACH

Our first line of customer service comes from our inspectors. Our inspectors know the value of maintaining great relations with residents, business owners and anyone affected by a project, and they have proven to be a valuable resource in appeasing public concerns and resolving field issues.

An effective and informative public outreach program that informs all affected residents, property owners and motorists about construction impacts and possible traffic delays is critical to the success of any project.

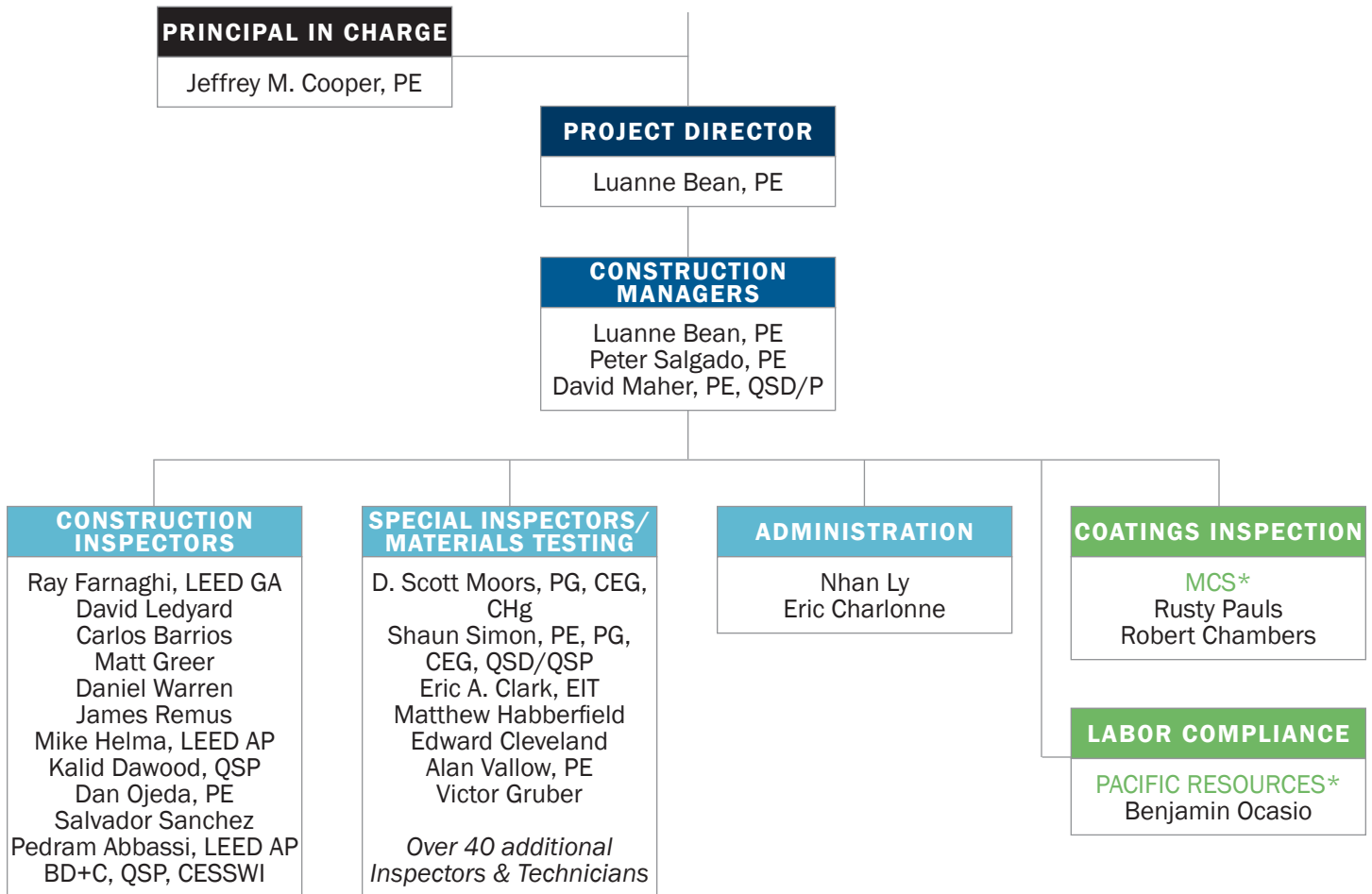
Key elements of our public outreach program can include:

- Verbal and written notifications
- Informational flyers about the project
- Advanced written notices about upcoming work
- Verbal communication follow-up to ease public concerns, enabling residents and business to prepare for any anticipated impacts

# 3. ORGANIZATION CHART & RESUMES

## ORGANIZATION CHART

Our team of experts bring direct, relevant, successful and current experience working on projects of similar scope and complexity. We are equipped with the resources to provide the District with the requested construction management and inspection services. Shown below are team roles and responsibilities.



**NV5 has a deep bench of over 2,000 professionals who can be made available to the District on an as-needed basis. We have the resource capacity to perform work on several projects simultaneously, assuring the successful, timely, and cost effective completion of your projects. Rest assured that NV5 can mobilize quickly to meet any of the District's needs.**

\* SUBCONSULTANT

# 3. ORGANIZATION CHART & RESUMES

## STAFF QUALIFICATIONS

Our team has the ability to deliver quality products on schedule and within budget. Below is a chart that includes names, roles, education, experience, applicable professional licenses and credentials for the proposed team members. Hard copies of professional registrations can be provided upon request. Proposed staff members will be available during the proposed schedule for the task. Resumes can be found starting on **page 9**.

KEY STAFF QUALIFICATIONS			
Name	Role	Years	Education, Certifications & Licenses
<b>Luanne Bean, PE</b>	Project Director + Construction Manager	30	M.S. Civil Engineering B.S. Civil Engineering Civil Engineer (CA) No. 50129 FEMA OPS - I HAZMAT First Responder/Operations Level DOT Offers of Bulk and Non-Bulk HAZMAT Nuclear Waste Safety for Workers
<b>Peter Salgado, PE</b>	Construction Manager	20	B.S. Civil Engineering Civil Engineer (CA) No. 63159
<b>David Maher, PE, QSD/QSP</b>	Construction Manager	14	B.S. Civil Engineering Civil Engineer (CA) No. 86136 Qualified SWPPP Developer Qualified SWPPP Practitioner
<b>Ray Farnaghi, LEED GA</b>	Construction Inspector	17	B.S. Civil Engineering LEED GA
<b>David Ledyard</b>	Construction Inspector	36	A.A. Engineering
<b>Carlos Barrios</b>	Construction Inspector	30	Certified Water Distribution Operator, Grade D5 No. 10282 Certified Water Treatment Operator, Grade T3 No. 21130
<b>Matt Greer</b>	Construction Inspector	14	B.S. Civil Engineering C2 Workzone Traffic Control Certificate OSHA 10-Hour Construction Certificate
<b>Daniel Warren</b>	Construction Inspector	26	Water Distribution Operator Grade III No. 8020 Water Treatment Operator Grade II No. 18940 Recycled Site Supervisor Conversion from Potable to Recycled Water Competent Person Site Survey for Soil Conditions Trench Shoring Certified
<b>James Remus</b>	Construction Inspector	26	Office Management Cross Connection Control and Backflow Prevention and Program Specialist C2 Workzone Traffic Control Certificate OSHA 10-Hour Construction Certificate
<b>Mike Helma, LEED AP</b>	Construction Inspector	30	B.S. Civil Engineering LEED Accredited Professional
<b>Dan Ojeda, PE</b>	Construction Inspector	40	B.S. Civil Engineering Construction Management Certificate Program, UCLA Civil Engineer (CA) No. 36988

### 3. ORGANIZATION CHART & RESUMES

KEY STAFF QUALIFICATIONS			
Name	Role	Years	Education, Certifications & Licenses
<b>Kalid Dawood, QSP, CESSWI</b>	Construction Inspector	36	A.A. Construction Management & GIS Mapping/Survey Safety Trained Supervisor STSC-IX09112 American Construction Inspection Certifications RCI No. 6044; NASSCO No. U-616-07004649; Qualified SWPPP Practitioner No. 24172; Certified Erosion, Sediment and Storm Water Inspector, No. 3315; DYK Tank System Training and Certification Trench & Excavating Competent Person Training and Certificate
<b>Salvador Sanchez</b>	Construction Inspector	30	CA Water Distribution Operator, D5 No. 08546 CA Water Treatment Operator, T4 No. 16793 Water Utilities Sciences Certificate
<b>Pedram Abbassi, LEED AP BD+C, QSP, CESSWI</b>	Construction Inspector	20	B.S. Civil Engineering Qualified SWPPP Practitioner Certified Erosion, Sediment and Storm Water Inspector
<b>D. Scott Moors, PG, CEG, CHG</b>	Special Inspector	28	B.S. Geological Sciences Professional Geologist (CA) No. 6100 Certified Engineering Geologist No. 1901 Certified Hydrogeologist No. 607
<b>Shaun B. Simon, PE, PG, CEG, QSD, QSP</b>	Special Inspector	16	B.S. Civil Engineering B.S. Geological Sciences Registered Civil Engineer (CA) No. 82610 Certified Engineering Geologist (CA) No. 2461 Professional Geologist (CA) No. 8051 Qualified SWPPP Developer Qualified SWPPP Practitioner CASQA Certificate No. 22579
<b>Eric A. Clark, EIT</b>	Special Inspector	1	B.S. Civil Engineering Certified Engineer-In-Training (CA) No. 161738 Cal/OSHA Confined Space Entry Nuclear Density Gauge Certified U.S. D.O.T. Hazmat Certified APNGA Radiation Safety Officer Certification ACI Concrete Field Testing Technician No. 01530775
<b>Matthew Habberfield</b>	Special Inspector	17	DSA Masonry No. 5281 ICC Reinforced Concrete No. 8029830 ICC Prestressed Concrete No. 8029830 ICC Structural Masonry No. 8029830 ICC Structural Steel & Bolting No. 8029830 ICC Fireproofing No. 8029830 ACI Concrete Field Testing Technician Grade 1 No. 01192407 Nuclear Density Gauge Certified
<b>Edward “Kenny” Cleveland</b>	Special Inspector	38	ICC Reinforced Concrete No. 0861029-49 ACI Concrete Field Testing Tech. Grade 1 No. 01079215 Spray-Applied Fire-Proofing No. 0861029-86 Roofing / Waterproofing Nuclear Density Gauge Certified Cal/OSHA Confined Space Entry



### 3. ORGANIZATION CHART & RESUMES

KEY STAFF QUALIFICATIONS			
Name	Role	Years	Education, Certifications & Licenses
<b>Alan Vallow, PE</b>	Special Inspector	35	M.B.A. Emphasis in Organization Behavior M.S. Electrical Engineering B.S. Electrical Engineering Civil Engineer (CA) No. 12618
<b>Victor Gruber</b>	Special Inspector		B.S. Construction Engineering A.S. Building Inspection Technology ICC Certified Accessibility Inspector/Plans Examiner, No. 5244590-21 ICC Certified Building Inspector, No. 5244590 -B5 ICC Certified Building Plans Examiner, No. 5244590-B3 ICC Certified Plumbing Inspector, No. 5244590-P5 ICC Certified Residential Electrical Inspector, No. 5244590-E1 UPC Plumbing Inspector, No. 5244590-34 IAPMO Mechanical Inspector, No. N90940 Certificate of Achievement in Combination Inspection Certificate of Completion for Plan Review
<b>Nhan Ly</b>	Administration	5	B.S. Civil Engineering OCTA Certified: Portland Cement Concrete (PCC) Distress Training OCTA Certified: Asphalt Concrete (AC) Distress Training
<b>Eric Charlonne</b>	Administration	40	Contract Administration Model-netics Supervisor Program Construction Estimating and Public Contract Law Caltrans Resident Engineer Academy
SUBCONSULTANTS			
<b>Rusty Pauls</b> <i>MCS Inspection Group</i>	Coatings Inspection	29	NACE Certified Level III Confined Space Entry (CFR 1910.146); Lead Awareness (CFR 1926.62); Electrical Safety (CFR 1910.303.306); Asbestos Awareness Training; Emergency Response; (CFR 1910.120); Ergonomics, Fire Prevention (CFR 1910.38,.155,.165); First Aid and Blood borne Pathogens (CFR 1910.151.1030); Forklift Training (CFR 1910.178); Hazard Communications (CFR 1910.1200); Lifting Techniques, Lockout/Tag out (CFR 1910.147); Scaffold Training, Machine Guarding (CFR 1910.212); Eye Protection (CFR 1910.132.133); Foot Protection (CFR 1910.132.136); Hand Protection (CFR 1910.132.138); Hearing Conservation (CFR 1910.95); Respiratory Protection (CFR 1910.132.13)
<b>Robert Chambers</b> <i>MCS Inspection Group</i>	Coatings Inspection	20	NACE Level III Coating Inspector No. 115071 Nace International Nace Marine Endorsement; Nace Nuclear Worker Endorsement; SSPC Certified Concrete Coating Inspector C-11 No. 120006; Quality Control Supervisor I 3-6-2010   SSPC; OSHA 30 Hr, OSHA 10 Hr, Em385 1-1, Hazwopper, Aerial Lifts, Confined Space, Respirator, Scaffold Competent Person, Fall Protection, HAZ 1 &2 / Respirator Fit & Med (1 0-2018) Painters Union, Commerce, Ca Lead Training/ C-5 /SSPC; Plural Training/Manufacturer
<b>Benjamin Ocasio</b> <i>Pacific Resources</i>	Labor Compliance Services	25	M.P.A Public Affairs B.S. Urban & Regional PLanning

# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

luanne.bean@nv5.com

## EXPERIENCE

30 years

## EDUCATION

M.S. Civil Engineering

B.S. Civil Engineering

## LICENSES

Civil Engineer (CA)

No. 50129

Former Class A General Engineering Contractor

## REGISTRATIONS

FEMA OPS - I

HAZMAT First Responder/  
Operations Level

DOT Offers of Bulk  
and Non-Bulk HAZMAT  
Packages

Nuclear Waste Safety  
for Workers

## LUANNE BEAN, PE

### Project Director + Construction Manager

Ms. Bean has more than 30 years of experience in the engineering, design, and construction of water and wastewater projects. As a Registered Civil Engineer and a former Class A General Engineering Contractor, Ms. Bean has seen construction from both sides of the fence. Her technical skills include specialized structural analysis and design of large 600 MGD Water Treatment Plants, pipelines up to 12-feet in diameter, mechanical analysis, SCADA & I&C oversight and coordination, diesel generator design and AQMD permitting, the preparation of engineering plans, specifications and cost estimates, as well as construction management. She has held various positions with many public agencies including Structural Discipline Director for Southern Nevada Water Authority's \$6B CIP program where she specialized in structural and forensic analysis, Indio Water Authority as City Engineer, Metropolitan Water District as Project Manager, and FEMA as Project Officer in charge of disaster funding across 3 states and 5 counties. Currently, Ms. Bean has acted as Construction Manager for several of the District's recent projects. Her working knowledge of the District's staff, from the very competent Project Managers to the District's Operations Staff who remain heavily involved throughout all aspects of the project, to the District's processes and procedures, enables our team to provide outstanding cost- and time-efficient services.

### Project Experience

#### Arantine Hills Sewer and Water Infrastructure Projects (Lift Station, Force Main, California Avenue Sewer Main, Potable Water Line)

CITY OF CORONA | CORONA, CA

**Construction Manager.** Ms. Bean oversaw the construction management and inspection services for the \$14.7M, three-phase Arantine Hills sewer and water improvement projects to provide the necessary infrastructure for the Arantine Hills Development project. The project involved the construction of a buried cast-in-place sewer lift station with above-grade controls. This was connected to a second project to construct the sewer force main with fused HDPE pipe via conventional open trench and trenchless jack-and-bore sewer construction along arterial streets and Caltrans ROW, forming 4 miles of pipeline. Relocation of 3,300 LF of potable water line also was required to install the new force mains. A third project managed simultaneously was the construction of the California Avenue Sewer at a depth of 25 feet below grade. All three projects were to be completed together for the final and finished sewer lift station to function. Upon completion of the projects, the City planned to decommission its Water Reclamation Facility No. 3. Coordination with developers was required for the construction of the sewer lift station within their property, and Caltrans was required along certain reaches of the pipeline construction for construction within their ROW.

#### Long Beach Water Department Emergency Project

LONG BEACH WATER DEPARTMENT | LONG BEACH, CA

**Construction Manager.** Ms. Bean oversaw the construction management and inspection services for the completion of an emergency project for the Long Beach Water Department. The project provided LBWD a connection to the Los Angeles County Sanitation District's (LACSD) reclaimed water pipeline. While initially being constructed by a different contractor under the jurisdiction of LACSD, after construction was underway, LACSD's Contractor abandoned the project and LBWD agreed to take over the work. Work involved construction of additional 25-foot-deep shoring within 5 feet



## 3. ORGANIZATION CHART & RESUMES

of the operational LACSD operational plant. Managing high groundwater along with keeping the existing plant operational during construction were just a few of the important construction missions to accomplish.

### Redundant Distribution System Monitoring at Reservoir 1 and Reservoir 2 Pump Stations

MESA WATER DISTRICT | COSTA MESA, CA

**Construction Manager.** Ms. Bean is overseeing the construction management and inspection services for the Redundant System Monitoring at Reservoir 1 and Reservoir 2 Pump Stations. The new system is designed to provide better level monitoring and SCADA control at the two reservoirs. The two reservoirs work together and operate on a single-pressure zone. The project involves tapping each of the 36-inch CMLC pipelines in the pump room of the reservoirs and installing a total of about 200 feet of conduit. These will enable the replacement of the existing pressure instrument with a new pressure-indicating transmitter.

### SGVMWD Interconnect and Site Improvements

CITY OF AZUSA LIGHT AND WATER | AZUSA, CA

**Construction Manager.** Ms. Bean is overseeing construction inspection services for the construction of an interconnection pipeline near the Hsu-Canyon Water Treatment Plant. The project includes installation of pipelines, complete with metering and pressure-reducing flow control; grading; site restoration; striping, street restoration; SCADA; SCADA integration for ALW and SGVMWD; and electrical work. The pipeline is approximately 22 LF of 18-inch Class 350 pipe and 14-inch and 18-inch schedule 40 cement mortar-lined and coated-steel pipe.

### Graves Reservoir Replacement

CITY OF SOUTH PASADENA | SOUTH PASADENA, CA

**Construction Manager.** Ms. Bean provided comprehensive construction management and inspection services on the demolition and construction of a new 1.2-mg partially buried cast-in-place reservoir sited in a residential neighborhood. An existing well was re-equipped as the source of groundwater for the reservoir. The existing well pump was renovated and a new pumping station was constructed with two 1,400-gpm VFD pumps that pump from the reservoir to the City water system. A new sodium hypochlorite generation system, new pre-treatment with state-of-the-art GAC for PCE and CCl<sub>4</sub> removal followed by a new ion exchange system for removal of nitrate as NO<sub>3</sub>, ClO<sub>4</sub> and sulfate was installed. The new pump house is controlled by a PCIS system composed of approximately 80 new instruments with approximately 80 new I/Os. These new signals are routed through the new PLCs, HMIs, and SCADA. The Contractor was required to work with the City's System Integrator subcontracted directly with the City in accordance with the Control Strategies of the Specifications. NV5 provided full-service CMS including construction management, inspection, lead and asbestos demolition oversight, public relations, SRF loan reimbursement management including Buy-American provisions and labor compliance, biological monitoring, and geotechnical and materials testing for this comprehensive project.

### Canyon Lake Water Treatment Plant, Rehabilitation and Repairs (Design-Build)

ELSINORE VALLEY MUNICIPAL WATER DISTRICT | LAKE ELSINORE, CA

**Field Engineer.** Ms. Bean was the Field Engineer for the Canyon Lake WTP Rehabilitation and Repairs Design-Build Project. She was directly responsible as the field engineer for oversight and supervision of construction for the implementation of construction manager at Risk Project Delivery Method. This included the construction management oversight of contractors during pre-construction services, contracting, construction and startup phases. This project involved emergency capital improvements to the 12-mgd Canyon Lake Water Treatment Plant. Complex refurbishment of the 50+ year-old plant included environmental assessments, demolition and installation of new process equipment, and pumps, pipelines and controls systems using a D-P-C delivery method. She was responsible for warranty issues during the one-year warranty period, which included trouble shooting the clarifier, changing out motors, and coordinating with the Owner to ensure the new facility operated to its fullest capacity as designed. With her efforts, she was able to isolate laminar flow problems as a direct result of the Owner running the clarifiers at less than the optimum low water level and handled this situation immediately by raising the water level in the clarifier 3 inches and re-educating the Owner on the proper running of their new WTP.

# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

peter.salgado@nv5.com

## EXPERIENCE

20 years

## EDUCATION

B.S. Civil Engineering

## LICENSES

Civil Engineer (CA)

No. 63159

## PETER SALGADO, PE

### Construction Manager

With more than 20 years of experience, Mr. Salgado has managed and delivered a variety of public works projects, including street improvements, vertical construction and tenant improvements, parks and landscaping improvements, and water, sewer and storm drain improvements. Working with a variety of agencies, he is thoroughly familiar with local, state and federal procedures.

### Project Experience

#### Water Main Replacement Project

CITY OF MANHATTAN BEACH | MANHATTAN BEACH, CA

**Construction Manager.** Mr. Salgado managed this project that encompassed the replacement of approximately 10,261 LF of existing water mains with new 6-inch ductile iron pipe in several locations around the City of Manhattan Beach. The project included installation of five new fire hydrants, reconnection of four existing fire hydrants, and installation of 2-inch water blow-off assemblies at four sewer pump stations. The project also included trench restoration, roadway reconstruction and resurfacing, and traffic signage and striping.

#### Krum Reservoir and Pipeline Stabilization

CITY OF SAN JUAN CAPISTRANO | SAN JUAN CAPISTRANO, CA

**Project Manager.** Mr. Salgado was responsible for overseeing the construction management and inspection team for this \$5.4M project to stabilize an existing reservoir and pipeline impacted by the Avenida Placida Landslide. Scope of work included major remedial grading and the installation of caissons and tie-backs. The project was successfully completed with no major disruptions to the City's water service.

#### Los Angeles Air Force Base Potable Water Backup System

WEST BASIN MUNICIPAL WATER DISTRICT | CARSON, CA

**Construction Manager.** Mr. Salgado managed this project that included the installation of an HDPE prefabricated 2,750-gallon tank supplied by potable water via an air gap at the Los Angeles Air Force Base. Work also included the installation of two pumps, a cement-coated steel transmission pipeline, and two pressure-reducing valves. The tank, pumps and electrical improvements were housed in a concrete masonry unit enclosure with a gate.

#### Bristol Sewer Pump Station Improvements and Jasmine/Mesmer/Overland Sewer Pump Stations Emergency Bypass Improvements

CITY OF CULVER CITY | CULVER CITY, CA

**Construction Manager.** Mr. Salgado managed the rehabilitation of four of the seven pump stations serving the City of Culver City. As a part of the overflow and spillage prevention plan, the Bristol, Jasmine, Mesmer, and Overland Pump Stations were proposed to be retrofitted with an emergency bypass system to be used in the event of pump failures. Additionally, the Bristol Pump Station underwent improvements such as concrete pavement, curb and gutter, block walls, steps, v-ditch, sidewalk, driveway, and the installation of a motorized gate.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

david.maher@nv5.com

## EXPERIENCE

14 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/CERTIFICATES

Civil Engineer (CA)

No. 86136

Qualified SWPPP

Developer

Qualified SWPPP

Practitioner

## DAVID MAHER, PE, QSD/QSP

### Construction Manager

Mr. Maher has more than 14 years of experience with various capital improvement and utility projects. His qualifications include designing various water and wastewater projects, including mechanical, structural, civil elements utilizing CAD software, and project coordination. He has both design and construction management experience with projects, such as sewage treatment plants that included several types of buildings like above-ground and underground concrete tanks, precast concrete manholes, retaining walls, administration buildings, and tankers discharge facilities. He has extensive real-world knowledge in the fields of construction superintendent experience, project cost control, subcontracts management, scheduling and cost estimation, plan checking, and permit coordination.

### Project Experience

#### Arantine Hills Sewer and Water Infrastructure Projects

CITY OF CORONA | CORONA, CA

**Assistant Construction Manager.** Mr. Maher assisted the Construction Manager with the project management tasks of the \$14.7M three-phase Arantine Hills sewer and water improvement projects to provide the necessary infrastructure for the Arantine Hills Development Project. The project involved the construction of a buried cast-in-place sewer lift station with above-grade controls. This was connected to a second project to construct the sewer force main with fused HDPE pipe via conventional open trench and trenchless jack-and-bore sewer construction along arterial streets and Caltrans ROW, forming 4 miles of pipeline. Relocation of 3,300 LF of potable water line also was required to install the new force mains. A third project managed simultaneously was the construction of the California Avenue Sewer at a depth of 25 feet below grade.

#### SGVMWD Interconnect and Site Improvements

CITY OF AZUSA LIGHT AND WATER | AZUSA, CA

**Assistant Construction Manager.** Mr. Maher is assisting the Construction Manager with the project management tasks of the SGVMWD Interconnect and Site Improvements project. His role includes reviewing submittals, responding to RFIs, reviewing change orders, and coordinating with the Engineer, the City and other agencies as needed. The project consists of the construction of an interconnection pipeline, including approximately 18-inch class 350 ductile iron pipe, 14-inch and 18-inch schedule 40 CML&C steel pipe, including valves, connections, abandonments and appurtenances. Work also includes a 14-inch pressure-reducing and flow-control station, and site work that includes concrete vault replacement, pavement replacement, grading and traffic control.

#### Santa Ana Station Refurbishment

MESA WATER DISTRICT | COSTA MESA, CA

**Assistant Construction Manager/Inspector.** Mr. Maher is assisting the Construction Manager with the project management tasks of the Santa Ana Station Refurbishment project. His role includes reviewing submittals, responding to RFIs, reviewing change orders, and coordinating with the Engineer, the District and other agencies as needed. The Santa Ana Station is a pressure-reducing station that reduces high-pressure water (>200 psi) delivered from MWD's high-pressure feeder to a pressure compatible with the City of Huntington Beach and Mesa Water's system. The work includes the demolition of existing spools, valves, pilot tubing, ventilation fans and motors; installation of new spools; and dismantling joints, valves, ladder, fan and motor.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

ray.farnaghi@nv5.com

## EXPERIENCE

17 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/CERTIFICATES

LEED GA

## RAY FARNAGHI, LEED GA

### Construction Inspector

Mr. Farnaghi has more than 17 years of successful demonstrated experience in the construction management and inspection of large-scale and complex projects. Mr. Farnaghi's experience includes several large facility and park renovations and improvements. He understands the balance between working effectively with architects, engineers, contractors, inspectors, and construction crews. He works diligently to ensure that all construction activities have a strategic plan and can offer sensible resolutions to avoid delays.

### Project Experience

#### SGVMWD Interconnect and Site Improvements

CITY OF AZUSA LIGHT AND WATER | AZUSA, CA

**Construction Inspector.** Mr. Farnaghi provided construction inspection services for the SGVMWD Interconnect and Site Improvements project. His role included reviewing submittals, responding to RFIs, reviewing change orders, and coordinating with the Engineer, the City and other agencies as needed. The project consisted of the construction of an interconnection pipeline, including approximately 18-inch class 350 ductile iron pipe, 14-inch and 18-inch schedule 40 CML&C steel pipe, including valves, connections, abandonments and appurtenances. Work also included a 14-inch pressure-reducing and flow-control station, concrete vault replacement, AC pavement resurfacing and reconstruction, PCC sidewalks, curb and gutter.

#### Water Main Replacement

CITY OF COMPTON | COMPTON, CA

**Construction Inspector.** Mr. Farnaghi provided construction observation services for the Water Main Replacement Project, which included the reconstruction and replacement of the City's water distribution pipelines with all appurtenances and service connections. The project included installation of 30,000 feet of new DIP water main ranging from 8 inches to 12 inches in diameter. The project also included installation of 300 new fire hydrants, 1,000 new water services and 30,000 feet of trench paving.

#### Blandwood Road/True Avenue Sewer Lift Station Replacement

CITY OF DOWNEY | DOWNEY, CA

**Construction Inspector.** Mr. Farnaghi was responsible for site observation and construction quality for the City during the replacement of two old sewer lift stations on Blandwood Road and True Avenue with a new wet well submersible type sewer lift station. The project included construction of new sewer gravity and force main lines to deliver from and convey raw sewage to the new station. The project also included the construction of AC pavement, PCC sidewalks, driveways, and curb and gutter.

#### Various Projects

CITY OF GLENDALE DEPARTMENT OF WATER AND POWER | GLENDALE, CA

**Construction Inspector.** Mr. Farnaghi provided construction inspection services to Glendale Water and Power (GWP) for various projects. Our team was contracted to provide construction management and inspection services needed during all pre-construction and construction phases for planning, supervision and quality assurance of project(s) as directed by GWP staff. The projects included construction of several water, wastewater and recycled water projects.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

david.ledyard@nv5.com

## EXPERIENCE

36 years

## EDUCATION

A.A. Engineering

## DAVID LEDYARD

### Construction Inspector

Mr. Ledyard has more than 36 years of engineering and construction inspection experience. He has served as both a supervisory inspector, overseeing permit inspectors, as well as a lead inspector on various capital improvement projects, including street, sewer, water and storm drain improvements. As construction inspector, Mr. Ledyard's responsibilities include site observation and construction quality assurance and control, ensuring general site safety, preparing daily reports, photo documentation, monitoring SWPPP and BMP implementation, providing daily updates to the city project manager, labor compliance and EEO interviews, providing recommendations and responses for contractor RFIs, assisting with submittal and shop drawing reviews, tracking quantities, and assisting with the progress payment reviews.

### Project Experience

#### Lake Avenue Water Main Replacement Project

CITY OF PASADENA | PASADENA, CA

**Construction Inspector.** Mr. Ledyard served as construction inspector on this \$1.5M water improvement project. The scope of work included the installation of approximately 1 mile of 8-inch diameter water main line; installation of all valves, hydrants and appurtenances; reconnection with existing adjacent mains; and reconnection/reconstruction of existing water services.

#### Forest Avenue Water Main Installation

CITY OF PASADENA | PASADENA, CA

**Construction Inspector.** Mr. Ledyard provided inspection services during the replacement of an aging water main along Forest Avenue. The project affected a 3,641-foot stretch of road from Del Monte Street to Lincoln Avenue. Traffic lanes were temporarily closed during construction, but at least one lane remained open in each direction for through traffic. Pasadena Water and Power also worked to place digital reader board signage near the construction areas for commuters to consider alternative routes.

#### Fair Oaks Avenue and Columbia Place Water Improvements

CITY OF PASADENA | PASADENA, CA

**Construction Inspector.** Mr. Ledyard served as construction inspector on this \$2M water improvement project on Fair Oaks Avenue from Bellefontaine Street to State Street, and Columbia Place from State Street to Columbia Street. The scope of work included the installation of approximately 1 mile of 8-inch diameter water main line; reconnection with existing adjacent mains; installation of all valves, hydrants and appurtenances; reconnection with existing adjacent mains; and reconnection/reconstruction of existing water services.

#### Eastside Well Collector Project

CITY OF PASADENA | PASADENA, CA

**Construction Inspector.** Mr. Ledyard served as construction inspector on this \$5M water improvements project. The scope of work included the installation of approximately 4 miles of 16-inch, 20-inch, and 24-inch water mains along Monte Vista Street, Craig Avenue, Foothill Boulevard, Sierra Madre Villa Avenue and Sierra Madre Boulevard. The project also included connections to an existing reservoir and six groundwater wells. He also was responsible for permit coordination and plan reviews.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

carlos.barrios@nv5.com

## EXPERIENCE

30 years

## LICENSES/CERTIFICATES

Certified Water Distribution Operator, Grade D5 #10282

Certified Water Treatment Operator, Grade T3 #21130

## CARLOS BARRIOS, D5, T3

### Construction Inspector

Mr. Barrios is a water/wastewater inspector with more than 30 years of experience in public works. Additionally, Mr. Barrios was a Grade D5 Certified Water Distribution Operator and Grade T3 Certified Water Treatment Operator for the City of Glendale Department of Water & Power. He has a vast knowledge of governmental operations, policies, and procedures. His responsibilities include site observation and construction quality assurance and control, ensuring general site safety, preparing daily reports, photo documentation, monitoring SWPPP and BMP implementation, providing daily updates to the City project manager, and tracking quantities.

### Project Experience

#### Diversion Pipeline

CITY OF CULVER CITY | CULVER CITY, CA

**Construction Inspector.** Mr. Barrios provided construction inspection services for the construction of diversion sewer pipes to abandon Mesmer and Overland Sewer Pump Stations. The goal of the project is to divert flows from four of the City's sewer pump stations to a new sewage pump station, Bankfield Station, which is another project for which NV5 is providing construction management and inspection services during construction.

#### Water Well No. 12 Packer Project

CITY OF SANTA FE SPRINGS | SANTA FE SPRINGS, CA

**Construction Inspector.** Mr. Barrios provided construction inspection services for the removal of an existing pump, well rehabilitation, initial/final video surveys, installation of a test pump, depth discrete water sampling and laboratory analysis, installation of packer(s), pumping test(s) for packer, removal of test pumps, and the re-installation of well the pump.

#### City of Glendale, Department of Water & Power

CITY OF GLENDALE

**Project Manager/Construction Inspector.** Mr. Barrios oversaw site development construction activities at various stages of construction for conformance with plans, specifications, city ordinances, safety regulations, and material standards. He provided daily inspection reports, oversaw construction methods and procedures including the Best Management Practices (BMP's), maintained OSHA standards and the traffic "Watch Manual," and public outreach services. Projects included:

#### Cleaning and Lining

- Inspection for the construction of the Pelanconi Avenue Water Main Cleaning and Lining Project
- Inspection for the construction of the Central Avenue Water Main Cleaning and Lining Project

#### Storm Drain + Sewer

- Inspection for the construction of the Public Work's Project "Fiscal Year 2008/09 Street Rehabilitation Project" which includes the construction of storm drain pipes, catch basins, and manholes; Removal of an existing 18-inch corrugated metal pipe (CMP) and replacement with a 24-inch reinforced concrete pipe (RCP); Removal and replacement of sewer pipes.





# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

matt.greer@nv5.com

## EXPERIENCE

14 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/CERTIFICATES

C2 Workzone Traffic Control Certificate

OSHA 10-Hour

Construction Certificate

## MATT GREER

### Construction Inspector

Mr. Greer has 14 years of experience as a qualified Quality Control Inspection and Construction Engineer with experience in the management and inspection of public works projects. His projects have included sewer and water-related facilities, street rehabilitations, sidewalk improvements, slurry seal projects, landscaping and irrigation, storm drains and vertical construction. He has extensive experience dealing with the public, elected officials, contractors, architects and engineers.

### Project Experience

#### Orchard Hills Water Treatment System

CITY OF IRVINE | IRVINE, CA

**Construction Inspector.** Mr. Greer served as Construction Inspector for this \$3M project, which consisted of the precise grading of five basins averaging 150,000 square feet, construction of maintenance roads and ramps, concrete overflow and spillway structures and an irrigation system.

#### Staff Augmentation Inspection Services

IRVINE RANCH WATER DISTRICT | IRVINE, CA

**Construction Inspector.** Mr. Greer is providing inspection services for domestic water, recycled water and sanitary sewer projects for the Irvine Ranch Water District. His duties include tracking project progress, inspection of grade and alignment of the water districts utilities, inspection of the testing and approving the installation of the water districts utilities, creating and maintaining the daily reports and project files, inspection of PCC structures such as manholes, thrust blocks and overflow, headwall, spillway, vehicle crossing and outflow PCC structures for NTS Basins.

#### Bette Davis Recycled Water Design-Build Project

CITY OF GLENDALE | GLENDALE, CA

**Construction Inspector.** Mr. Greer provided inspection services for this \$2.8M project completed through a single Design-Build Entity (DBE). The project generally consists of construction of new 8-inch PVC recycled water transmission line to Bette Davis Park. The final portion of the pipeline will be constructed within the City of Los Angeles and will require permitting and coordination with the City of Los Angeles.

#### Water and Sewer Main Systems

CITY OF CATHEDRAL CITY | CATHEDRAL CITY, CA

**Construction Inspector.** Mr. Greer served as construction inspector for the construction of 30,000 LF of main line VCP sewer, 20,000 LF of VCP sewer laterals, 18,000 LF of 24-inch to 72-inch RCP storm drains, 30,000 LF of DIP water main and 1,000,000 square feet of street improvements.

#### Redwood Trunk Sewer and Lift Station 29

CITY OF OXNARD | OXNARD, CA

**Construction Inspector.** Mr. Greer oversaw the construction of 15,850 LF of 36-inch and 42-inch gravity sewer main, 192 LF of 21.5-inch sewer force main, and 5,015 LF of storm drains for this \$21M project. He also was responsible for the inspection of the new construction of Lift Station 29.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

daniel.warren@nv5.com

## EXPERIENCE

26 years

## LICENSES

Water Distribution Operator Grade III No. 8020

Water Treatment Operator Grade II No. 18940

Recycled Site Supervisor Conversion from Potable to Recycled Water

Competent Person Site Survey for Soil Conditions

Trench Shoring Certified

Underground Utilities Certified

## DANIEL WARREN

### Construction Inspector

Mr. Warren is a water/wastewater inspector with more than 26 years of experience in public works. Additionally, Mr. Warren was a Grade III Water Distribution Operator, and Grade II Water Treatment Operator for the Rowland Water District. He also served as a Construction Inspector for the City of La Habra Heights. Mr. Warren is extremely knowledgeable about the need for the Contractor's conformance to the approved plans and specifications, adherence to field quality control, as well as what the various heavy construction industry standards and construction principles are for water and wastewater systems. Mr. Warren has a significant knowledge of all aspects of public utilities and provides expert quality control for all aspects of potable water, sewer, and recycled water works throughout his execution of his duties as an Inspector.

### Project Experience

#### Well Installation and Treatment

ROWLAND WATER DISTRICT | ROWLAND HEIGHTS, CA

**Inspector.** Mr. Warren provided inspection services for the installation of a water well to treat contamination of the groundwater and return the water source to the recycled water distribution system.

#### Recycled Water Distribution Pipeline Installation (Phase I, II & III)

ROWLAND WATER DISTRICT | ROWLAND HEIGHTS, CA

**Inspector.** Mr. Warren provided inspection services on this project, which installed approximately 8 miles of recycled transmission and distribution mains, valves, services and meters. The project included boring under the Pomona Freeway and the Union Pacific railroad tracks.

#### Arantine Hills Sewer and Water Infrastructure Projects

CITY OF CORONA | CORONA, CA

**Inspector.** Mr. Warren provided inspection services for the \$14.7M three-phase Arantine Hills sewer and water improvement projects to provide the necessary infrastructure for the Arantine Hills Development Project. The project involved the construction of a buried cast-in-place sewer lift station with above-grade controls. This was connected to a second project to construct the sewer force main with fused HDPE pipe via conventional open trench and trenchless jack-and-bore sewer construction along arterial streets and Caltrans ROW, forming 4 miles of pipeline. Relocation of 3,300 LF of potable water line also was required to install the new force mains. A third project managed simultaneously was the construction of the California Avenue Sewer at a depth of 25 feet below grade. All three projects were to be completed together for the final and finished sewer lift station to function. Upon completion of the project, the City planned to decommission its Water Reclamation Facility No. 3. Coordination with developers was required for the construction of the sewer lift station within their property, and Caltrans was required along certain reaches of the pipeline construction for construction within their ROW.

#### Central Service Area Distribution Pipeline Replacement

CITY OF NORWALK | NORWALK, CA

**Inspector.** Mr. Warren provided inspection services on this project, which consisted of upgrading distribution mains, valves, hydrant laterals, hydrants, services and meters.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

james.remus@nv5.com

## EXPERIENCE

28 years

## EDUCATION

Office Management

## LICENSES/CERTIFICATES

Cross Connection Control and Backflow Prevention and Program Specialist

C2 Workzone Traffic Control Certificate

OSHA 10-Hour Construction Certificate

## JAMES REMUS

### Construction Inspector

Mr. Remus has spent more than 28 years as a construction inspector for a variety of pipeline and construction projects. He has worked closely with engineering firms, public agencies and specialists in the fields of biology and archaeology as related to respective projects. Mr. Remus is knowledgeable in a variety of construction activities, including heavy documentation of design/build structures, testing and trench safety.

### Project Experience

#### Cedar Glen Water Treatment Plant Project

LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT | LAKE ARROWHEAD, CA

**Construction Manager.** Mr. Remus' duties included evaluation and development of recommendations for the most cost-effective treatment process to upgrade the existing Cedar Glen WTP to satisfy the surface water treatment regulations and provide a long-term solution for the District's water supply needs.

#### San Luis Rey Wastewater Treatment Plant

CITY OF OCEANSIDE | OCEANSIDE, CA

**Construction Manager.** The project included the expansion and upgrading of the existing San Luis Rey Wastewater Treatment Plant.

#### Emerald Bay Pump Station Project

LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT | LAKE ARROWHEAD, CA

**Construction Manager.** Mr. Remus managed construction of a new intake pumping station to replace the existing pump station at Emerald Bay in order to supply raw water to the Cedar Glen Water Treatment Plant.

#### Annandale Tank

LAKE ARROWHEAD COMMUNITY SERVICES DISTRICT | LAKE ARROWHEAD, CA

**Construction Manager.** Mr. Remus' responsibilities included coordinating special inspection services and geotechnical consultant activities, and reviewing monthly progress payments.

#### Sunnyslope Avenue Pipeline, Junkle Tank and Pump Station

ELSINORE VALLEY WATER DISTRICT | LAKE ELSINORE, CA

**Construction Manager.** The project included the installation of a new pump station, discharge 8-inch potable pipeline through a hilltop residential neighborhood that had limited access and a narrow road, and bolted steel potable water storage tank.

#### Digester Rehabilitation Project

YUCAIPA VALLEY WATER DISTRICT | YUCAIPA, CA

**Construction Inspector.** The project included updating of four digesters that involved media blasting to remove the existing interior and exterior coatings, installing new mixing pumps, replacing water and gas piping and electrical modifications.

#### Aeration Basins 1 and 2 Air Project

ENCINA WASTEWATER AUTHORITY | ENCINA, CA

**Construction Inspector.** The project consisted of removing an aeration header, providing and installing a new stainless steel pipe connection riser, 30-inch isolation valve and an above-ground header.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

mike.helma@nv5.com

## EXPERIENCE

30 years

## EDUCATION

B.S. Civil Engineering

## LICENSES

LEED Accredited Professional

## MIKE HELMA, LEED AP

### Construction Inspector

Mr. Helma has more than 30 years of experience in construction management and inspection with specific expertise in street improvements, sewer, water and storm drain systems, heavy grading, concrete structures, traffic signals, paving and landscaping. He is a LEED Accredited Professional with expertise in the management of large- and small-scale projects, in addition to complex projects. His experience includes serving as an extension of city staff and public works departments, where all assigned projects are completed in a timely and professional manner.

### Project Experience

#### Imperial Highway Crossing & Upgraded Water Mains

GOLDEN STATE WATER COMPANY | NORWALK, CA

**Construction Inspector.** Mr. Helma provided construction inspection services for this project that involved installing 12-inch-by-8-inch tee and gate valves on Imperial Highway and extending 8-inch ductile iron pipe to upgrade water main and fire service on Paddison. The project included installing 735 feet of 8-inch ductile iron pipe along with 6-inch fire hydrant and 12 each – 1-inch domestic water services. The project also included restoring 2,400 square feet of asphalt paving on Imperial Highway and Paddison and required night work on Imperial Highway and coordination with Caltrans. The project was completed in 60 working days per contract.

#### Citywide Sewer Main Replacement

CITY OF TORRANCE | TORRANCE, CA

**Construction Inspector.** Mr. Helma provided construction inspection services for the installation of 12,000 LF of 8-inch cast-in-place plastic (CIPP) sewer liner that was installed in the residential streets of Rolling Hills Estates along with the point repair of 25 areas where the 8-inch sewer had to be replaced prior to lining. The project included the removal and replacement of 90 feet of an 8-inch concrete-encased sewer across an arterial highway. Work was completed within the 60-day schedule.

#### SOCWA Wet Well Rehabilitation Project

CITY OF LAGUNA BEACH | LAGUNA BEACH, CA

**Construction Inspector.** This project involved the rehabilitation of a SOCWA Wet Well. The project included construction of new underground gravity sewer infrastructure, a temporary sewage bypass pumping system of the lift station, rehabilitation of the wet well concrete surfaces and installation of a new PVC liner, installation of a new biological odor control system, replacement of mechanical piping and appurtenances in the drywell, and miscellaneous electrical modifications.

#### Edgewater Sewer Lift Station Replacement

CITY OF HUNTINGTON BEACH | HUNTINGTON BEACH, CA

**Construction Inspector.** Mr. Helma provided construction inspection services for the replacement of the Edgewater Sewer Lift Station. The project consisted of the abandonment and demolition of an existing sewer lift station and construction and installation of a new 1,000-gpm submersible sewage lift station and force main. The project also included installation of new gravity sewer, storm drain, water main, and site restoration. The project was complicated with contaminated groundwater and deep excavations, requiring special shoring methods to control groundwater and limit settlement due to groundwater pumping.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

kalid.dawood@nv5.com

## EXPERIENCE

36 years

## EDUCATION

A.A. Construction Management & GIS Mapping/Survey

## LICENSES

Safety Trained Supervisor STSC-IEX09112

American Construction Inspection Certifications RCI No. 6044

NASSCO No. U-616-07004649

Qualified SWPPP Practitioner No. 24172

Certified Erosion, Sediment and Storm Water Inspector, No. 3315

DYK Tank System Training and Certification

Trench & Excavating Competent Person Training and Certificate



## KALID DAWOOD, QSP, CESSWI

### Construction Inspector

Mr. Dawood has more than 36 years of experience in engineering, construction management and inspection. Mr. Dawood has provided inspection services on a wide variety of Public Works Capital Improvement Projects, including street, sewer, water and storm drain improvements. He also has completed a number of dry utility projects, bridges and overpasses, pump stations, and mass grading projects. He possesses a thorough knowledge of the Caltrans Standard Plans and Standard Specifications, Caltrans Construction Manual, Standard Specifications for Public Works Construction, OSHA requirements, as well as all standards for traffic control. Mr. Dawood also holds a NASSCO certification for CCTV sewer video review and evaluation.

### Project Experience

#### Secondary Effluent and Recycled Water Tank

CITY OF ESCONDIDO | ESCONDIDO, CA

**Construction Inspector.** Mr. Dawood served as Construction Inspector for this \$12M project that consisted of the construction of a reinforced concrete tank and water line and mechanical attachments.

#### Pump Station and Vincent Thomas Bridge Resurfacing

CALTRANS DISTRICT 7

**Construction Inspector.** Mr. Dawood was responsible for overall quality control, daily traffic control implementation and SWPPP measures. The project consisted of resurfacing the existing bridge with polyester concrete and installing a new drainage system and pump station.

#### Springdale Street Water Main Replacement

CITY OF HUNTINGTON BEACH | HUNTINGTON BEACH, CA

**Construction Inspector.** Mr. Dawood served as Construction Inspector on this \$5.8M street and water line rehabilitation project. The scope of work included the replacement of existing 36-inch and 42-inch welded steel water mains at Springdale Street from Warner Avenue to the northern city limits. The project also included trench reconstruction, roadway section repairs and resurfacing, traffic signal modifications, and traffic striping and signage.

#### American Honda Motors (AHM) Irrigation System

WEST BASIN MUNICIPAL WATER DISTRICT

**Construction Inspector.** Mr. Dawood served as Construction Inspector for the reconstruction of AHM's current potable water irrigation system, converting it to a recycled water system; connection and/or disconnection of potable water supplies to/from the existing system; demolishing and/or relocation of backflow preventers; and installation of signs, tags, piping, and related appurtenances.

#### Los Angeles Air Force Base Potable Water Backup System

WEST BASIN MUNICIPAL WATER DISTRICT

**Construction Inspector.** Mr. Dawood served as Construction Inspector for the installation of an HDPE prefabricated 2,750-gallon tank, along with the installation of two pumps, a cement-coated steel transmission pipeline, and two pressure-reducing valves.

# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

daniel.ojeda@nv5.com

## EXPERIENCE

40 years

## EDUCATION

B.S. Civil Engineering

Construction Management  
Certificate Program, UCLA

## LICENSES

Civil Engineer (CA)  
No. 36988

## DAN OJEDA, PE

### Construction Inspector

Mr. Ojeda is a highly qualified professional engineer with 40 years of experience in public works and city engineering with various Southern California public agencies. He has successfully completed numerous small- and large-scale capital improvement projects. He also has extensive experience in land development and permitting; traffic engineering; transportation planning; and grant implementation.

### Project Experience

#### Beaudry Terrace Various Street Water Line Replacement

CITY OF GLENDALE | GLENDALE, CA

**Construction Manager.** Mr. Ojeda provided construction management services for the replacement of an 8-inch ductile iron pipe covering 6,400 LF.

#### Wabasso Avenue Water Line Replacement

CITY OF GLENDALE | GLENDALE, CA

**Construction Manager.** Mr. Ojeda provided construction management services for the replacement of an 8-inch ductile iron pipe covering 400 LF.

#### 24-inch Recycled Water Main Project

CITY OF COMMERCE | COMMERCE, CA

**Construction Manager.** Mr. Ojeda provided construction management services for a 24-inch ductile iron pipe covering 2,000 LF.

#### Imperial Highway Mainline Sewer Replacement (from Atlantic to East City Limits)

CITY OF LYNWOOD | LYNWOOD, CA

**Construction Manager.** Mr. Ojeda provided construction management on this sewer improvement project. The scope of work included replacement of an existing 1,000 LF of 12-inch VCP sewer main; roadway reconstruction and resurfacing; construction of raised, landscaped medians; parkway landscaping; reconstruction of sidewalks, driveways, curb, gutter, and ADA curb ramps; and traffic signage and striping. The project was funded with the American Recovery and Reinvestment Act funds.

#### Citywide Sewer Spot Repairs

CITY OF FONTANA | FONTANA, CA

**Construction Inspector.** Mr. Ojeda provided construction inspection services for citywide sewer spot repairs. The project included 79 spot repairs ranging from 3 feet to 18 feet long, installation of lateral connection seals, pipe cleaning, and pre- and post-construction closed-circuit television (CCTV).

#### Landscape Improvements

CITY OF POMONA | POMONA, CA

**Project/Construction Manager.** This project includes hardscape, tree planting and related work (irrigation, hardscape, needed paving, etc.) for the newly constructed Mission Boulevard/SR-71 overcrossing bridge abutments to enhance aesthetics, reduce erosion, and to supplement the Environmental Enhancement Mitigation Program (EEMP) grant.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

salvador.sanchez@nv5.com

## EXPERIENCE

30 years

## CERTIFICATIONS

CA Water Distribution Operator, D5 No. 08546

CA Water Treatment Operator, T4 No. 16793

Water Utilities Sciences Certificate

## SALVADOR SANCHEZ

### Construction Inspector

Mr. Sanchez is adept at managing and delivering a variety of public works projects, including water, sewer, and storm drain improvements. His skills in the development of project control procedures and methodologies for cost and schedule control have been implemented on several large-scale projects. Mr. Sanchez has accrued more than 30 years of public works experience, demonstrating his expertise in a range of responsibilities, including six years with the City of Riverside, nine years with the City of Pico Rivera and 14 years with the City of Glendale Water Department.

### Project Experience

#### Emergency Project

LONG BEACH WATER DEPARTMENT | LONG BEACH, CA

**Inspector.** Mr. Sanchez provided inspection services for the completion of an emergency project for the Long Beach Water Department. The project provided LBWD a connection to the Los Angeles County Sanitation District's (LACSD) reclaimed water pipeline. While initially being constructed by a different contractor under the jurisdiction of LACSD, after construction was underway, LACSD's Contractor abandoned the project and LBWD agreed to take over the work. Work involved construction of additional 25-foot deep shoring within 5 feet of the operational LACSD operational plant.

#### Various Water and Wastewater Projects

CITY OF GLENDALE DEPARTMENT OF WATER AND POWER | GLENDALE, CA

**Inspector.** Mr. Sanchez was responsible for the management and inspection of several water and wastewater projects over the course of 14 years. Responsibilities included inspecting construction, repair, maintenance and operation of water systems and pumping facilities; supervising pump maintenance mechanics, water distribution operators, water treatment operators, SCADA technicians and water system apprentices; overseeing the operation and maintenance of a Diatomaceous Earth Filter Treatment Plant; preparing for water outages and coordination with City staff and contractors for smooth and efficient outages; implementing necessary changes or postponements of projects as the system dictated; working with water quality staff and health departments on water system sanitary surveys; reviewing and evaluating employee job performance and recommending appropriate personnel action; and recording and reporting monthly to the water superintendent.

#### Recycled Water 16-inch Main Connection

CITY OF GLENDALE DEPARTMENT OF WATER AND POWER | GLENDALE, CA

**Inspector/Water System Supervisor II.** Work included excavating a City-owned 30-inch recycled water main, installing cathodic protection, and the installation of a 16-inch water main with meter and vault.

#### Hidden Valley Denitrification Ponds

CITY OF RIVERSIDE | RIVERSIDE, CA

**Maintenance Mechanic.** Mr. Sanchez was the Maintenance Mechanic for the denitrification of plant effluent water. A series of ponds were designed and built to allow for a natural denitrification process. He was responsible for the design and fabrication of galvanized sheet metal inserts; installation of flow adjustment devices and stainless steel channels; installation of 10-, 20- and 30-inch corrugated piping; and retrofitting diversion structures with small bridge walkways and safety hand rails.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

pedram.abbassi@nv5.com

## EXPERIENCE

20 years

## EDUCATION

B.S. Civil Engineering

## LICENSES

LEED AP BD+C

Qualified SWPPP  
Practitioner

Certified Erosion,  
Sediment and Storm Water  
Inspector

## PEDRAM ABBASSI, LEED AP BD+C, QSP, CESSWI Construction Manager

Mr. Abbassi has successfully completed several large-scale public works improvements projects. His skills in the development of project control procedures and methodologies for cost and schedule control have been implemented on several recent large-scale projects. Mr. Abbassi has accrued more than 20 years of construction industry experience, demonstrating his expertise in a range of responsibilities. He has served as a primary point of contact between design team members, general contractors, and owner representatives.

### Project Experience

#### Walnut Pump Station Building Upgrades

CITY OF SANTA ANA | SANTA ANA, CA

**Construction Manager.** Mr. Abbassi acted as staff for the City of Santa Ana and oversaw the \$8M upgrades of the Walnut Pump Station. This upgrade project included the removal of existing piping, pumps, motors, and valves; demolition of existing 55-year-old masonry structures, including pump station electrical equipment, office and shop facilities, sand trap, carport, perimeter wall, and on-site paving; construction of a new enlarged 3,720-square-foot structure that housed pumps, new electrical equipment, office, and shop facilities; construction of 160-square-foot masonry storage building; construction of motorized valve vaults and appurtenant piping to automate startup sequence for three existing wells; re-routing of 24-inch DIP and CML&C piping around a new storage building with valve goose-neck structure and grated receiving manhole for well startup bypass water disposal; construction of new 8-foot-high perimeter masonry fence wall; construction of new 10-foot-high concrete tennis practice wall; construction of a motorized 8-foot-high by 16-foot-long wrought iron rolling gate; construction of 20-foot by 50-foot by 14-foot-high carport; improvements to retain and recharge stormwater; collapsible radio tower for SCADA purposes; installation of five vertical turbine water pumps; new electrical transformers; construction of new switchgear, motor control center, and well controls; replacement of site wiring and conduits; and regrading and paving of site to provide access to all new equipment, as well as a new streetscape in front of structure.

#### Springdale Street Water Main Rehabilitation

CITY OF HUNTINGTON BEACH | HUNTINGTON BEACH, CA

**Construction Manager.** This \$6M project included improvements to a 36-inch and 42-inch steel water transmission main in Springdale Street and for the rehabilitation of Springdale Street from Warner Avenue to the north city limits.

#### ExxonMobil Recycled Water Service Laterals Project

WEST BASIN MUNICIPAL WATER DISTRICT | LOS ANGELES COUNTY, CA

**Construction Manager.** Mr. Abbassi served as Construction Manager on this \$1.3M project. The scope of work included two 4-inch recycled water service laterals off of West Basin's existing recycled water pipelines on Crenshaw Boulevard and 190th Street to serve the ExxonMobil Torrance Oil Refinery in Torrance. The service laterals were connected to the 12-inch cement mortar-lined and tape-wrapped steel recycled water pipelines utilizing a "hot tap" procedure. Meters were installed on each lateral in accordance with City of Torrance Standard Specifications.





# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

scott.moors@nv5.com

## EXPERIENCE

28 years

## EDUCATION

B.S. Geological Sciences

## LICENSES/CERTIFICATES

Professional Geologist (CA)  
No. 6100

Certified Engineering  
Geologist No. 1901

Certified Hydrogeologist  
No. 607

## AFFILIATIONS

American Concrete  
Institute

American Society of Civil  
Engineers

Association of  
Environmental &  
Engineering Geologists

American Public Works  
Association

California Asphalt  
Pavement Association

California Council of  
Testing and Inspection  
Agencies



## D. SCOTT MOORS, PG, CEG, CHG

### Special Inspection

Mr. Moors is an experienced, multi-disciplinary business and project manager with notable expertise in geotechnical engineering, construction quality assurance, materials testing, seismic hazard evaluation, geotechnical review, landslide studies, groundwater studies, pavement evaluation, and environmental remediation. In addition to Mr. Moors' management expertise, he has 25 years of technical expertise in municipal consulting, project management, and engineering and environmental geology. Mr. Moors has overseen construction inspection & materials testing of multi-story buildings, over a dozen highway bridges, more than 1 million tons of asphalt pavement and has presented short courses on Pavement Maintenance & Rehabilitation for the American Public Works Association.

### Project Experience

#### Concrete Evaluation — Morro Bay Wastewater Treatment Plant

MORRO BAY, CA

**Project Principal/Project Manager.** Mr. Moors served as Project Principal/Project Manager for non-destructive field testing and sampling concrete from various elements of the plant. Field testing included Ground Penetrating Radar, Schmidt Hammer testing and chipping hammer survey. Lab testing included compression testing and petrographic examination per ASTM C856.

#### Sycamore Canyon Dam Modification

SIMI VALLEY, CA

**Project Manager/Principal Geologist.** Mr. Moors served as Project Manager and Principal Geologist for geotechnical evaluation of proposed spillway modifications. He also evaluated ASR-affected concrete through petrographic examination.

#### Big Tijuana Dam Abutment Stability Evaluation

LOS ANGELES COUNTY, CA

**Project Manager/Principal Geologist.** Mr. Moors served as Project Manager and Principal Geologist for the rock-slope stability evaluation of the left abutment of California's seventh-largest concrete-arch dam. He provided detailed geologic assessment using rope-access mapping techniques and probabilistic static and seismic slope stability evaluations.

#### Wooley Drain Crack Seal Evaluation

OXNARD, CA

**Project Principal/Project Manager.** Mr. Moors served as Project Principal/Project Manager for forensic investigation to quantify the extent of penetration of pressurized crack seal injection previously completed by the contractor. Field sampling included sampling concrete cores in confined space entry conditions. Laboratory analysis included stereo microscopic examination of bisected core samples to determine the percentage of sealant penetration.

#### Rose Bowl Concrete Evaluation & Renovation

PASADENA, CA

**Project Principal/Project Manager.** Mr. Moors scoped, planned and oversaw execution of concrete core sampling and testing and in a subsequent phase renovation design and preparation of plans and specifications for concrete rehabilitation work.

# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

shaun.simon@nv5.com

## EXPERIENCE

16 years

## EDUCATION

B.S. Civil Engineering

B.S. Geological sciences

## LICENSES/CERTIFICATES

Registered Civil Engineer (CA) No. 82610

Certified Engineering Geologist (CA) No. 2461

Professional Geologist (CA) No. 8051

Qualified SWPPP Developer

Qualified SWPPP Practitioner

CASQA Certificate No. 22579

## AFFILIATIONS

Association of Engineering Geologists

American Society of Civil Engineers

American Public Works Association

Coast Geological Society

## SHAUN B. SIMON, PE, PG, CEG, QSD, QSP

### Special Inspection

Shaun Simon has over 16 years in the geotechnical, construction materials testing and inspection industry. Mr. Simon has extensive experience in geotechnical consulting, and inspection and construction observation and materials testing of private and public construction projects. Mr. Simon has extensive experience in field and laboratory testing of soil, rock, and construction materials, including aggregate base, asphaltic concrete materials and pavement surfacing materials, concrete, and steel used in projects for Public Works projects, Caltrans, DSA school projects, OSHPD Hospital projects, and private development projects. He also maintains Caltrans, AAP/AMRL/AASHTO, and CCRL accreditations for the laboratory testing facilities. Mr. Simon's experience includes geotechnical exploration, design, and construction testing; field testing of compacted fill, subgrade, base, and asphalt materials; and inspection of pavement resurfacing materials.

### Project Experience

#### Camarillo Drain /Camarillo Conference Center

CITY OF CAMARILLO | CAMARILLO, CA

Mr. Simon provided management and technical direction of a geotechnical design study for the replacement of open channel reinforced concrete storm drain channel with two rectangular box channels to provide a contiguous area for a proposed regional conference center.

#### City of Thousand Oaks – Pavement Resurfacing

CITY OF THOUSAND OAKS | THOUSAND OAKS, CA

Mr. Simon provided management of laboratory testing of construction materials used in pavement resurfacing, including Asphalt Rubber Hot Mix, Microsurfacing, Cape Seal, and Asphalt Rubber Aggregate Membrane.

#### Goleta Beach Bridge Replacement

COUNTY OF SANTA BARBARA | GOLETA, CA

Mr. Simon provided management of field and laboratory testing of construction materials used in construction of new bridge to replace the existing bridge structure.

#### Calleguas Bike Path

CITY OF CAMARILLO | CAMARILLO, CA

Mr. Simon provided management of field and laboratory testing of bike and pedestrian path improvements, including testing of engineered fill, subgrade, base, and concrete.

#### County of Ventura – Pavement Resurfacing

COUNTY OF VENTURA | LOCATION CITY, ST

Mr. Simon provided management of field and laboratory testing of construction materials used in pavement resurfacing including microsurfacing, Asphalt Rubber Hot Mix, and Asphalt Rubber Aggregate Membrane.

#### Dignity Health – St. Johns RMC – ED/NICU/L&D Improvements

OXNARD, CA

Mr. Simon provided management of laboratory and field testing of construction materials used in improvements/additions to existing facilities.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

eric.clark@nv5.com

## EXPERIENCE

1 year

## EDUCATION

B.S. Civil Engineering

## LICENSES/CERTIFICATES

Certified Engineer-In-Training (CA) No. 161738

Cal/OSHA Confined Space Entry

Nuclear Density Gauge Certified

U.S. D.O.T. Hazmat Certified

APNGA Radiation Safety Officer Certification

ACI Concrete Field Testing Technician No. 01530775

## ERIC A. CLARK, EIT

### Special Inspector

Eric Clark is certified as an Engineer-In-Training through the State of California Board of Professional Engineers, Land Surveyors, and Geologists. Mr. Clark has been involved in multiple projects and has gained experience in laboratory and field testing using ASTM and CTM test methods, as well as experience performing a variety of inspections.

### Project Experience

#### Arroyo Conejo North Fork

COUNTY OF VENTURA | THOUSAND OAKS, CA

Mr. Clark performed field exploration and environmental sampling of ground and surface water for hydrological evaluation.

#### Naval Base Ventura County — Taxiway Charlie Rehab

NAVAL BASE VENTURA COUNTY | POINT MUGU, CA

Mr. Clark performed laboratory and field testing of freshly mixed concrete pavement using ASTM test methods for over 600 flex beams for concrete runway pavement. Field activities included testing of temperature, slump, density, air content, and material sampling following Navy specifications. He tested cement stabilized subgrade, cement treated base, 22,000 CY of concrete and concrete aggregates.

#### Ventura County Watershed Protection District Debris Basins

VENTURA COUNTY, CA

Mr. Clark performed environmental sampling of basin sediments prior to removal and off-site disposal. Provided chemical analyses to characterize waste sediment for off-site disposal.

#### Conejo Valley Unified School District

THOUSAND OAKS, CA

Mr. Clark performed field inspection and testing using a nuclear density gauge of native and imported soil.

#### Mitchell Road Interchange Project

CITY OF CERES | CERES, CA

Mr. Clark performed laboratory testing of field exploration samples under ASTM standards, including Modified Proctor Compaction, Atterberg Limits, Sieve Analysis, and Direct Shear testing.

#### Naval Base Ventura County — Roofing Project

NAVAL BASE VENTURA COUNTY | PORT HUENEME & POINT MUGU, CA

Performed single and two-story roof inspections for repair and replacement of existing concrete tile and asphalt shingle roofs. Worked closely with roofing contractor inspecting tearoff, substrate repairs, flashing, felting, and asphalt shingle replacements to ensure compliance with Unified Facilities Criteria (UFC) Roofing requirements.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

matthew.habberfield@nv5.com

## EXPERIENCE

17 years

## LICENSES/CERTIFICATES

DSA Masonry No. 5281

ICC Reinforced Concrete No. 8029830

ICC Prestressed Concrete No. 8029830

ICC Structural Masonry No. 8029830

ICC Structural Steel & Bolting No. 8029830

ICC Fireproofing No. 8029830

ACI Concrete Field Testing Technician Grade 1 No. 01192407

Nuclear Density Gauge Certified

## MATTHEW HABBERFIELD

### Special Inspector

Mr. Habberfield has been in the construction industry for over 17 years and has provided Public Works inspection and special inspections for over six years. Inspections performed have ranged from Public Works Infrastructure, DSA schoolhouse, OSHPD hospital, commercial, industrial and private residential inspection. He is a multi-card inspector currently holding eight certifications. He will collaborate closely with the project IOR and QA manager and will oversee and coordinate NV5's field inspection and testing program. His versatility, personable demeanor and excellent communications skills make him an ideal inspector for large and complex construction projects

### Project Experience

#### 2014 Resurfacing Program – MI 2007

CITY OF THOUSAND OAKS | THOUSAND OAKS, CA

**Lead Public Works Inspector.** Mr. Habberfield served as the Lead Public Works Inspector for the City of Thousand Oaks on its 1,000,000+ SY pavement resurfacing project comprising Microsurfacing-over-ARAM Cape Seal, Microsurfacing, REAS Slurry Seal, and ARHM Overlay. He identified, field marked and inspected the repair of 65,000 SY of digout locations. He inspected 600,000 SY Cape Seal, 150,000 SY Microsurfacing, and 360,000 SY REAS Slurry Seal. He performed inspection and testing for ARHM Overlay and performed daily spread rate measurements and materials sampling for ARAM and microsurfacing.

#### Fillmore Fire Station – Station No. 27

VENTURA COUNTY FIRE DEPARTMENT | FILLMORE, CA

**Lead Inspector.** Mr. Habberfield served as the Lead Inspector for the new Ventura County Fire Station No. 27. He provided soils, reinforcing steel, concrete, masonry, epoxy, and high-strength bolting inspection, along with asphalt laydown and density tests. The \$8.3M project includes the 15,000 SF main building, living quarters for four firefighters and two bulldozer crew members, three apparatus bays, nine dorms, an office, training area and additional space for future expansion.

#### 2015-16 Annual Overlay & Slurry Seal

CITY OF SANTA CLARITA | SANTA CLARITA, CA

**Inspection/Testing Supervisor.** Mr. Habberfield served as the inspection and testing supervisor for the Slurry Seal and Pavement Recycling Overlay portion of the project, providing full-time public works inspections and testing of grinding, digout repairs, slurry placement stripping, traffic control, and sampling and testing staff. In addition to Matt's inspection and testing duties, he coordinated additional inspection and testing staff on these projects of up to 7 personnel per day.

#### Rose Avenue Resurfacing & Repairs

CITY OF OXNARD | OXNARD, CA

**Materials Tester and Assistant Public Works Inspector** for arterial pavement resurfacing project comprising 88,000 SY ARAM as a SAMI, 11,000 tons ARHM Rubberized Overlay, and 18,000 SY Type II Slurry Seal. Performed spread rate measurements for ARAM including asphalt rubber and aggregate, performed materials testing and sampling



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

edward.cleveland@nv5.com

## EXPERIENCE

38 years

## LICENSES/CERTIFICATES

ICC Reinforced Concrete  
No. 0861029-49

ACI Concrete Field Testing  
Tech.

Grade 1 No. 01079215

Spray-Applied Fire-Proofing  
No. 0861029-86

Roofing / Waterproofing

Nuclear Density Gauge  
Certified

Cal/OSHA Confined Space  
Entry

## AFFILIATIONS

ACI-American Concrete  
Institute

Ironworkers Local 416

ICC-International Code  
Council

## EDWARD “KENNY” CLEVELAND

### Special Inspector

Mr. Cleveland has been in the construction trade since 1979. As a foreman his work history included large parking structures, industrial buildings, DSA school and University projects. Duties as a special inspector have included inspection of reinforcing steel, concrete placement, precast concrete, concrete batch plant, shotcrete/gunite, non-shrink grouting, fireproofing, epoxy, expansion anchor inspection, roofing/waterproofing inspection and floor flatness testing on numerous OSHPD and DSA projects. Kenny has also worked as a field technician performing field density testing on soils and asphalt

### Project Experience

#### Oxnard College Lrc Renovation & Seismic Upgrade – (03-115037)

OXNARD, CA

Mr. Cleveland served as Special Inspector for the Learning Resource Center Renovation and Seismic Upgrade. The project consists of an existing 44,000 GSF, 1 story building with an open mezzanine. Inspection included fireproofing application and pull testing of anchor wires.

#### Applied Technology Center / General Purpose Classrooms / Health

VENTURA, CA

Ventura Community College new construction of three multi-story steel framed buildings, approximately 95,000-s.f. Mr. Cleveland performed concrete placement inspection, ACI concrete technician, including air entrained lightweight concrete. Inspection and sampling of non-shrink grout along with fireproofing sampling and inspection. Cost of project \$30,200,000. DSA Field Engineer – Andy Widjaja.

#### Ruben Castro Human Services Center

MOORPARK, CA

New construction of 25,000-s.f. Human Services Center. Mr. Cleveland performed all concrete inspection, ACI concrete technician and grout inspection below base plates. Performed floor flatness testing, along with rebar inspection and epoxy inspection throughout the duration of the project.

#### 2014 Resurfacing Program

THOUSAND OAKS, CA

Public Works Inspector for 600,000 SY pavement surfacing project comprising Cape Seal, Microsurfacing and REAS Slurry Seal. Identified and field marked 61,000 SY digout locations. Inspecting 500,000 SY Cape Seal, 150,000 SY Microsurfacing, and 360,000 SY REAS Slurry Seal.

#### Health Science Center – (03-111305)

MOORPARK, CA

New construction of the Moorpark Community College 2-story, 37,442-GSF Health Science building. Mr. Cleveland performed all relative moisture humidity testing, ph testing, fireproofing and pull testing of anchor wires.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

Alan.Vallow@nv5.com

## EXPERIENCE

35 years

## EDUCATION

M.B.A. Emphasis in  
Organization Behavior

M.S. Electrical Engineering

B.S. Electrical Engineering

## LICENSES/CERTIFICATES

Civil Engineer (CA)

No. 12618

## ALAN VALLOW, PE

### Special Inspector

Mr. Vallow has more than 35 years of experience providing electrical engineering and construction management services to public and private sector clients. He is experienced working with substation, electric transmission and high voltage projects as well as the application of state, federal and local codes, NERC/ FERC, and California Public Utilities Commission regulations for these projects. Mr. Vallow has developed and implemented many programs, including arc flash hazard programs and battery storage systems.

### Project Experience

#### Santa Ana Station Refurbishment

MESA WATER DISTRICT | COSTA MESA, CA

**Electrical Inspector.** Mr. Vallow served as Electrical Inspector for the Santa Ana Station Refurbishment project. The Santa Ana Station is a pressure-reducing station that reduces high-pressure water (>200 psi) delivered from MWD's high-pressure feeder to a pressure compatible with the City of Huntington Beach and Mesa Water's system. The work included the demolition of existing spools, valves, pilot tubing, ventilation fans and motors; installation of new spools; and dismantling joints, valves, ladder, fan and motor. Work included site improvements, such as AC pavement, ramp, curb and gutter.

#### Stanton Energy Reliability Center (SERC)

CALIFORNIA ENERGY COMMISSION | W POWER

**Electrical Engineer.** Mr. Vallow provided electrical plan review for the Stanton Energy Reliability Center (SERC). The project consists of two General Electric (GE) LM6000-based EGTs, which is a Hybrid EGT developed by GE and Wellhead Power Solutions. The EGT combines a combustion gas turbine with an integrated battery storage component. The two GE LM6000 PC units are natural gas-fired and has a simple-cycle combustion turbine, a clutch to provide operational flexibility as a synchronous condenser, and an integrated 10 MW GE Battery Energy Storage System. In total, the project will have 98 MW (nominal) of EGT capacity. As DCBO, NV5 will act on behalf of the California Energy Commission (CEC) and will provide independent review of the final design and inspections of the construction to verify compliance with applicable engineering Laws, Ordinances, Regulations and Standards (LORS), the local building codes, the California Building Code, and the Facility Design, Geology, Workers Safety, Transmission System Engineering and other Conditions of Certification. In addition, safety, HAZMAT, NPDES and SWPPP monitoring during construction will be provided

#### Huntington Beach Energy Project

CALIFORNIA ENERGY COMMISSION/AES

**Plan Review Engineer.** Mr. Vallow served as Plan Review Engineer for this project that includes the provision of Delegate Chief Building Official (DCBO) duties performed on behalf of the California Energy Commission. The project scope includes engineering and construction of a 640 MW air-cooled, combined-cycle project. Activities will include demolition of the remaining portions of a decommissioned peaker, the removal of a fuel oil tank and additional, auxiliary structures/equipment. Containment berms will be demolished, and the area will be rough-graded to a flat surface. As DCBO, NV5 will act on behalf of the California Energy Commission (CEC) and will provide independent review of the final design and inspections of the construction to verify compliance with applicable engineering Laws, Ordinances, Regulations and Standards (LORS).



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

victor.gruber@nv5.com

## EXPERIENCE

30 years

## EDUCATION

B.S. Construction Engineering

A.S. Building Inspection Technology

## LICENSES/CERTIFICATES

ICC Certified Accessibility Inspector/Plans Examiner, No. 5244590-21

ICC Certified Building Inspector, No. 5244590-B5

ICC Certified Building Plans Examiner, No. 5244590-B3

ICC Certified Plumbing Inspector, No. 5244590-P5

ICC Certified Residential Electrical Inspector, No. 5244590-E1

UPC Plumbing Inspector, No. 5244590-34

IAPMO Mechanical Inspector, No. N90940

Certificate of Achievement in Combination Inspection

Certificate of Completion for Plan Review

## VICTOR GRUBER

### Special Inspector

Mr. Gruber has more than 30 years of experience providing services to the construction industry. He has served as a residential, commercial and industrial inspector for various public and private entities. Mr. Gruber is a resourceful, analytical and detail-driven individual who is capable of completing multiple projects with strict deadlines. He has excellent working knowledge of construction concepts, including the ability to analyze data to develop and interpret codes. He exercises independent judgment and decision making in the diagnosis and resolution of problems.

### Project Experience

#### Santa Ana Station Refurbishment

MESA WATER DISTRICT | COSTA MESA, CA

**Electrical Inspector.** Mr. Gruber served as Electrical Inspector for the Santa Ana Station Refurbishment project. The Santa Ana Station is a pressure-reducing station that reduces high-pressure water (>200 psi) delivered from MWD's high-pressure feeder to a pressure compatible with the City of Huntington Beach and Mesa Water's system. The work included the demolition of existing spools, valves, pilot tubing, ventilation fans and motors; installation of new spools; and dismantling joints, valves, ladder, fan and motor. Work included site improvements, such as AC pavement, ramp, curb and gutter.

#### Huntington Beach Energy Project

CALIFORNIA ENERGY COMMISSION/AES

**Lead On-site Inspector.** Mr. Gruber acts as the Lead On-site Inspector for the HBEP project, which includes the provision of Delegate Chief Building Official (DCBO) duties performed on behalf of the California Energy Commission. NV5 performs independent review of the final design and inspections of the construction to verify compliance with applicable engineering laws, ordinances, regulations, and standards (LORS), local building codes, California Building Code, and the facility design, geology, workers safety, transmission system engineering, and other Conditions of Certification. DCBO duties include design review, plan check, construction inspection, and document control for all applicable engineering disciplines (civil, electrical, structural, mechanical, fire protection, and architectural). In addition, safety, HAZMAT, NPDES, and SWPPP monitoring during construction will be provided.

#### Alamitos Energy Center

CALIFORNIA ENERGY COMMISSION/AES

**Lead On-site Inspector.** Mr. Gruber acts as the Lead On-site Inspector for this project that includes the provision of Delegate Chief Building Official (DCBO) duties performed on behalf of the California Energy Commission. The project scope includes the demo and construction of a 640 MW natural gas-fired, combined-cycle, air-cooled electrical generating facility in Long Beach.



# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

nhan.ly@nv5.com

## EXPERIENCE

5 years

## EDUCATION

B.S. Civil Engineering

## LICENSES/CERTIFICATES

OCTA Certified: Portland Cement Concrete (PCC) Distress Training

OCTA Certified: Asphalt Concrete (AC) Distress Training

## AFFILIATIONS

American Society of Civil Engineers (ASCE)

California Land Surveyors Association (CLSA)

## NHAN LY

### Administration

---

Mr. Ly has more than five years of experience working on various civil/electrical engineering projects throughout California. His professional experience includes preparing construction plans, design services, and cost estimates for various projects. He is proficient in AutoCAD, MicroStations, GIS, Ed Web Viewer, FAA, FFE/EES, SAP, Osmose O-Calc, JPA, and ProjectWise technical software. Mr. Ly is also fluent in Vietnamese and possesses strong management and leadership skills.

### Project Experience

---

#### Diversion Pipeline

CITY OF CULVER CITY | CULVER CITY, CA

**Construction Administration.** Mr. Ly is providing construction administration services for the construction of diversion sewer pipes to abandon Mesmer and Overland Sewer Pump Stations. The goal of the project is to divert flows from four of the City's sewer pump stations to a new sewage pump station, Bankfield Station, which is another project for which NV5 is providing construction management and inspection services during construction.

#### Arantine Hills Sewer and Water Infrastructure Projects

CITY OF CORONA | CORONA, CA

**Construction Administration.** Mr. Ly assisted with construction administration for the \$14.7M, three-phase Arantine Hills sewer and water improvement projects to provide the necessary infrastructure for the Arantine Hills Development Project. The project involved the construction of a buried cast-in-place sewer lift station with above-grade controls. This was connected to a second project to construct the sewer force main with fused HDPE pipe via conventional open trench and trenchless jack-and-bore sewer construction along arterial streets and Caltrans ROW, forming 4 miles of pipeline. Relocation of 3,300 LF of potable water line was also required to install the new force mains. A third project managed simultaneously was the construction of the California Avenue Sewer at a depth of 25 feet below grade. All three projects were to be completed together for the final and finished sewer lift station to function.

#### Graves Reservoir Replacement

CITY OF SOUTH PASADENA | SOUTH PASADENA, CA

**Construction Administration.** Mr. Ly provided construction administration services for the demolition and construction of a new 1.2-mg partially buried cast-in-place reservoir sited in a residential neighborhood. An existing well was re-equipped as the source of groundwater for the reservoir. The existing well pump was renovated and a new pumping station was constructed with two 1,400-gpm VFD pumps that pump from the reservoir to the City water system. A new sodium hypochlorite generation system, new pre-treatment with state-of-the-art GAC for PCE and CCl4 removal followed by a new ion exchange system for removal of nitrate as NO3, ClO4 and sulfate was installed. The new pump house is controlled by a PCIS system composed of approximately 80 new instruments with approximately 80 new I/Os. These new signals are routed through the new PLCs, HMIs, and SCADA. The Contractor was required to work with the City's System Integrator subcontracted directly with the City in accordance with the Control Strategies of the Specifications.





# 3. ORGANIZATION CHART & RESUMES

## CONTACT INFO

eric.charlonne@nv5.com

## EXPERIENCE

40 years

## EDUCATION

Contract Administration

Model-netics Supervisor Program

Construction Estimating and Public Contract Law

Caltrans Resident Engineer Academy

## ERIC CHARLONNE

### Administration

---

Mr. Charlonne has more than 40 years of extensive and diverse experience in municipal engineering and construction management of capital improvement design and construction projects including water, streets, storm drains, sewers, parks and buildings. He is thoroughly knowledgeable in public works contract administration, labor compliance and federal funding administration.

### Project Experience

---

#### Bankfield Sewage Pump Station

CITY OF CULVER CITY | CULVER CITY, CA

**Assistant Construction Manager.** Mr. Charlonne is assisting the Construction Manager in overseeing the construction management and inspection services for the construction of the Bankfield Sewage Pump Station. The new pump station will receive diverted flows from two existing pump stations once construction is complete, and possibly diverted flows from two more pump stations at a later date. The new pump station will have a 10-foot-by-20-foot sewage wet well that is 35 feet deep and constructed in groundwater with watertight shoring. There will be two submersible pumps, a flow meter vault, a valve vault, a bypass vault for the two force mains, and an emergency diesel-fueled backup electrical generator. There also will be a 25-foot-by-20-foot building to house instrumentation and SCADA systems, a bathroom and electrical components.

#### Sunset Beach Water Lines Phase I

CITY OF HUNTINGTON BEACH | HUNTINGTON BEACH, CA

**Construction Manager.** Mr. Charlonne managed this project, which consisted of removing and replacing existing water pipelines, fire hydrants and appurtenances; and also constructing highline pipelines to provide temporary water service during construction.

#### Water Wells 3A and 5

CITY OF HUNTINGTON BEACH | HUNTINGTON BEACH, CA

**Construction Manager.** Mr. Charlonne managed this project, which consisted of demolition of the old facilities and construction of new facilities, including a combination of electrical and natural gas pumps.

#### Peck Reservoir Modifications

CITY OF HUNTINGTON BEACH | HUNTINGTON BEACH, CA

**Construction Manager.** Mr. Charlonne managed this project, which rehabilitated an existing concrete reservoir and modified the existing pumping facility.

#### Reservoir Hill Reservoir and Pump Station

CITY OF HUNTINGTON BEACH | HUNTINGTON BEACH, CA

**Construction Manager.** Mr. Charlonne worked with the developer and the construction manager of the reservoir while he managed an adjoining pump station project.



# 3. ORGANIZATION CHART & RESUMES

MCS Inspection

Inspection Services

## B.1 Resume of Ralph (Rusty) Pauls, President/CEO, MCS Inspection

**Summary of Qualifications:** He is NACE Certified Coating Inspector III (NACE No. 10726), he has over 29 years of experience in the field of reservoir coating/Liner, tank construction, tank management and inspecting; he is Confined Space Entry trained (CFR 1910.146).

**References:** Matt Markowski, (661)-333-6739, Allan Butler, (408)-583-0510, Ron Barton (661) 212-0886

**Training and Certifications:** Mr. Pauls is a NACE Certified Level III Coating Inspector. With more than 29 years of industry experience, Rusty is fully trained and qualified for all coating/Liner inspection needs. He has a wide variety of experience, from centrifugal wheel blasting and priming steel to shop and field fabrication, sand blasting and painting field-erected tanks along with replacing damaged reservoir liners.

Mr. Pauls earned the title of NACE Coating Inspection Technician, then earned the Level 2 title of Coating Inspector. Later that same year in 2003, he earned the prestigious title of a Level 3 Certified NACE Coating Inspector. Since earning his NACE 3 Certification, Rusty has been conducting coating inspections for various water companies around California and Nevada.

In addition, his firm specializes in OSHA compliance with years of experience in administering instructional safety meetings, teaching training courses and conducting site safety inspections, covering the following completed courses: **Confined Space Entry (CFR 1910.146)**; Lead Awareness (CFR 1926.62); Electrical Safety (CFR 1910.303.306); Asbestos Awareness Training; Emergency Response (CFR 1910.120); Ergonomics, Fire Prevention (CFR 1910.38,.155,.165); First Aid and Blood borne Pathogens (CFR 1910.151.1030); Forklift Training (CFR 1910.178); Hazard Communications (CFR 1910.1200); Lifting Techniques, Lockout/Tag out (CFR 1910.147); Scaffold Training, Machine Guarding (CFR 1910.212); Eye Protection (CFR 1910.132.133); Foot Protection (CFR 1910.132.136); Hand Protection (CFR 1910.132.138); Hearing Conservation (CFR 1910.95); Respiratory Protection (CFR 1910.132.13); Accident Investigation Reports Completed; Safety manuals audited for SB198 compliance and updated as needed.

**Relevant Experience:** Rusty has successfully inspected a 3 million gallon water tank project in Benicia June 2017; a 2 million gallon tank project in the city of Modesto August 2019; two 1.3 million gallon water tank projects in Sierra Madre March 2018; three 1 million gallon tanks in the Pechanga Indian Reservation February 2019 ; a half-million gallon tank project for Santa Clarita Water March 2018; a 2.5 million gallon water tank project for the city of Fullerton November 2018; one 5 million gallon water tank project for Coachella Valley Water March 2017; and two 2 million gallon tank projects for Quail Valley July 2016.

Other notable projects include various storage tanks for Chevron/Texaco and 19 tanks for the Brinderson Company (Nations Petroleum). Rusty continues to expand his list of successful projects and inspections.

# 3. ORGANIZATION CHART & RESUMES

MCS Inspection

Inspection Services

## B.2 Resume of Robert Chambers

**Summary of Qualifications:** He is NACE III Certified Coating Inspector (NACE No. 115071) and has over 15-years of experience in Reservoir Coating/Liner and/or inspection.

**References:** Tony Hobbs, (310)-804-2326, Tom Skinner, (909)-717-3064

### Training and Certifications

NACE LEVEL III COATING INSPECTOR #115071

NACE INTERNATIONAL NACE MARINE ENDORSEMENT; NACE NUCLEAR WORKER ENDORSEMENT; SSPC CERTIFIED CONCRETE COATING INSPECTOR C-11#120006; QUALITY CONTROL SUPERVISOR I 3-6-2010 I SSPC; OSHA 30 HR, OSHA 10 HR, EM385 1-1, HAZWOPPER, AERIAL LIFTS, CONFINED SPACE, RESPIRATOR, SCAFFOLD COMPETENT PERSON, FALL PROTECTION, HAZ 1 & 2 / RESPIRATOR FIT & MED (1 0-2018) PAINTERS UNION, COMMERCE, CA

LEAD TRAINING/ C-5 /SSPC; PLURAL TRAINING/MANUFACTURER

Knowledge in the operation of heavy equipment such as: Forklifts, Man lifts, Scissor lifts, Bobcat, Spider Staging, Compressors, Dust collectors, Vac loaders, Generators, Dehumidifiers.

Extensive knowledge with the use of all coating inspection instruments and familiar with most standards including: SP0188-2007 Low Voltage DC Holiday Detector {Sponge}; SP0188-2007 High Voltage DC Holiday Detector; Sling Psychrometer; Psychrometric Tables and Charts; Digital Ambient Condition Gauge; Electronic Surface Contact Thermometers; Magnetic Surface Contact Thermometers; Infrared Thermometers; SSPC-PA2Type1MagneticPull-offOFTGauges; SSPC-PA2Type2DigitalOFTGauges'; WFT COMBS; RP0 287-2002 X-Coarse/Coarse Replica Tape; Anvi Micrometer; Digital Surface Profile Gauge; ISO 8503-2. ISO Comparators Grit/Shot; SPOI78 -2007 Weld Replica Visual Comparator; ASTM D4285 Blotter Test; SSPC-Vis 1 Visual Standard for Abrasive Blast Cleaned Surface; Chloride Tests'; Brestle Patch; Potassium Ferricyanide: Qualitative Test for Water Soluble Salts; Saltsmart meter; Extensive knowledge with the use of Abrasive Sandblasting and Coating application equipment such as: 6 & 8-ton Sandblast pots and down to 1 bag pots; Pneumatic and Electrical Deadman cords and controls; Air compressors and Dryers; Co2 monitors and breathing air hoods; Plural component spray pumps; Airless spray pumps and spray guns; Conventional pots and spray guns; Knowledge of paints and liners from manufactures

### Relevant Experience:

For MCS Inspection Group, Inc., Mr. Chambers is a NACE certified Level 3 Inspector - monitoring all job aspects including safety, production, Quality Control and daily recording of the job. Monitor and enforce all aspects of the coating specification and documentation. Submit daily reports and documentation for all inspections and progress reporting. Mr. Chambers has TWENTY+ (20 +) years of industrial coating experience in surface preparation and coating applications with a professional background and knowledge of Abrasive Blasting, Coating, linings, inspection techniques, equipment set-up and troubleshooting, material, and performing work on various substrates/structures. This experience includes **FIFTEEN plus (15+)** years as NACE Certified Coating Inspector, inspecting storage tanks, digesters, clarifiers, wet wells, pump stations, clarifiers, refineries, and a variety of projects dealing with water, wastewater, gas and oil and wind.

# 3. ORGANIZATION CHART & RESUMES



## **BENJAMIN OCASIO** **Labor Compliance Principal**

### **HIGHLIGHTS**

Benjamin Ocasio’s experience includes providing prevailing wage monitoring services, developing and implement business outreach and local hire programs, and negotiating and implementing Project Labor Agreements for a variety of construction projects.

### **PROJECT EXPERIENCE**

**Labor Compliance and Project Labor Agreement Administrator, Water Replenishment District of Southern California, Pico Rivera, CA, March 2017 to present.**

Responsibilities include providing state and Davis-Bacon prevailing wage monitoring services, implementing and administering the District’s Project Labor Agreement on this more than \$120 million water treatment facility and reporting as required.

**Labor Compliance and Project Labor Agreement Administrator, Santa Monica-Malibu Unified School District, Santa Monica, CA, March 2018 to present.**

Responsibilities include providing prevailing wage monitoring services, implementing and administering the District’s Project Labor Agreement on projects ranging from \$37 to more than \$100 million, and reporting as required.

**Labor Compliance Administrator, Del Richardson & Associates, Inc., Los Angeles Stadium and Entertainment District, Inglewood, CA, August 2016 to present.**

Working under Del Richardson & Associates, Inc., Mr. Ocasio provides technical support on this large-scale construction project. Responsibilities include managing staff, resolving complex labor compliance issues, and preparing a monthly local hire report to the owner.

**Labor Compliance Manager, NV5, Irvine, CA, February 2014 to present.**

Responsibilities comprised of assisting this construction management firm with State and Davis-Bacon prevailing wages on various projects ranging from a water reservoir, public facilities, and street projects. Further activities include representing the City clients during audits with Caltrans, HUD and other funding agencies.

**Labor Compliance Manager, AIMC CS, El Monte, CA, September 2015 to present.**

Responsibilities comprised of assisting this construction management firm with State and Davis-Bacon prevailing wages on various projects street projects and representing the City clients during audits with Caltrans.

**Centinela Valley Union High School District, Lawndale, CA, June 2014 to February 2017.**

Responsibilities include providing prevailing wage monitoring services, implementing and administering the District’s Project Labor Agreement on 3 high school modernization projects with a combined value of over \$130 million.

### **EDUCATION**

University of Southern California

M.P.A, 1983

B.S. Urban and Regional Planning, 1981

## 4. QA/QC PROCEDURES

### QUALITY ASSURANCE AND QUALITY CONTROL

To assure compliance with the plans and specifications, we will implement a comprehensive quality assurance and quality control (QA/QC) program involving the following steps:

- We will perform a thorough review of the contract documents. This responsibility will include the following tasks:
  - Checking plans and specifications against requirements that have been associated with issues that occurred on similar jobs.
  - Comparing existing elevations, grades and details, etc., shown on plans with those at the actual site.
  - Reporting all errors, omissions and deficiencies, etc., to the District and engineering design team.
  - Keeping a marked-up set of plans and specifications for quick reference.
  - Anticipating the Contractor's operations by reviewing the plans and specifications for each one before it begins.
- Before start of construction, we will discuss with the Contractor the definable features of work to assure that documentation is complete, materials are on hand and those who are to perform the work understand the scope in its entirety.
- At the onset of the work, we will perform an initial inspection to determine whether the Contractor thoroughly understands and is capable of accomplishing the work as specified.
- We will assure that the Contractor has an established safety program and that regular safety meetings are conducted. We will also assure that the Contractor meets all OSHA safety requirements.
- The construction inspector will perform follow-up inspections on a daily basis for the purpose of assuring that the controls established during the initial inspection continue to provide work that conforms to the contract requirements and all applicable standards. Unsatisfactory workmanship, materials and construction deficiencies will be documented and reported for future identification and traceability. Notices of non-compliance will be issued to the Contractor and corrective and preventive action will be taken to assure compliance with the contract documents.
- We will conduct a monthly review of the as-built drawings and assure that all items are considered in the changes of the record drawings, including:
  - The size, type and location of existing and new utility lines
  - The layout and schematic drawings of electrical circuits and piping
  - Verification of alignment and cross sections
  - Changes in the location of equipment, etc.
  - Finally, we will review and approve the as-built drawings to complete the project turnover and begin the warranty period.



# 5. SUBCONSULTANTS

## SUBCONSULTANTS

NV5 **Project Director, Luanne Bean, PE**, will lead our proposed team and act as the main point-of-contact for District officials. NV5 will enlist the following subconsultants, shown below, to ensure all requirements of the project are completed by an expert in the field and finished in a timely and cost-effective manner.



**MCS Inspection Group (MCS)** has been in business for over 15 years. They are exceptionally qualified to perform Coating Inspections for your projects.

- MCS is a NACE Certified Inspection Services company.
- MCS has conducted hundreds of water tank inspections for multiple water agencies.
- MCS averages inspecting 35 water storage tanks per year.
- MCS has never been faulted for inferior work.
- MCS has assigned a fulltime staff of 2 NACE Level III qualified inspectors for this contract . An additional 4 NACE level III qualified staff are available if needed.
- MCS has the requisite insurance that meets all requirements.

The mission at MCS is to be the quality, service, technology and value-added leader in its primary areas. MCS's overall goal is to provide our customers with thorough and expert inspections. MCS accomplishes this by educating their employees in the NACE Coating Inspector Program in order to be more efficient and enhance its competitive position.

MCS's services focus on water reservoirs, shop inspection, field inspection, Failure analysis, and dive inspection. MCS combines state-of-the-art calibrated equipment, along with years of experience and training to ensure that all work is performed according to both the project specifications and the product data information.

MCS's inspectors strive to ensure the substrate is properly prepared and clean which increases the quality and thus adds to the longevity of your facility. They take pride in ensuring that each inspection we conduct demonstrates a return on your investment with MCS. MCS Inspectors are skilled professionals. It is vital to MCS that its Inspectors are certified by NACE to ensure that they provide the highest level of performance for you.

MCS Performs third party coating/lining inspection services for Water Storage Reservoirs shop applied coatings and field applied coatings. By providing certified personnel experienced in the construction and inspection of storage tanks, MCS can assure that our clients receive professional service.

**Principal:** Rusty Pauls; rusty@mcsinspectiongroup.com; 805.610.5455



**Pacific Resources Services (PRS)**, a California public benefit corporation, provides California and federal Davis-Bacon prevailing wage monitoring and enforcement services to cities, counties, water districts, school districts, housing authorities, special districts, contractor and individuals.

Benjamin Ocasio is the president of Pacific Resources Services. He has more than 25 years of experience proving labor compliance services, having served as the labor compliance manager for public agencies and third-party labor compliance programs. He has been actively involved in the industry including serving as the third-party labor compliance representative to the California Underground Economy Taskforce.

**Principal:** Benjamin Ocasio; bocasio@pacificresourceservices.com; 626.800.4006

## 6. REFERENCES & PROJECT EXPERIENCE



### ARANTINE HILLS SEWER AND WATER INFRASTRUCTURE PROJECTS (LIFT STATION, FORCE MAIN, SEWER MAIN, POTABLE WATER LINE)

CITY OF CORONA | CORONA, CA

Our team provided construction management and inspection services for the \$14.7M three-phase Arantine Hills sewer and water improvement projects to provide the necessary infrastructure for the Arantine Hills Development Project. The project involved the construction of a buried cast-in-place sewer lift station with above-grade controls. This was connected to a second project to construct the sewer force main with fused HDPE pipe via conventional open trench and trenchless jack-and-bore sewer construction along arterial streets and Caltrans ROW, forming 4 miles of pipeline. Relocation of 3,300 LF of potable water line also was required to install the new force mains. A third project managed simultaneously was the construction of the California Avenue Sewer at a depth of 25 feet below grade.



All three projects were to be completed together for the final and finished sewer lift station to function. Upon completion of the project, the City planned to decommission its Water Reclamation Facility No. 3. Coordination with developers was required for the construction of the sewer lift station within their property, and Caltrans was required along certain reaches of the pipeline construction for construction within their ROW.

**CONSTRUCTION COST:** \$14.7 MILLION

**DATES:** AUGUST 2017-SEPTEMBER 2019

**REFERENCE:** VERNON WEISMAN, DISTRICT ENGINEER, 951.739.4912,  
VERNON.WEISMAN@CORONACA.GOV

#### KEY SERVICES

-  CONSTRUCTION MANAGEMENT + INSPECTION
-  PUBLIC OUTREACH

#### KEY PERSONNEL

LUANNE BEAN  
DAVID MAHER  
KALID DAWOOD  
DANIEL WARREN  
SALVADOR SANCHEZ  
RAY FARNAGHI

## 6. REFERENCES & PROJECT EXPERIENCE



### **BANKFIELD SEWAGE PUMP STATION**

CITY OF CULVER CITY | CULVER CITY, CA

NV5 provided construction management and inspection services for the construction of the Bankfield Sewage Pump Station adjacent to the Caltrans Right-of-Way. The new pump station receives diverted flows from two existing pump stations, and possibly diverted flows from two more pump stations at a later date.

The new pump station has a 10-foot-by-20-foot sewage wet well that is 35 feet deep, constructed in groundwater with a discharge permit to the City of L.A. interceptor since the water was contaminated and RWQCB would not issue a permit to discharge to the storm drain. There are two submersible pumps, a flow meter vault, a valve vault, a bypass vault for the two force mains, and an emergency diesel-fueled backup electrical generator. NV5 assisted with the final design and implementation of the emergency diesel generator, including the AQMD permitting, as the original plans did not accommodate a generator. There is also a 25-foot-by-20-foot building to house instrumentation and SCADA systems, a bathroom and electrical components.

NV5 is also currently providing construction management and inspection services for the construction of diversion sewer pipes to abandon Mesmer and Overland Sewer Pump Stations to divert flows from four of the City's sewer pump stations to the Bankfield Station.

**CONSTRUCTION COST:** \$4.9 MILLION

**DATES:** OCTOBER 2018-AUGUST 2020

**REFERENCE:** HONG WANG, SENIOR CIVIL ENGINEER, 310.253.5604,  
HONG.WANG@CULVERCITY.ORG

### **KEY SERVICES**



CONSTRUCTION MANAGEMENT  
+ INSPECTION

### **KEY PERSONNEL**

LUANNE BEAN  
ERIC CHARLONNE  
DANIEL WARREN  
SALVADOR SANCHEZ  
NHAN LY



## 6. REFERENCES & PROJECT EXPERIENCE



### GRAVES RESERVOIR REPLACEMENT

CITY OF SOUTH PASADENA | SOUTH PASADENA, CA

Our team provided comprehensive construction management and inspection services on the demolition and construction of a new 1.2-mg partially buried cast-in-place reservoir sited in a residential neighborhood. An existing well was re-equipped as the source of groundwater for the reservoir. The existing well pump was renovated, and a new pumping station was constructed with two 1,400-gpm VFD pumps that pump from the reservoir to the City water system.

A new sodium hypochlorite generation system, new pre-treatment with state-of-the-art GAC for PCE and CCl<sub>4</sub> removal followed by a new ion exchange system for removal of nitrate as NO<sub>3</sub>, ClO<sub>4</sub> and sulfate was installed. The new pump house is controlled by a PCIS system composed of approximately 80 new instruments with approximately 80 new I/Os. These new signals are routed through the new PLCs, HMIs, and SCADA. The Contractor was required to work with the City's System Integrator subcontracted directly with the City in accordance with the Control Strategies of the Specifications.






NV5 provided full-service CMS, including construction management, inspection, lead and asbestos demolition oversight, public relations, SRF loan reimbursement management including Buy-American provisions and labor compliance, biological monitoring, and geotechnical and materials testing for this comprehensive project.

**CONSTRUCTION COST:** \$9.3M

**DATES:** AUGUST 2018-AUGUST 2020

**REFERENCE:** ANTENEH TESFAYE, WATER OPERATIONS MANAGER, 626.460.6393, ATESFAYE@SOUTHPASADENACA.GOV

#### KEY SERVICES

-  CONSTRUCTION MANAGEMENT + INSPECTION
-  PUBLIC OUTREACH
-  BIOLOGICAL MONITORING
-  LABOR COMPLIANCE
-  GEOTECHNICAL + MATERIALS TESTING

#### KEY PERSONNEL

LUANNE BEAN  
ERIC CHARLONNE  
DAVID MAHER  
NHAN LY

## 6. REFERENCES & PROJECT EXPERIENCE

Additional Project Experience	
Project Name & Client	Project Description
<p><b>1235 ft. Backbone Improvement Project (Calabasas Pipeline)</b> Las Virgenes Municipal Water District</p>	<p>NV5 provided construction materials testing services, including soils and asphalt testing for this ~9,600 water pipeline improvement project including materials qualification testing, soils backfill inspection and compaction testing and asphalt concrete testing. Our inspectors and technicians provided timely and cost-effective inspection services facilitated by our experienced and local staff of Caltrans certified testing technicians and licensed professional engineers and geologist.</p>
<p><b>Tapia Wastewater Treatment Plant Primary Clarifier Rehabilitation Project</b> Las Virgenes Municipal Water District</p>	<p>NV5 provided material evaluation and testing services to evaluate structural concrete degradation in the primary clarifier at Tapia Wastewater Plant. Testing included ground penetrating radar survey, core sampling, compressive strength testing, chipping hammer/acoustic survey, Schmidt Hammer survey, phenolphthalein testing to evaluate depth of carbonation. All work was performed under confined space entry permit with trained personnel.</p>
<p><b>Lakewood Interconnect Phase II</b> Long Beach Water Department</p>	<p>Our team is providing construction management and inspection services for the Long Beach Conjunctive Use Expansion Palo Verde Pipeline project. This project involves the replacement of approximately 50 feet of pipe for the interconnect, the construction of a shallow vault for a mag meter, and an aboveground cla-valve with insertion meters. While cla-valve originally had a hydroelectric generator specified in the original plans and specifications, the generator is not large enough to power all the required devices. NV5 is providing electrical and instrumentation design information to provide a solar panel with battery backup that will completely power all the instrumentation devices, including the radio system, allowing communication back to LBWD's SCADA Central regardless of whether there is water flowing through the pipeline or not.</p>
<p><b>Water Main Replacement</b> City of Manhattan Beach</p>	<p>Our team provided construction management and inspection services for the citywide replacement of old and/or undersized water mains and associated valves to reduce the risk of main breaks and enhance fire suppression flows. New 6-inch ductile iron pipes replaced a total of 10,261 LF of existing water mains. Work also included the installation of five new fire hydrants, reconnection of four existing fire hydrants and the installation of 2-inch water blow-off assemblies at four sewer pump stations. The project also included trench restoration, roadway resurfacing and reconstruction, and traffic signage and striping.</p>
<p><b>Ben Lomond-Kenneth Pipeline</b> Glendale Water &amp; Power Department</p>	<p>The project consisted of the construction of 10,400 lineal feet of new water main and abandoning in place the existing water mains currently in service. The new water mains are 8 inches in diameter and of pressure-class 350 ductile iron material. The work also consisted of replacing all existing fire hydrant assemblies and installing new additional hydrant assemblies to comply with Glendale Fire Department requirements. The project was completed through a single Design-Build Entity (DBE).</p>
<p><b>Emergency Pipeline Project</b> Long Beach Water Department</p>	<p>Our team provided Construction Management and Inspection Services for the completion of an emergency project for the Long Beach Water Department. The project provided LBWD a connection to the Los Angeles County Sanitation District's (LACSD) reclaimed water pipeline. While initially being constructed by a different contractor under the jurisdiction of LACSD, after construction was underway, LACSD's Contractor abandoned the project, and LBWD agreed to take over the work. Work involved construction of additional 25-foot-deep shoring within 5 feet of the operational LACSD operational plant. Managing high groundwater along with keeping the existing plant operational during construction were just a few of the important construction missions to be accomplished.</p>

## 6. REFERENCES & PROJECT EXPERIENCE

Additional Project Experience	
Project Name & Client	Project Description
<b>Diversion Pipeline</b> City of Culver City	Our team is currently providing construction management and inspection services for the construction of diversion sewer pipes to abandon Mesmer and Overland Sewer Pump Stations. The goal of the project is to divert flows from four of the City's sewer pump stations to a new sewage pump station, Bankfield Station, which is another project for which NV5 is providing construction management and inspection services during construction.
<b>Marywood Pump Station</b> City of Orange	Our team provided construction inspection services for the demolition and removal of an existing pump station and the construction of a new pump station. The work included: the construction of a concrete retaining wall and masonry buildings to house pumps and a generator; the installation of two 1,500-gpm, 288-foot TDH, 150 HP vertical turbine pump and motors, VFD drives, instrumentation and controls and SCADA; installation of a stand-by emergency generator and connection; construction of 16-inch CML&C welded steel pipe, fittings and appurtenances; civil site work; demolition and removal of existing pump station; and restoration of existing improvements.
<b>Benson Avenue Sewer Lift Station</b> City of Chino	Our team is providing Construction Management and Inspection services for the Benson Avenue Sewer Lift Station project. Caltrans is replacing three bridges along SR-60 at Pipeline Avenue, Monte Vista Avenue, and Benson Avenue in the City of Chino. As a result of the upcoming replacement of the Benson Avenue Bridge over SR-60, the new bridge will be slightly elevated and prohibit the continued gravity sewer flow through the bridge. A proposed sewer lift station will collect and carry the sewer flows from the Chino Town Square, Portsmouth Street lateral and Philadelphia Street lateral and will pump the flows to an existing 30-inch IEUA sewer line.
<b>Santa Ana Station Refurbishment</b> Mesa Water District	NV5 provided construction management and inspection services for the Santa Ana Station Refurbishment project, which required three 16-inch valves to be replaced. MWD is installing upgraded controls to plug valve actuators, changing out the controls to clay valves, and changing the pressure-relief system, which will put the valve outside to a new pre-fab overflow vault to replace the existing one. In addition, a new driveway approach and parking pad was to be constructed and coordinated with the City of Costa Mesa.
<b>Reservoir 1 &amp; 2 Pump Stations</b> Mesa Water District	NV5 provided construction management and inspection services for the Redundant System Monitoring at Reservoir 1 and Reservoir 2 Pump Stations. The new system is designed to provide better level monitoring and SCADA control at the two reservoirs. The two reservoirs work together and operate on a single-pressure zone. The project involved tapping each of the 36-inch CMLC pipelines in the pump room of the reservoirs and installing a total of about 200 feet of conduit. These will enable the replacement of the existing pressure instrument with a new pressure-indicating transmitter.
<b>Reverse Osmosis Water Treatment Plant</b> City of Beverly Hills	NV5 is serving as the Owner's Representative during the design-build of a pre-treatment system for the City's existing Reverse Osmosis Water Treatment Plant. Our team is overseeing the planning, design and construction, as well as a period whereby the plant will be commissioned, tested, permitted, and City Operations Staff trained prior to project closeout. The project also includes evaluation and necessary upgrades to the entire water supply system. NV5 is also assisting the City with the preparation of all necessary documentation and reports to obtain Division of Drinking Water permits for the project.

# 7. SAMPLE INSPECTION REPORT

## DAILY INSPECTION REPORT

### Inspection Details

Project Title :	ArantimeHillis-ForcoMain_Jun7,2018_113	Contractor :	Trautwein Construction
Inspector :	Sal Sanchez	Report #:	226
Date :	Nov 9, 2018	Day :	Friday
Start Time :	7:00 AM	End Time :	3:30 PM
Working Status :	Day Working	Weather :	Sunny
Temperature :	76 °F	Wind :	5.82 mph
Humidity :	14%	Address:	Bedford Canyon from Foothill to Georgetown

### Controlling Operation(s):

#### Trautwein:

Crews had union meeting in morning until about 8am.  
Set up TC on Foothill.

Day was sunny.

Crews base paved on Foothill Ave they had to set up TC twice to take one lane at a time. Advance warning, transition, work zone buffer, work zone and termination were all placed. Arrow board were used for closed lane. Second contractor MSL working adjacent to Trautwein . Both supervisors communicated and worked together for smooth operation.

Trautwein crews base paved across east bound lanes, removed temp cleaned edges , tached crews used small roller in trench and large roller for finish base paving.

Crews also paved two gas company patches in the intersection of Bedford Canyon at Georgetown.

Crews excavated and shored up 12"HDPE at by-pass by Sewer lift station on Bedford Canyon and Georgetown. P&F Distributors installed to 2- 12" fusion coupling to restore 12" HDPE Line back to normal operation.

Crews compacted and set aggregate, compacted cleaned, tached edges finally base paved.

Crews cleared street by 3:30pm

# 7. SAMPLE INSPECTION REPORT

## Personnel :

Total Personnel : 8

Personnel Classification	Number	Hours	Operation	Company	Name
Foreman	1	8	12"DIP WM	Trautwein Construction	Dylan Kershaw
Foreman	1	8	12" DI /12" hdpe	Trautwein Construction	Luis Castanon
Operator	1	8	12" DIP WM	Trautwein Construction	Kenny Kershaw
Laborer	1	8	12"DI	Trautwein Construction	Joe Castanon
Laborer	1	8	12" DIP WM	Trautwein	Chris Mickey
Laborer	1	8	12"DI WM	Trautwein Construction	Amador Galvan
Pipe Installer	1	8	12"DI	Trautwein Construction	Borris Santana
Truck driver	1	8	12"WM base pave	Trautwein	Rico

## Equipment :

Equipment Classification	Number	Hours	Operation	Company	Details
Dump Truck	1	8	12" DIP water	Trautwein Construction	F350 Foreman's
Air Compressor	1	8	12" potable	Trautwein	C2 Air compressor
Backhoe	1	8	12" potable	Trautwein	B3 Cat 446B
Utility Truck	1	8	12"DI WM	Trautwein Construction	V10
Vactor Trailer	1	8	12"potable	Trautwein Construction	Vermeer Vactor Trailer TR8
Sweeper			12"hdpe basepaving	Trautwein	Taramite Sweeper Roller
Utility Truck	1	8	FH12"potable	Trautwein Construction	F550 V31 w/ TC Trailer
Water Truck			12"potable, 12"HDPE	Trautwein Construction	Peterbuilt T16
Utility Truck	1	8	12"potable	Trautwein	Ford 250 V29
Excavator				Trautwein	excavator EX8

# 7. SAMPLE INSPECTION REPORT

Excavator	1	8	12"WM	Trautwein	JCB EX11
Loader				Trautwein	Cat 950L7 with Zipper grinder
Dump Truck	1	8	12"DIP WM	Castillo Trucking	Super10 Dump Truck
Roller	1	8	base pave	Trautwein	R4 36"

### Notes :

Trautwein crews base paved two Gas Company patches in the intersection of Bedford Canyon at Georgetown.

One trench completely crosses Bedford Canyon about 50 feet north of Boyd needs base paving.  
This trench is from Ferreira Electrical contractor work.

### Issues :

### Punch List / Non-Compliance :

1. Slurry HDPE Air/vac lines by jack in the box
2. Slurry shallow main line at Foothill and Bedford
3. Landscape repair south side of driveway truck entrance to stater bros on Bedford Canyon Road.
4. Repair curb on cul-d-sac cross roads
5. Repair curb and gutter and sidewalk west of crossroads on Foothill
6. Salvage 6"HDPE high line
7. Repair damaged corrugated pipe by recieving pit.
8. Repair sidewalk pullbox station 64+50
9. Clean area around mailbox specifically 6"DI piping, plastic pipe wrap, asphalt spoils and rock.
10. Move tracer wire station at new sewer lift station, out of driveway approach.TRAFFIC BOX.
11. Abandon line at Stator Brothers.

# 7. SAMPLE INSPECTION REPORT

## Special Inspection :

6"HDPE SFM passed pressure test.  
Black 12" HDPE SFM passed pressure test.ok  
Green 12"HDPE SFM passed pressure test.  
12" DI Water Line passed pressure test.

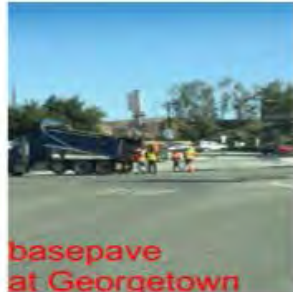
## Material / Equipment Delivery :

## Visitor :

## Safety / Site Impact Concerns :

# 7. SAMPLE INSPECTION REPORT

## Photos :



## Signature :



# 8. CERTIFICATE OF INSURANCE



## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
4/24/2020

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Cavnac & Associates 450 B Street, Suite 1800 San Diego CA 92101	<b>CONTACT NAME:</b> Certificate Department	
	<b>PHONE (A/C, No, Ext):</b> 619-744-0574	<b>FAX (A/C, No):</b> 619-234-8601
<b>E-MAIL ADDRESS:</b> certificates@cavnac.com		
<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
<b>INSURER A :</b> Valley Forge Insurance Company		20508
<b>INSURER B :</b> Continental Casualty Co.		20443
<b>INSURER C :</b> Continental Insurance Company		35289
<b>INSURER D :</b> Transportation Insurance Co.		20494
<b>INSURER E :</b> Berkley Insurance Company		32603
<b>INSURER F :</b>		

**COVERAGES**      **CERTIFICATE NUMBER:** 181577135      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Cross Liab/SevIn <input checked="" type="checkbox"/> \$0 Deductible GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			6057040530	5/1/2020	5/1/2021	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 15,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Stop Gap Liability \$ 1,000,000
B	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			6057040575	5/1/2020	5/1/2021	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0			CUE6076054554	5/1/2020	5/1/2021	EACH OCCURRENCE \$ 20,000,000 AGGREGATE \$ 20,000,000 \$
D	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	WC657040558	5/1/2020	5/1/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
E	Professional/ Pollution Liability			AEC903639504	5/1/2020	5/1/2021	Each Claim \$10,000,000 Aggregate \$20,000,000

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**  
 For Informational Purposes Only. Excess/Umbrella policy follows form over underlying policies: General Liability, Auto Liability & Employers Liability (additional insured and waiver of subrogation apply). Professional Liability - Claims made form, defense costs included within limit.

<b>CERTIFICATE HOLDER</b>  Specimen Certificate	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
---	--

© 1988-2014 ACORD CORPORATION. All rights reserved.

ACORD 25 (2014/01)

The ACORD name and logo are registered marks of ACORD

# 9. SCHEDULE OF RATES AND FEES

## Fee Schedule



Effective for one year after contract is executed. If contract assignment extends beyond one year, rates may be subject to an annual rate increase based upon the Consumer Price Index (CPI), not to exceed 3%.

CONSTRUCTION SERVICES	HOURLY RATE
Senior Construction Manager	\$185
Construction Manager	\$165
Office Engineer	\$120
Project Controls Engineer	\$120
Labor Compliance/Documents Control	\$90
Senior Construction Inspector (Prevailing Wage)	\$135
Construction Inspector (Prevailing Wage)	\$125
Administration	\$90
GEOTECHNICAL/MATERIALS TESTING*	HOURLY RATE
Principal Engineer/Geologist/Consultant	\$195
Senior Engineer/Geologist/Consultant (PE, CEG)	\$170
Project Engineer/Geologist/Consultant	\$150
Senior Staff Engineer/Geologist/Consultant	\$130
Staff Engineer/Geologist/Consultant	\$120
Project Manager	\$130
ICC Special Inspector I / Soil-Asphalt-ACI Technician I (Prevailing Wage)	\$105
ICC Special Inspector II / Soil-Asphalt-ACI Technician II (Prevailing Wage)	\$110
ICC Special Inspector III / Soil-Asphalt-ACI Technician III (Prevailing Wage)	\$115
AWS Certified Welding Inspector I (Prevailing Wage)	\$110
AWS Certified Welding Inspector II (Prevailing Wage)	\$115
Roofing/Waterproofing Inspector I (Prevailing Wage)	\$105
Roofing/Waterproofing Inspector II (Prevailing Wage)	\$110
NDT Technician I (UT/Mag Part./Dye Pen.) (Prevailing Wage)	\$110
NDT Technician II (UT/Mag Part./Dye Pen.) (Prevailing Wage)	\$120
Project Inspector / OSHPD IOR C, DSA PI III (Prevailing Wage)	\$110
Project Inspector / OSHPD IOR B, DSA PI II (Prevailing Wage)	\$115
Project Inspector / OSHPD IOR A, DSA PI I (Prevailing Wage)	\$125
DSA Masonry / Shotcrete Inspection I (Prevailing Wage)	\$115
DSA Masonry / Shotcrete Inspection II (Prevailing Wage)	\$120
Sample Pickup/Delivery	\$65
Saturday Sample Pickup/Delivery	\$98
Machine, truck & 1 operator	\$220
Machine, truck & operator & helper	\$325
Laboratory Technician	\$120
Certified Payroll Admin	\$70
Court Appearance and Depositions	\$295
Clerical	\$60
REIMBURSABLES	COST
Consultant Services	Cost + 15%

\*Our full Geotechnical/Materials Testing fee schedule, including materials and equipment, can be provided upon request or on a task order basis if these services are desired to be utilized by the District.

# 9. SCHEDULE OF RATES AND FEES

Ralph Pauls' Inspection, LLC DBA

## **MCS** INSPECTION

NACE Certified Coating Inspection Services

### RATE SHEET

Ralph Pauls' Inspections, LLC DBA MCS Inspections' services are furnished on the basis of the following terms, in accordance with the following schedule of fees and charges.

- Coating Inspector \$115.37 Per Hour
- SSPC Inspector \$115.37 Per Hour
- Welding Inspector \$115.37 Per Hour
- Project Management \$60.00 Per Hour
- Word Processing/Clerical \$55.00 Per Hour

All inspecting equipment is included in the above charges.

161 Nutwood Circle Paso Robles, CA 93446  
info@mcsinspectiongroup.com 805-610-5455

# 9. SCHEDULE OF RATES AND FEES

## PACIFIC RESOURCES SERVICES RATES

Pacific Resources Services has established the following rates for projects starting after January 2020.

PACIFIC RESOURCES SERVICES – BURDENED LABOR RATES	
Staff	Hourly Rate
Principal	\$134.79
Senior Analyst	\$112.33
Analyst	\$101.09
Staff Support	\$67.40

# 10. LIST OF ASSUMPTIONS & INCLUSIONS/EXCLUSIONS

## **ASSUMPTIONS AND INCLUSIONS/EXCLUSIONS**

None.



November 3, 2020 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: Engineering and External Affairs

**Subject : Smart Irrigation Controller Program for 2021-22: Award**

**SUMMARY:**

On October 23, 2018, the Board accepted a proposal from Rachio, Inc., to implement a Smart Irrigation Controller Give-Away Program in partnership with the District. The program was intended to provide 2,000 irrigation controllers to customers with an emphasis on wasteful water users. Upon the program's completion on June 30, 2020, 2,144 controllers had been installed. The program was completed significantly under budget, largely due to installations being suspended in March 2020 as a result of concerns associated with the COVID-19 pandemic.

The Smart Irrigation Controller Program is an important part of the District's plan to comply with the state's new water-use efficiency standards for "Making Conservation a California Way of Life." On May 19, 2020, staff presented the District's Comprehensive Water Conservation Plan to the Board, which included three different options for continuation of the Smart Irrigation Controller Program. Based on input provided by the Board, staff developed a cost-share program that will require customers to pay \$99 for both the controller and professional installation services. The remaining costs will be covered by the installer's redemption of irrigation controller rebates from the Metropolitan Water District of Southern California and the District's contribution. The program will be implemented over two years a \$250,000 per year budget. All District customers will be eligible for participation in the program, and it is anticipated that approximately 2,400 additional controllers will be installed.

**RECOMMENDATION(S):**

Find that sole-source contracting is warranted due to the unique product, expertise and experience of the recommended vendors, and authorize the General Manager to execute two-year agreements with Valley Soil, Inc., in an amount not-to-exceed \$495,000, for program administration and smart controller installations, and with Rachio, Inc., in an amount not-to-exceed \$5,000, for website maintenance, discounted controllers and administration of customer cost-share payments for the Smart Irrigation Controller Program for 2021-2022.

**FISCAL IMPACT:**

Yes

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

The total cost of the program is not anticipated to exceed \$250,000 per year. Sufficient funds for the first year of the work are available in the adopted Fiscal Year 2020-21 Budget. Funds for the second year of work will be included in the proposed Fiscal Year 2021-22 Budget.

**DISCUSSION:**

The Smart Controller Give-Away Program was initiated in late February 2019 with the first controllers installed in early March of that year. The initial program was primarily intended to address wasteful water use; however, a certain number of the controllers were available to all customers on a first-come, first-serve basis. As a result, the program was structured to provide 80% of the controllers to wasteful water use customers (those who routinely used 200% or more of their water budget) and 20% of the controllers were to be available for the remainder of the District's customers (efficient and inefficient customers). To maximize the distribution of controllers to wasteful water users, a very effective e-mail campaign targeting only wasteful users was implemented and resulted in a controller distribution of 81% to wasteful users and 19% to efficient and inefficient water users.

Continuation of this program with the existing program partners is recommended. Sole-sourcing of program administration and implementation to Valley Soil, Inc., and Rachio, Inc., is warranted for continuation of the program due to their unique product, expertise, and familiarity with development, implementation and success of the previous program. The proposed new cost-share program is recommended to be administered and implemented by the existing installer, Valley Soil, which has satisfactorily provided installations for the previous version of the program. Additionally, there is an advantage to continuing the Smart Controller Program with the same make and model controller for ease of customer service and unique outreach opportunities through a single vendor. Therefore, Rachio, Inc., is proposed to continue providing support and operation of the website registration portal developed for the previous program and will also process customer cost-share payments. Rachio, Inc., will provide these services for a one-time charge of \$5,000 over the two-year term of the program. Valley Soil will become the lead contractor for installation and program administration.

Based upon Board authorization, the program will require customers to provide a cost-share payment of \$99 to Rachio, Inc., who will then provide discounted controllers to Valley Soil. Rachio will maintain the existing web-based registration portal and will be subcontracted by Valley Soil for maintenance of the website and administration of customer cost-share payments. Valley Soil will provide professional installation of the controllers and submit the \$80 Metropolitan Water District of Southern California rebate application on behalf of the customer. Valley Soil will then invoice the District for the remaining amount for both the controller and installation service. Valley Soil will also take the lead for customer service needs and follow-up with customers.

The program will be available to all customers and will be significantly modified from the previous version, which was specifically designed to target wasteful water users. The availability of the program to all customers, even those with efficient water use, has required specific attention to managing the program in such a way as to minimize potential increases in water use for some customers and the associated frustration that could arise from higher water bills. Of particular concern are customers who are extremely efficient and water less than what would typically be needed to maintain vegetative health. These customers are commonly referred to as “deficit irrigators” and will be specifically identified during the registration process.

While the initial program has been deemed an overall success and the vast majority of customers have been satisfied with the performance of their new controllers, staff has identified a number of areas where improvements could be made to make the new proposed program even more effective. Following are proposed additional programmatic changes that would be implemented to maximize customer satisfaction:

- Customer Registration Process – In the previous version of the program, customers were able to verify eligibility, register for participation and schedule an installation appointment on-line. The proposed program will allow customers to verify eligibility and register on the same website used for the previous program. Rather than allowing the customer to schedule an appointment directly on the website, a representative from Valley Soil will contact them within two business days to schedule an appointment. This additional step will provide the opportunity to interact with customers regarding the program, including the need for customers to monitor water use and plant health, and make changes to the controller unit as necessary. This will also provide the opportunity to discuss the applicability of the program with deficit irrigators. Valley Soil will provide a contact number during the call for customers to use if they have questions regarding their installation appointment, controller settings or any needed changes.
- Customer Water Use Classifications – A database of all customers has been developed, which summarizes their water use over the last four years. If a customer has never been out of budget, Valley Soil will caution the customer that installation of the controller might not result in water savings. All customers that fit into this classification will be set on a fixed schedule that mimics their existing controller settings as closely as possible. The controller will still make automatic seasonal adjustments and weather skips for rain and wind events. Customers that are only occasionally over budget will be provided the option for a fixed schedule or a flex monthly schedule. Wasteful customers will be set to a flex monthly schedule. The “flex” setting on the controller makes automatic adjustments to watering times based on evapotranspiration rates whereas the fixed schedule does not (water times the same each day).
- Installer/Rachio Orientation Training – Prior to launch of the next program, all installers will take part in a mandatory orientation with Rachio and District representatives to review program procedures and controller settings. This is intended to assure program continuity and consistency between different installers. The checklist described below will also be reviewed during the orientation to provide more accountability for program procedures and proper controller settings.
- Installation Checklist and Customer Leave-Behind – A checklist will be developed, which will note each of the program procedures and controller settings. This checklist will guide the installation process to help assure that all steps are completed. The checklist will be



reviewed with each customer prior to concluding the installation process. The checklist will include items such as observed deficiencies in the irrigation system, controller settings, need to monitor water use, and the customer support process. The final checkbox will be confirming with customers that each of the checklist items was reviewed with the customer and they understand and agree. The checklist will be left behind with each customer and will have a contact number clearly visible for Valley Soil to provide additional assistance, if needed, as a first point of contact.

- Customer Service – Valley Soil will be the lead for customer service and will be the first point of contact for customer issues. Valley Soil has a staffed office and is able to quickly return customer calls. For weekends and after hour needs, Rachio, Inc. will be the contact. The checklist leave behind will have both numbers. Customers will also be informed on how to address problems as part of the checklist review.
- Customer Education – Development of an on-line class on smart controller functions and operation. Rachio “engagements” will be utilized to reach District Rachio customers to provide them the opportunity to better understand the functions and operation of their controllers.

It is anticipated that the number of wasteful customers, as a percentage of program participants, will change significantly. This is the result of opening the program more broadly to all customers and the fact that wasteful customers willing to take advantage of the program have likely already done so. In fact, it is likely that the percentage of wasteful versus non-wasteful (efficient and inefficient) customers will change from 80% wasteful and 20% non-wasteful to approximately 70% non-wasteful and 30% wasteful. Since wasteful water users comprised a much larger portion of the program participants previously, there was also much greater opportunity to achieve water savings for the previous program. However, based upon estimates of program effectiveness contained in the Comprehensive Water Conservation Plan, non-wasteful customers can still achieve significant water savings on average. While not as significant as wasteful and inefficient customers, efficient customers also have the potential for water savings based upon the changes in the program as described above.

Based upon calculations developed for the Comprehensive Water Conservation Plan, wasteful water use customers conserved an average of 32 units of water per controller installation over similar periods of time before and after installation with the previous program, while non-wasteful customers conserved 13 units of water per controller installed. Assuming 70% of the participants will be non-wasteful customers and 30% will be wasteful customers, with 2,400 controllers installed, it is estimated that this program will conserve 44,880 units of water per year.

### **GOALS:**

Provide Excellent Service That Exceeds Customer Expectations

Prepared by: Dave Roberts, Resource Conservation Manager



November 3, 2020 LVMWD Regular Board Meeting

TO: Board of Directors

FROM: General Manager

---

**Subject : Stationary Emergency Generators for Critical Potable Water Pump  
Stations: Grant Award**

---

**SUMMARY:**

On October 26, 2020, the District received the attached notification from the Federal Emergency Management Agency (FEMA) that its Hazard Mitigation Grant Program application had been approved to install stationary emergency generators at four critical potable water pump stations. The grant award, in the amount of \$1,728,492.75, will cover up to 75% of the total project cost.

**FISCAL IMPACT:**

Yes

**ITEM BUDGETED:**

Yes

**FINANCIAL IMPACT:**

The grant, in the amount of \$1,728,492.75, will offset approximately 75% of the project costs.

**DISCUSSION:**

The Woosley Fire burned through west Los Angeles and east Ventura counties, impacting 66% of the District's service area in November 2018. During the fire event, multiple District facilities experienced power outages affecting the ability to deliver water. To increase the system reliability in the event of future power outages, staff recommends procuring stationary generators at four critical potable water pump stations: Seminole, Cold Canyon, Jed Smith and Twin Lakes. The District has already procured two 200 kW portable emergency generators to increase system reliability during power outages. However, the portable

generators do not have sufficient capacity to operate some of the District's larger pump stations and access to certain sites can be challenging.

In 2019, the District prepared a Local Hazard Mitigation Plan (LHMP) and submitted it to FEMA for approval. Completion of a LHMP is a prerequisite to apply for FEMA Hazard Mitigation Grant Program funds. On January 29, 2020, FEMA approved the District's LHMP. In March 2020, staff prepared and submitted a Hazard Mitigation Grant Program application for installation of stationary emergency generators at four critical potable water pump stations. On October 26, 2020, FEMA approved Hazard Mitigation Grant Program funding, in the amount of \$1,728,492.75, for the work.

**GOALS:**

Ensure Effective Utilization of the Public's Assets and Money

Prepared by: David W. Pedersen, General Manager

**ATTACHMENTS:**

Notification of Hazard Mitigation Grant Program Award

October 26, 2020

Mark S. Ghilarducci, Director  
Governor's Authorized Representative  
California Office of Emergency Services  
3650 Schriever Avenue  
Mather, CA 95655

Reference: Application Approval, HMGP #4407-390-083R  
Las Virgenes Municipal Water District  
Emergency Generators Project  
FIPS #: 037-UIRE8, Supplement #57

Dear Mr. Ghilarducci:

The Federal Emergency Management Agency (FEMA) have approved and issued Hazard Mitigation Grant Program (HMGP) funds for the Las Virgenes Municipal Water District (sub-recipient), HMGP #4407-390-083R, Emergency Generators Project.

The total eligible costs are \$2,304,657. As shown in the enclosed Obligation Report - Supplement #57, we have obligated \$1,728,492.75 for up to 75 percent Federal share; the non-Federal share match is \$576,164.25. These funds are available in SmartLink for eligible disbursements.

This HMGP grant approval and obligation of funds are subject to the following:

- 1. Scope of Work (SOW)** – The Las Virgenes Municipal Water District (MWD) will install four (4) permanent backup generator systems at the Jed Smith, Seminole, Twin Lakes, and Cold Canyon Pumping Stations to provide back-up power in the event of an outage. This action will allow the pump stations to supply adequate water for firefighting, drinking, and other community needs during power outages. The MWD will install permanent, outdoor, standby generator at each of the pumping stations including a noise attenuating enclosure, fuels tanks, underground conduits, concrete generator pad, electrical control panel retrofit with an automatic transfer switch and related appurtenances to safely connect the generator to the station's electric load, and train staff as needed for maintenance and operation.
- 2. Budget Revisions and Cost Overruns** - In accordance with the 2015 Hazard Mitigation Assistance Unified Guidance, Part VI D.3, when budget changes are made, all programmatic requirements continue to apply. Additional information regarding budget adjustments and revisions can be found in 2 CFR Part 200.308. The Recipient must obtain FEMA's prior written approval for any budget revisions.

Cost overruns must be approved by FEMA Region IX before implementation and the subgrant must continue to meet programmatic eligibility requirements, including cost effectiveness and cost share. Additional information can be found in 2 CFR Part 200.

3. **Activity Completion Date** – The work schedule in the application states the project completion time frame is 22 months. We will annotate August 26, 2022 as the project completion date. Please inform the subrecipient that work completed after this date is not eligible for federal funding, and federal funds may be de-obligated for work not completed within schedule for which there is no approved time extension.
4. **Grant Period of Performance** – The Period of Performance (POP) is the period during which the Cal OES is expected to complete all subgrant activities and costs within the grant. For 4407-DR-CA, the POP ends no later than February 11, 2024. POP extensions are approved by FEMA Headquarters. Please refer to Part VI.D.4 of the *Guidance* and advise the Subrecipient; FEMA may de-obligate Federal funds for any work not completed by **August 26, 2022** where no time extension is approved.
5. **National Environmental Policy Act (NEPA)** – This project has been determined to be Categorically Excluded from the need to prepare either an Environmental Impact Statement or Environmental Assessment in accordance with FEMA Instruction 108-1-1 and FEMA Directive 108-1-1 as authorized by DHS Instruction Manual 023-01-001-01, Revision 1. Categorical Exclusion N18 (Federal Assistance for Construction or Installation of Structures) has been applied. Particular attention should be given to the project conditions before and during project implementation. Failure to comply with these conditions may jeopardize federal assistance including funding
6. This award of funds is subject to the enclosed *Standard Hazard Mitigation Grant Program Conditions*, amended August 2018. Federal funds may be de-obligated for work that does not comply with these conditions.

If you have any questions or need further assistance please contact me, or your staff may contact Thomas Berry, Sr. Grants Management Specialist, at [Thomas.Berry@fema.dhs.gov](mailto:Thomas.Berry@fema.dhs.gov), or phone at (510) 627-7180.

Sincerely,

For David Stearrett  
Acting Director  
Mitigation Division  
FEMA Region IX

cc: Jennifer Hogan, State Hazard Mitigation Officer  
Emily Winchell, Cal OES  
Robert Aguilar, Cal OES  
HM Grants Payments, Cal OES

Enclosures (4):  
Obligation Report - Supplement #57  
Project Management Report  
Record of Environmental Considerations  
Standard HMGP Conditions

**FEDERAL EMERGENCY MANAGEMENT AGENCY  
HAZARD MITIGATION GRANTS PROGRAM  
Obligation Report w/ Signatures**

Disaster No	FEMA Project No	Amendment No	State Application ID	Action No	Supplemental No	State	Recipient
4407	83 -R	0	390	1	57	CA	Statewide

Subrecipient: LAS VIRGENES MUNICIPAL WATER DISTRICT    Project Title : 5% Las Virgenes Municipal Water District, Stationary Emergency Generators  
Subrecipient FIPS Code: 037-UIRE8

Total Amount Previously Allocated	Total Amount Previously Obligated	Total Amount Pending Obligation	Total Amount Available for New Obligation		
\$1,728,492.75	\$1,728,492.75	\$0.00	\$0.00		

Project Amount	Subrecipient Management Cost Amount	Total Obligation	IFMIS Date	IFMIS Status	FY
\$1,728,492.75	\$0.00	\$1,728,492.75	10/23/2020	Accept	2021

**Comments**

Date: 10/23/2020    User Id: SSCOTT39

Comment: Approved Funding for Las Virgenes Utility District , Emergency Generators

**Authorization**

Preparer Name: STEVEN SCOTT

Preparation Date: 10/23/2020

HMO Authorization Name: THOMAS BERRY

HMO Authorization Date: 10/23/2020

Authorizing Official Signature	Authorizing Official Title	Authorization Date
Authorizing Official Signature	Authorizing Official Title	Authorization Date

**Project Management Report**

Disaster Number	FEMA Project Number	Amendment Number	App ID	State	Recipient
<b>4407</b>	<b>83 - R</b>	<b>0</b>	<b>390</b>	<b>CA</b>	<b>Statewide</b>

Subrecipient: LAS VIRGENES MUNICIPAL WATER DISTR

FIPS Code: 037-UIRE8

Project Title : 5% Las Virgenes Municipal Water District, Stationary Emergency Generators

**Mitigation Project Description**

**Amendment Status :** Approved

**Approval Status:** Approved

Project Title : 5% Las Virgenes Municipal Water District, Stationary Emergency Generators

**Recipient :** Statewide

**Subrecipient :** LAS VIRGENES MUNICIPAL WATE

Recipient County Name : Los Angeles

Subrecipient County Name : Los Angeles

Recipient County Code : 37

Subrecipient County Code : 37

Recipient Place Name : Los Angeles (County)

Subrecipient Place Name : Los Angeles (County)

Recipient Place Code : 0

Subrecipient Place Code : 99037

Project Closeout Date : 00/00/0000

**Work Schedule Status**

<u>Amend #</u>	<u>Description</u>	<u>Time Frame</u>	<u>Due Date</u>	<u>Revised Date</u>	<u>Completion Date</u>
0	Notice to Proceed and Kick Off Meeting	1w	00/00/0000	00/00/0000	00/00/0000
0	Task 1: Program Management (Entire Duration Phase I)	8m	00/00/0000	00/00/0000	00/00/0000
0	Task 2: Design/Engineering	8m	00/00/0000	00/00/0000	00/00/0000
0	Environmental Review and Permitting (Concurrent with Design)	3m	00/00/0000	00/00/0000	00/00/0000
0	Program Management/Coordination (Entire Duration Phase II)	17m	00/00/0000	00/00/0000	00/00/0000
0	Task 2: Bidding	2m	00/00/0000	00/00/0000	00/00/0000
0	LVMWD Board Approval	1w	00/00/0000	00/00/0000	00/00/0000
0	Task 3: Construction Management	11m	00/00/0000	00/00/0000	00/00/0000
0	Mobilization	2m	00/00/0000	00/00/0000	00/00/0000
0	Task 4: Construction/Inspection	7m	00/00/0000	00/00/0000	00/00/0000
0	Demobilization	1m	00/00/0000	00/00/0000	00/00/0000
0	Project Close-out	1m	00/00/0000	00/00/0000	00/00/0000
0	Grant Close-out	3m	00/00/0000	00/00/0000	00/00/0000

**Approved Amounts**

Total Approved Net Eligible	Federal Share Percent	Total Approved Federal Share Amount	Non-Federal Share Percent	Total Approved Non-Fed Share Amount
\$2,304,657.00	75.000000000	\$1,728,492.75	25.00000000	\$576,164.25

**Allocations**

Allocation Number	IFMIS Status	IFMIS Date	Submission Date	FY	ES/DFSC Support Req ID	ES/DFSC Amend Nr	Proj Alloc Amount Fed Share	Subrecipient Management Cost	Total Alloc Amount
20	A	10/23/2020	10/23/2020	2021	3271424	0	\$1,728,492.75	\$0.00	\$8,380,446.00
<b>Total</b>							<b>\$1,728,492.75</b>	<b>\$0.00</b>	<b>\$8,380,446.00</b>

HAZARD MITIGATION GRANT PROGRAM

Project Management Report

Disaster Number	FEMA Project Number	Amendment Number	App ID	State	Recipient
<b>4407</b>	<b>83 - R</b>	<b>0</b>	<b>390</b>	<b>CA</b>	<b>Statewide</b>

Subrecipient: LAS VIRGENES MUNICIPAL WATER DISTR

FIPS Code: 037-UIRE8

Project Title : 5% Las Virgenes Municipal Water District, Stationary Emergency Generators

**Obligations**

Action Nr	IFMIS Status	IFMIS Date	Submission Date	FY	SFS Support Req ID	SFS Amend Number	Suppl Nr	Project Obligated Amt - Fed Share	Subrecipient Management Cost	Total Obligated Amount
1	A	10/23/202	10/23/2020	2021	3273854	0	57	\$1,728,492.75	\$0.00	\$1,728,492.75
Total								\$1,728,492.75	\$0.00	\$1,728,492.75



RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project HMGP 4407-390-083

Title: Las Virgenes MWD Emergency Generators

NEPA DETERMINATION

Non Compliant Flag: No                      EA Draft Date:                      EA Final Date:  
 EA Public Notice Date:                      EA Fonsi                      Level: CATEX  
 EIS Notice of Intent                      EIS ROD Date:

**Comment** The Las Virgenes Municipal Water District (MWD) plans to install four permanent backup generator systems at the Jed Smith (34.158394, -118.66496), Seminole (34.104454, -118.795245), Twin Lakes (34.262973, -118.619318), and Cold Canyon (34.098803, -118.671998) Pumping Stations to provide back-up power in the event of an outage, so the pump stations may continue to supply adequate water for firefighting, drinking, and other community needs. The Las Virgenes MWD will install permanent, outdoor, standby generator at each of the pumping stations including a noise attenuating enclosure or building, fuels tanks, underground conduits, concrete generator pad, electrical control panel retrofit with an automatic transfer switch and related appurtenances to safely connect the generator to the station's electric load, and train staff as needed for maintenance and operation. The generators will be sized based on supplemental fire flow supplied by the pump stations. - smullner - 09/30/2020 17:36:18 GMT

CATEX CATEGORIES

Catex Category Code	Description	Selected
xx	Programmatic CATEX (xx)	Yes
*n18	(*n18) Federal Assistance for Construction or Installation of Structures, Facilities, or Equipment to Ensure Continuity of Operations. Federal assistance for the construction or installation of measures for the purpose of ensuring the continuity of operations during incidents such as emergencies, disasters, flooding, and power outages involving less than one acre of ground disturbance. Examples include the installation of generators, installation of storage tanks of up to 10,000 gallons, installation of pumps, construction of structures to house emergency equipment, and utility line installation. This CATEX covers associated ground disturbing activities, such as trenching, excavation, and vegetation removal of less than one acre, as well as modification of existing structures.	Yes

EXTRAORDINARY

Extraordinary Circumstance Code	Description	Selected ?
	No Extraordinary Circumstances were selected	

ENVIRONMENTAL LAW / EXECUTIVE ORDER

Environmental Law/ Executive Order	Status	Description	Comment
Clean Air Act (CAA)	Completed	Project is located in a non-attainment area	The project is located in Lo Angeles County that is within a nonattainment area for PM-2.5 (1997, 2006, and 2012), 8-Hr Ozone (2008 and 2015), and Lead (2008) according to the U.S. Environmental Protection Agency (USEPA): <a href="https://www3.epa.gov/airquality/greenbook/anay_o_ca.html">https://www3.epa.gov/airquality/greenbook/anay_o_ca.html</a> updated June 30, 2020. Based on the

19:37:15

## RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project HMGP 4407-390-083

Title: Las Virgenes MWD Emergency Generators

Environmental Law/ Executive Order	Status	Description	Comment
	Completed	Coordination required with applicable state administering agency - Review concluded	scope of work, the potential emissions from project activities are clearly below de minimis thresholds for the General Conformity Rule. Thus, the project is exempt from a conformity determination. See Condition. - smullner - 09/30/2020 17:33:34 GMT
Coastal Barrier Resources Act (CBRA)	Completed	Project is not on or connected to CBRA Unit or otherwise protected area - Review concluded	
Clean Water Act (CWA)	Completed	Project would not affect any water of the U.S. - Review concluded	
Coastal Zone Management Act (CZMA)	Completed	Project is located in a coastal zone area and/or affects the coastal zone	The Las Virgenes Municipal Water District (MWD) is partially located within a coastal zone, so the Cold Canyon generator project may require a coastal development permit (CDP) for construction. The Los Angeles County Planning Department or The City of Calabasas planning department require a design to determine if a CDP is needed. The California Coastal Commission was contacted to help determine if a Consistency Certification (CC) was required for this project. The Las Virgenes MWD is instructed to first check if any coast development permits are required, which as noted above, are currently undetermined until designs are completed and reviewed by the County of Los Angeles or the City of Calabasas planning department. - smullner - 09/30/2020 17:31:57 GMT
	Completed	State administering agency requires consistency review - Review concluded	
Executive Order 11988 - Floodplains	Completed	No effect on floodplain/flood levels and project outside floodplain - Review concluded	The project locations are within Zone D and Zone X. - smullner - 09/30/2020 17:27:18 GMT
Executive Order 11990 - Wetlands	Completed	No effects on wetlands and project outside wetlands - Review concluded	Per the U.S. Fish and Wildlife Service Wetland Mapper viewed on 9/29/2020, the project is located outside of wetlands and not likely to result in any potential direct impacts that will adversely affect wetlands. - smullner - 09/30/2020 17:27:50 GMT
Executive Order 12898 - Environmental Justice for Low Income and Minority	Completed	Low income or minority population in or near project area	The Undertakings associated with this project will result in a beneficial impact to all populations. - smullner - 09/30/2020 17:

19:37:15

## RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project HMGP 4407-390-083

Title: Las Virgenes MWD Emergency Generators

Environmental Law/ Executive Order	Status	Description	Comment
Populations			28:11 GMT
	Completed	No disproportionately high and adverse impact on low income or minority population - Review concluded	
Endangered Species Act (ESA)	Completed	Listed species and/or designated critical habitat present in areas affected directly or indirectly by the federal action	The proposed action is to provide funding to the subrecipient for purchase and installation of four permanent backup generator systems for the Jed Smith, Seminole, Twin Lakes, and Cold Canyon Pumping Stations. All work completed under the proposed action will be within the footprints of existing facilities, located within developed suburban landscapes of unincorporated Los Angeles County and the Cities of Agoura Hills, Calabasas, Hidden Hills, and Westlake Village. These project activities would have No Effects on any federally listed species and/or their Critical Habitat. These actions would result in no impacts to threatened or endangered species and will not destroy or adversely modify suitable natural habitat for any listed or candidate species. It is therefore determined the proposed action would have No Effect on listed species and consultation with the Services under Section 7 of the Endangered Species Act is not required. See attached No Effect memo. - smullner - 09/30/2020 17:29:53 GMT Based on the type of activities as described in the scope of work, this project has been determined to have no effect on Federally listed threatened and endangered species or critical habitat. - smullner - 09/30/2020 17:30:15 GMT
	Completed	No effect to species or designated critical habitat (See comments for justification) - Review concluded	
Farmland Protection Policy Act (FPPA)	Completed	Project does not affect designated prime or unique farmland - Review concluded	
Fish and Wildlife Coordination Act (FWCA)	Completed	Project does not affect, control, or modify a waterway/body of water - Review concluded	
Migratory Bird Treaty Act (MBTA)	Completed	Project located within a flyway zone	Activities associated with this Undertaking do not have the potential to take migratory birds. - smullner - 09/30/2020 17:34:10 GMT
	Completed	Project does not have potential to take migratory birds - Review concluded	

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

Project HMGP 4407-390-083

Title: Las Virgenes MWD Emergency Generators

Environmental Law/ Executive Order	Status	Description	Comment
Magnuson-Stevens Fishery Conservation and Management Act (MSA)	Completed	Project not located in or near Essential Fish Habitat - Review concluded	
National Historic Preservation Act (NHPA)	Completed	Applicable executed Programmatic Agreement. Activity meets Programmatic Allowance (enter date and # in comments) - Review concluded	This Undertaking was reviewed by Marjorie Nowick who meets the Secretary of the Interior's Professional Qualifications for archaeology and architectural history per Stipulation I.B.1.a of the 2019 Programmatic Agreement among FEMA, the California State Historic Preservation Officer (SHPO), and the California Governor's Office of Emergency Services (Cal OES) executed on October 29, 2019 (Agreement). This Undertaking meets Programmatic Allowance II.D.2.a (generator installed in previously disturbed soils) of the Agreement. The Undertaking consists of the purchase and installation of four (4) stationary generators: one each at the Jed Smith, Cold Canyon, Twin Lakes, and Seminole Pump Stations. Given that the indicated location for each generator will be on previously disturbed soils, the Undertaking will meet Allowances, and per Stipulation II.A of the Agreement, no review by or notification to the SHPO is needed. - mnowick - 08/25/2020 19:44:02 GMT
Wild and Scenic Rivers Act (WSR)	Completed	Project is not along and does not affect Wild and Scenic River - Review concluded	

CONDITIONS

Special Conditions required on implementation of Projects:

The Subgrantee is responsible for complying with all applicable subparts of the Clean Air Act. Failure to comply with this condition may jeopardize federal assistance, including funding. Any change to the approved scope of work will require re-evaluation for compliance with the Clean Air Act.

Source of condition: Clean Air Act (CAA)

Monitoring Required: No

This project has been determined to be Categorical Excluded from the need to prepare either an Environmental Impact Statement or Environmental Assessment in accordance with FEMA Instruction 108-1-1 and DHS Instruction 023-01-001-01: Categorical Exclusion N18 (Federal Assistance for Construction or Installation of Structures, Facilities, or Equipment to Ensure Continuity of Operations) has been applied. Particular attention should be given to the project conditions before and during project implementation. Failure to comply with these conditions may jeopardize federal assistance including funding.

Source of condition: NEPA Determination

Monitoring Required: No

Standard Conditions:

RECORD OF ENVIRONMENTAL CONSIDERATION (REC)

**Project** HMGP 4407-390-083

**Title:** Las Virgenes MWD Emergency Generators

---

Any change to the approved scope of work will require re-evaluation for compliance with NEPA and other Laws and Executive Orders.

This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding.

If ground disturbing activities occur during construction, applicant will monitor ground disturbance and if any potential archeological resources are discovered, will immediately cease construction in that area and notify the State and FEMA.

## Standard Mitigation Grant Program (HMGP) Conditions

### FEMA Region IX, August, 2018

The following list applies to Recipients and Subrecipients accepting HMGP funds from the Federal Emergency Management Agency (FEMA) of the Department of Homeland Security (DHS):

1. **Applicable Federal, State, and Local Laws and Regulations.** The Recipient/Subrecipient must comply with all applicable Federal, State, and Local laws and regulations, regardless of whether they are on this list or other project documents. DHS financial assistance Recipients and Subrecipients are required to follow the provisions of the State HMGP Administrative Plan, applicable Hazard Mitigation Assistance Uniform Guidance, and Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards located in Title 2 of the Code of Federal Regulations (CFR) Part 200, adopted by DHS in 2 CFR 3002.
2. **Financial Management Systems.** The Recipient and Subrecipient must maintain financial management systems to account for and track funds, as referenced in 2 CFR 200.302.
3. **Match or Cost Share.** Non-federal match or cost share must comply with 2 CFR 200.306, the scope of work (SOW), and any agreements among the Subrecipient, the Recipient, and FEMA.
4. **Budget Changes.** Unanticipated adjustments are permitted within the approved total cost. However, if costs exceed the federal share, the Subrecipient must notify the Governor's Authorized Representative (GAR) of overruns before implementation. The GAR shall submit a written request for approval to FEMA Region IX. The subaward must continue to meet HMGP requirements, including cost effectiveness and cost share. Refer to 2 CFR 200.308 for additional information.
5. **Real Property and Land.** The acquisition, use, and disposition must comply with 2 CFR 200.311.
6. **Equipment.** The acquisition, use, and disposition must comply with 2 CFR 200.313.
7. **Supplies.** Upon project completion, FEMA must be compensated for unused supplies, exceeding \$5,000 (fair market value), and not needed for other federal programs. Refer to 2 CFR 200.314.
8. **Procurement.** Procurement procedures must be in conformance with 2 CFR 200.318-320.
9. **Monitoring and Reporting Program Performance.** The Recipient and Subrecipient must submit quarterly progress reports, as referenced in the 2 CFR 200.328 and State HMGP Administrative Plan.
10. **Records Retention.** In accordance with 2 CFR 200.333, financial/ programmatic records related to expenditures must be maintained at least 3 years after the date of Recipient's final expenditure report.
11. **Enforcement and Termination.** If the Recipient or Subrecipient fails to comply with the award or subaward terms, whether stated in a Federal statute or regulation, the State HMGP Administrative Plan, subapplication, a notice of award, an assurance, or elsewhere, FEMA may take one or more of the actions outlined in 2 CFR 200.338, including termination or partial termination of the award or subaward outlined in 2 CFR 200.339.
12. **Allowable Costs.** Funds are to be used for allowable costs in compliance with 2 CFR 200.403, the approved SOW, and any agreements among the Subrecipient, Recipient, and FEMA.

13. **Non-Federal Audit.** The Recipient and Subrecipient are responsible for obtaining audits in accordance with the Single Audit Act of 1984, in compliance with 2 CFR 200.501.
14. **Debarred and Suspended Parties.** Recipients and Subrecipients are subject to the non-procurement debarment and suspension regulations implementing Executive Orders 12549 and 12689, and 2 CFR 180. These regulations restrict federal financial assistance awards, subawards, and contracts with parties that are debarred, suspended, or otherwise excluded from or ineligible for participation in the federal assistance programs or activities.
15. **Equipment Rates.** Rates claimed for use of Subrecipient-owned equipment in excess of the FEMA-approved rates must be approved under State guidelines issued by the State Comptroller's Office or must be certified by the Recipient to include only those costs attributable to equipment usage less any fixed overhead and/or profit.
16. **Duplication of Funding between Public Assistance (PA) and HMGP.** Funding for PA Section 406 and HMGP Section 404 are permitted on the same facility/location, but the activities identified under each program must be distinct with separately accounted funds. At closeout, FEMA may adjust the funding to ensure the Subrecipient was reimbursed for eligible work from only one funding source.
17. **Historic Properties and Cultural Resources.** In compliance with 2 CFR 800, if a potential historic property or cultural resource is discovered during construction, the Subrecipient must cease work in the area and take all reasonable measures to avoid or minimize harm to the discovered property/resource. During construction, the Subrecipient will monitor ground disturbance activity, and if any potential archeological resources are discovered, will immediately cease work in that area, and notify the Recipient and FEMA. Construction in the area may resume with FEMA's written approval after FEMA's consultation, if applicable, with the State Historic Preservation Officer (SHPO).
18. **NEPA and Changes to the Scope of Work (SOW).** To comply with the National Environmental Policy Act (NEPA), and other Laws and Executive Orders, any change to the approved SOW shall be re-evaluated before implementation. Construction associated with a SOW change, prior to FEMA approval, may be ineligible for funding. Acceptance of federal funding requires environmental permits and clearances in compliance with all appropriate federal, state and local laws, and failure to comply may jeopardize funding.

Within their authority, the Recipient and Subrecipient must use of all practicable means, consistent with other essential policies, to create and maintain productive harmony for people and nature, and fulfill the social, economic, and other needs of present and future generations of Americans.