



PALMDALE WATER DISTRICT

A CENTURY OF SERVICE

BOARD OF DIRECTORS

W. SCOTT KELLERMAN
Division 1

DON WILSON
Division 2

GLORIA DIZMANG
Division 3

KATHY MAC LAREN-GOMEZ
Division 4

VINCENT DINO
Division 5

August 17, 2022

AGENDA FOR REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE PALMDALE WATER DISTRICT TO BE HELD AT 2029 EAST AVENUE Q, PALMDALE OR VIA TELECONFERENCE

FOR THE PUBLIC: VIA TELECONFERENCE ONLY

DIAL-IN NUMBER: 571-748-4021 ATTENDEE PIN: 669-018-602#

Submit Public Comments at: <https://www.gomeet.com/669-018-602>

MONDAY, AUGUST 22, 2022

6:00 p.m.

DENNIS D. LaMOREAUX
General Manager

ALESHIRE & WYNDER LLP
Attorneys

NOTES: To comply with the Americans with Disabilities Act, to participate in any Board meeting please contact Dawn Deans at 661-947-4111 x1003 at least 48 hours prior to a Board meeting to inform us of your needs and to determine if accommodation is feasible.

Additionally, an interpreter will be made available to assist the public in making **comments** under Agenda Item No. 4 and any action items where public input is offered during the meeting if requested at least 48 hours before the meeting. Please call Dawn Deans at 661-947-4111 x1003 with your request. (PWD Rules and Regulations Section 4.03.1 (c))

Adicionalmente, un intérprete estará disponible para ayudar al público a hacer **comentarios** bajo la sección No. 4 en la agenda y cualquier elemento de acción donde se ofrece comentarios al público durante la reunión, siempre y cuando se solicite con 48 horas de anticipación de la junta directiva. Por favor de llamar Dawn Deans al 661-947-4111 x1003 con su solicitud. (PWD reglas y reglamentos sección 4.03.1 (c))

Agenda item materials, as well as materials related to agenda items submitted after distribution of the agenda packets, are available for public review at the District's office located at 2029 East Avenue Q, Palmdale (Government Code Section 54957.5). Please call Dawn Deans at 661-947-4111 x1003 for public review of materials.

PUBLIC COMMENT GUIDELINES: The prescribed time limit per speaker is three-minutes. Please refrain from public displays or outbursts such as unsolicited applause, comments, or cheering. Any disruptive activities that substantially interfere with the ability of the District to carry out its meeting will not be permitted, and offenders will be requested to leave the meeting. (PWD Rules and Regulations, Appendix DD, Sec. IV.A.)

Each item on the agenda shall be deemed to include any appropriate motion, resolution, or ordinance to take action on any item.

- 1) Pledge of Allegiance/Moment of Silence.
- 2) Roll Call.
- 3) Adoption of Agenda.



- 4) Public comments for non-agenda items.
- 5) Presentations:
 - 5.1) None at this time.
- 6) Action Items - Consent Calendar (The public shall have an opportunity to comment on any action item on the Consent Calendar as the Consent Calendar is considered collectively by the Board of Directors prior to action being taken.)
 - 6.1) Approval of minutes of Regular Board Meeting held August 8, 2022.
 - 6.2) Payment of bills for August 22, 2022.
 - 6.3) Approval of Resolution No. 22-23 being a Resolution of the Board of Directors of the Palmdale Water District Proclaiming a Local Emergency Persists, Ratifying the Proclamation of a State of Emergency by the Governor Issued March 4, 2020, and Re-Authorizing Remote Teleconference Meetings of the Legislative Bodies of the Palmdale Water District for the Period Beginning September 1, 2022 and Ending September 30, 2022 Pursuant to Brown Act Provisions. (No Budget Impact – Assistant General Manager Ly)
- 7) Action Items – Action Calendar (The public shall have an opportunity to comment on any action item as each item is considered by the Board of Directors prior to action being taken.)
 - 7.1) Consideration and possible action on setting Palmdale Water District’s assessment rates for fiscal year 2022-2023 and adoption of Resolution No. 22-24 being a Resolution of the Board of Directors of the Palmdale Water District Establishing Assessment Rates for Fiscal Year 2022-2023. (Finance Manager Hoffmeyer/Financial Advisor Egan)
 - 7.2) Consideration and possible action on authorizing staff to enter into a contract for a Five-Year Capital Lease for equipment and smaller non-bondable capital projects. (Up to \$2.4 million – Finance Manager Hoffmeyer/Finance Committee)
 - 7.3) Consideration and possible action on authorizing staff to enter into a Professional Services Contract for Construction Inspection Services for the 3M Booster Station Replacement Project with Adurra Group, Inc. (\$364,050.00 – Budgeted – Engineering Manager Rogers)
 - 7.4) Consideration and possible action on authorization of the following conferences, seminars, and training sessions for Board and staff attendance within budget amounts previously approved in the 2022 Budget:
 - a) None at this time.
- 8) Information Items:
 - 8.1) Reports of Directors:
 - a) Standing Committees; Organization Appointments; Agency Liaisons:

- 1) Antelope Valley East Kern Water Agency (AVEK) – August 9. (Director Dino/Director Mac Laren-Gomez, Alt.)
 - 2) California Special Districts Association (CSDA) Chapter Meeting– August 17. (Director Dino, CSDA Chapter Chair/President Dizmang)
 - 3) Finance Committee Meeting – August 17. (Director Wilson, Chair/President Dizmang)
 - 4) Antelope Valley State Water Contractors Association (AVSWCA)- August 18. (Director Mac Laren-Gomez/Director Wilson/President Dizmang, Alt.)
- b) General Meetings Reports of Directors.
- 8.2) Report of General Manager.
- a) August 2022 written report of activities through July 2022.
- 8.3) Report of General Counsel.
- 9) Board members' requests for future agenda items.
- 10) Adjournment.



DENNIS D. LaMOREAUX,
General Manager

DDL/dd

**PALMDALE WATER DISTRICT
BOARD MEMORANDUM**

DATE: August 15, 2022 **August 22, 2022**
TO: BOARD OF DIRECTORS **Board Meeting**
FROM: Mr. Adam Ly, Assistant General Manager
VIA: Mr. Dennis D. LaMoreaux, General Manager
RE: ***AGENDA ITEM NO. 6.3 – APPROVAL OF RESOLUTION NO. 22-23 BEING A RESOLUTION OF THE BOARD OF DIRECTORS OF THE PALMDALE WATER DISTRICT PROCLAIMING A LOCAL EMERGENCY PERSISTS, RATIFYING THE PROCLAMATION OF A STATE OF EMERGENCY BY THE GOVERNOR ISSUED MARCH 4, 2020, AND RE-AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE LEGISLATIVE BODIES OF THE PALMDALE WATER DISTRICT FOR THE PERIOD BEGINNING SEPTEMBER 1, 2022 AND ENDING SEPTEMBER 30, 2022 PURSUANT TO BROWN ACT PROVISIONS. (NO BUDGET IMPACT – ASSISTANT GENERAL MANAGER LY)***

Recommendation:

Staff recommends the Board approve Resolution No. 22-23 being a Resolution of the Board of Directors of the Palmdale Water District Proclaiming a Local Emergency Persists, Ratifying the Proclamation of a State of Emergency by the Governor Issued March 4, 2020, and Re-Authorizing Remote Teleconference Meetings of the Legislative Bodies of the Palmdale Water District for the Period Beginning September 1, 2022 and Ending September 30, 2022 Pursuant to Brown Act Provisions.

Alternative Options:

The Board can choose not to approve Resolution No. 22-23.

Impact of Taking No Action:

Teleconference options for the District’s publicly noticed meetings will end.

Background:

With the issuance of the Governor’s State of Emergency Executive Order due to the COVID-19 pandemic, the Brown Act was modified regarding agenda postings, Board member attendance from remote locations via teleconference, public attendance, and participation at publicly noticed meetings via teleconference. These modifications were rescinded by the Governor effective September 30, 2021; however, agencies and special districts have the option to continue remote teleconferencing options under the provisions of newly enacted AB 361. AB 361 provides agencies the ability to meet remotely during proclaimed state emergencies under modified Brown Act requirements beyond September 30, 2021.

August 15, 2022

The criteria to rely on the provisions of AB 361 are as follows:

- 1) The local agency is holding a meeting during a proclaimed state of emergency, and state or local officials have imposed or recommended measures to promote social distancing; or
- 2) The local agency is holding a meeting during a proclaimed state of emergency for the purpose of determining, by majority vote, whether as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees; or
- 3) The local agency is holding a meeting during a proclaimed state of emergency and has determined, by majority vote, that, as a result of the emergency, meeting in person would present imminent risks to the health or safety of attendees.

Resolution No. 22-23 addresses these criteria and will remain in effect for a period of 30 days. If the District wishes to continue meeting under modified Brown Act requirements under AB 361 after 30 days, the resolution must be renewed.

Strategic Plan Initiative/Mission Statement:

This item is under Strategic Initiative No. 5 – Regional Leadership.

This item directly relates to the District’s Mission Statement.

Budget:

There is no budget impact.

Supporting Documents:

- Resolution No. 22-23 being a Resolution of the Board of Directors of the Palmdale Water District Proclaiming A Local Emergency Persists, Ratifying the Proclamation of a State of Emergency by the Governor Issued March 4, 2020, and Re-Authorizing Remote Teleconference Meetings of the Legislative Bodies of the Palmdale Water District for the Period Beginning September 1, 2022 and Ending September 30, 2022 Pursuant to Brown Act Provisions

RESOLUTION NO. 22-23

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE PALMDALE WATER DISTRICT PROCLAIMING A LOCAL EMERGENCY PERSISTS, RATIFYING THE PROCLAMATION OF A STATE OF EMERGENCY BY THE GOVERNOR ISSUED MARCH 4, 2020, AND RE-AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE LEGISLATIVE BODIES OF THE PALMDALE WATER DISTRICT FOR THE PERIOD BEGINNING SEPTEMBER 1, 2022 AND ENDING SEPTEMBER 30, 2022 PURSUANT TO BROWN ACT PROVISIONS

WHEREAS, the Palmdale Water District is committed to preserving and nurturing public access and participation in meetings of the Board of Directors; and

WHEREAS, all meetings of Palmdale Water District's ("District") legislative bodies are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code 54950 – 54963), so that any member of the public may attend, participate, and watch the District's legislative bodies conduct their business; and

WHEREAS, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code section 8558; and

WHEREAS, a proclamation is made when there is an actual incident, threat of disaster, or extreme peril to the safety of persons and property within the jurisdictions that are within the District's boundaries, caused by natural, technological, or human-caused disasters; and

WHEREAS, it is further required that state or local officials have imposed or recommended measures to promote social distancing, or, the legislative body meeting in person would present imminent risks to the health and safety of attendees; and

WHEREAS, such conditions now exist in the District, specifically, a State of Emergency has been proclaimed by the Governor of the State of California on March 4, 2020 in response to the global outbreak of the novel Coronavirus disease ("COVID-19"); and

WHEREAS, meeting in person would present an imminent risk to the health and safety of attendees due to the continued impact of the COVID-19 pandemic; and

WHEREAS, the Board of Directors does hereby find that a State of Emergency has been proclaimed as a result of the threat of COVID-19 and the contagious nature of COVID-19 have caused, and will continue to cause, conditions of peril to the safety of persons within the District that are likely to be beyond the control of services, personnel, equipment, and facilities of the District, and desires to proclaim a local emergency and ratify the proclamation of state of emergency by the Governor of the State of California; and

WHEREAS, as a consequence of the local emergency, the Board of Directors does hereby find that the legislative bodies of the Palmdale Water District shall conduct their meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, the Palmdale Water District offers the option of teleconferencing to ensure access for the public to attend meetings.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE PALMDALE WATER DISTRICT DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.

Section 2. Proclamation of Local Emergency. The Board hereby proclaims that a local emergency now exists throughout the District, and meeting in person would present imminent risks to the health and safety of attendees due to the serious and contagious nature of COVID-19.

Section 3. Ratification of Governor's Proclamation of a State of Emergency. The Board hereby ratifies the Governor of the State of California's Proclamation of a State of Emergency, effective as of its issuance date of March 4, 2020.

Section 4. Remote Teleconference Meetings. The staff, General Manager, and legislative bodies of the Palmdale Water District are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution including conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act.

Section 5. Effective Date of Resolution. This Resolution shall take effect on September 1, 2022 and shall be effective until the earlier of (i) September 30, 2022, which is 30 days from the adoption of this Resolution, or (ii) such time the Board of Directors adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to extend the time during which the legislative bodies of the Palmdale Water District may continue to teleconference without compliance with paragraph (3) of subdivision (b) of section 54953.

PASSED AND ADOPTED by the Board of Directors of the Palmdale Water District this 22nd day of August, 2022, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

President, Board of Directors

ATTEST:

Secretary, Board of Directors

APPROVED AS TO FORM:

Aleshire & Wynder, LLP, General Counsel

**PALMDALE WATER DISTRICT
BOARD MEMORANDUM**

DATE: August 16, 2022 **August 22, 2022**
TO: BOARD OF DIRECTORS **Board Meeting**
FROM: Mr. Dennis Hoffmeyer, Finance Manager/CFO
Mr. Bob Egan, Financial Advisor
VIA: Mr. Dennis D. LaMoreaux, General Manager
RE: ***AGENDA ITEM NO. 7.1 – CONSIDERATION AND POSSIBLE ACTION ON SETTING PALMDALE WATER DISTRICT’S ASSESSMENT RATES FOR FISCAL YEAR 2022-2023 AND ADOPTION OF RESOLUTION NO. 22-24 BEING A RESOLUTION OF THE BOARD OF DIRECTORS OF THE PALMDALE WATER DISTRICT ESTABLISHING ASSESSMENT RATES FOR FISCAL YEAR 2022-2023. (FINANCE MANAGER HOFFMEYER/FINANCIAL ADVISOR EGAN/FINANCE COMMITTEE)***

Recommendation:

Staff recommends that the Board approve Resolution No. 22-24 Establishing Assessment Rates for Fiscal Year 2022-2023. This item will be considered by the Finance Committee at their August 17, 2022 meeting.

Alternative Options:

There are no alternative options.

Impact of Taking No Action:

The District’s annual assessment rates would not be established for fiscal year 2022-2023.

Background:

The Palmdale Water District’s assessments are levied to cover the District’s share of costs associated with the State Water Project.

The County of Los Angeles Department of Auditor-Controller has submitted the necessary information to the District for determining the District’s 2022-2023 assessed valuation and tax rate. This information has been reviewed, and an annual tax assessment rate of 0.230644 for the 2022-2023 fiscal year is proposed. The District’s tax assessment rates must be received by the County of Los Angeles Department of Auditor-Controller by August 24, 2022.

Strategic Plan Initiative/Mission Statement:

This item is under Strategic Initiative No. 4 – Financial Health and Stability.
This item directly relates to the District’s Mission Statement.

Supporting Documents:

- Resolution No. 22-24 and County form CR52 Report A input form
- 2022-2023 assessment calculations
- Palmdale Water District Voted Indebtedness Rate History dated August 10, 2022
- August 10, 2022 letter from County of Los Angeles Department of Auditor-Controller regarding 2022-2023 Assessed Valuation and Tax Rate Input Forms

RESOLUTION NO. 22-24
A RESOLUTION OF THE BOARD OF DIRECTORS OF THE PALMDALE
WATER DISTRICT ESTABLISHING ASSESSMENT RATES FOR FISCAL
YEAR 2022-2023

WHEREAS, the Los Angeles County Auditor-Controller has submitted to the Palmdale Water District the assessed value information necessary to enable the District to establish its assessment rates; and

WHEREAS, the Board of Directors has reviewed the assessed value information and has calculated the amounts needed to be raised to meet the State Water Contract; and

WHEREAS, the Board of Directors has determined the assessment rate required to raise the required funds.

NOW, THEREFORE, BE IT RESOLVED, that the Board of Directors of Palmdale Water District hereby establishes the following secured tax rates for 2022-2023:

<u>ACCOUNT #</u>	<u>AGENCY NAME</u>	<u>TAX RATE</u>
308.60	Palmdale Water District	0.000000
308.61	Palmdale Water District Zone B	0.230644
308.62	Palmdale Water District Zone B2	0.230644
308.63	Palmdale Water District Zone C	0.230644
308.65	Palmdale Water District Zone E	0.230644
308.66	Palmdale Water District Zone A	0.230644
308.67	Palmdale Water-Westmont Imp. Dist.	0.000000

FURTHER RESOLVED, that the Board of Supervisors of the County of Los Angeles, State of California, is hereby authorized and directed, at the time and in the manner directed by law, in addition to any and all other taxes and assessments levied against the lands within the Palmdale Water District, to levy and collect assessments against all of the lands within said District and the aforesaid improvement District at the rates set forth above.

PASSED AND ADOPTED at a regular meeting of the Board of Directors held on August 22, 2022, by the following roll call vote:

AYE:

NO:

ABSENT:

I hereby certify under penalty of perjury that the tax rates levied herein are exempt from the application of Article XIII A, Section 1(A) of the Constitution of the State of California.

DATED: August 22, 2022

Don Wilson, Treasurer, Board of Directors

ATTEST:

Kathy Mac Laren-Gomez, Secretary, Board of Directors

APPROVED AS TO FORM:

G. Ross Trindle, General Counsel, Aleshire & Wynder LLP

**PALMDALE WATER DISTRICT
ASSESSMENTS
For 2022/2023**

FROM JULY 1, 2022 DWR:

	Invoice	Amount
2022/2023 Assessments	23-018-T	4,519,025
	23-017-O	31,417
	23-006-E	8,514
	23-009-TAB	40,415
	23-018-U	-
		4,599,371
REVISION(BASED ON PRIOR YEAR ASSESSMENT CALCULATION)		(7,540)
DWR REFUNDS:		
07/01/21 - 12/31/21		(131,638)
01/01/22 - 06/30/22		(214,079)
		(353,257)
	CRA recovery	(596,869)
Butte Payments - \$884,500.24 (12/30/2021) and \$955,653.00 (6/30/2022)		1,840,153
		5,489,398
TOTAL ASSESSMENT		5,489,398

PRIOR YEAR CALCULATIONS

		07/01/2021	05/18/2022	
FROM JULY 1, 2021 DWR:	FOR 2022	ORIGINAL	REVISED	DIFFERENCE
22-018-T		4,373,975	4,373,975	-
22-017-O		32,674	25,134	(7,540)
22-006-E		10,670	10,670	-
22-009-TAB		40,523	40,523	-
22-018-U		-	-	-
		4,457,842	4,450,302	(7,540)

ASSESSED VALUATION (LAND)

AREA	DESCRIPTION	2022/2023 ASSESSED VALUE	2021/2022 ASSESSED VALUE	2020/2021 ASSESSED VALUE	2019/2020 ASSESSED VALUE	2018/2019 ASSESSED VALUE	2017/2018 ASSESSED VALUE	2016/2017 ASSESSED VALUE
A 308.66	Zone A	823,358,869	739,743,068	695,436,839	647,391,758	604,120,879	566,889,644	537,822,527
B 308.61	Zone B	72,491,579	61,625,583	59,207,842	57,304,932	54,411,363	51,766,029	49,948,196
B-2 308.62	Zone B2	1,632,244	1,410,937	1,398,685	1,382,372	1,345,944	1,337,670	1,281,303
C 308.63	Zone C	12,827,402	12,247,916	11,571,096	10,907,739	10,198,079	9,381,402	8,887,324
E 308.65	Zone E	1,621,641,999	1,453,515,154	1,384,319,306	1,312,155,546	1,247,001,218	1,180,915,493	1,121,393,575
		2,531,952,093	2,268,542,658	2,151,933,768	2,029,142,347	1,917,077,483	1,810,290,238	1,719,332,925
	Assessment requested	5,489,398	5,633,476	3,980,072	4,161,370	4,028,728	4,524,850	4,481,030
TOTAL ASSESSED VALUE OF DISTRICT PALMDALE REDEV AGENCY(EST)		2,531,952,093	2,268,542,658	2,151,933,768	2,029,142,347	1,917,077,483	1,810,290,238	1,719,332,925
NET ASSESSED VALUE		2,531,952,093	2,268,542,658	2,151,933,768	2,029,142,347	1,917,077,483	1,810,290,238	1,719,332,925
	One Percent	25,319,521	22,685,427	21,519,338	20,291,423	19,170,775	18,102,902	17,193,329

ASSESSMENT ON ADJUSTMENTS

2022/2023	5,489,398 / 25,319,521 * .94	0.230644
2021/2022	5,633,476 / 22,685,427 * .94	0.264181
2020/2021	3,980,072 / 21,519,338 * .94	0.196759
2019/2020	4,161,370 / 20,291,423 * .94	0.218170
2018/2019	4,028,728 / 19,170,775 * .94	0.223563
2017/2018	4,524,850 / 18,102,902 * .94	0.265906
2016/2017	4,481,030 / 17,193,329 * .94	0.277262



PALMDALE WATER DISTRICT

A CENTURY OF SERVICE

August 10, 2022

BOARD OF DIRECTORS

W. SCOTT KELLERMAN
Division 1

DON WILSON
Division 2

GLORIA DIZMANG
Division 3

KATHY MAC LAREN-GOMEZ
Division 4

VINCENT DINO
Division 5

DENNIS D. LaMOREAUX
General Manager

ALESHIRE & WYNDER LLP
Attorneys



Palmdale Water District Voted Indebtedness Rate History

Tax Year	Assessment Rate (\$/\$100 Land Value)
1991 - 1992	0.199614
1992 - 1993	0.154190
1993 - 1994	0.178991
1994 - 1995	0.184907
1995 - 1996	0.194441
1996 - 1997	0.274384
1997 - 1998	0.213657
1998 - 1999	0.200543
1999 - 2000	0.282007
2000 - 2001	0.296912
2001 - 2002	0.254909
2002 - 2003	0.375114
2003 - 2004	0.091329
2004 - 2005	0.163885
2005 - 2006	0.152281
2006 - 2007	0.119654
2007 - 2008	0.125445
2008 - 2009	0.125932
2009 - 2010	0.317372
2010 - 2011	0.313562
2011 - 2012	0.291664
2012 - 2013	0.333614
2013 - 2014	0.328978
2014 - 2015	0.345856
2015 - 2016	0.299219
2016 - 2017	0.277262
2017 - 2018	0.265906
2018 - 2019	0.223563
2019 - 2020	0.218170
2020 - 2021	0.196759
2021 - 2022	0.264181
2022 - 2023	0.230644



**COUNTY OF LOS ANGELES
DEPARTMENT OF AUDITOR-CONTROLLER**

PROPERTY TAX APPORTIONMENT DIVISION
KENNETH HAHN HALL OF ADMINISTRATION
500 WEST TEMPLE STREET, ROOM 484
LOS ANGELES, CALIFORNIA 90012-3554

RECEIVED

AUG 10 2022

ARLENE BARRERA
AUDITOR-CONTROLLER

OSCAR VALDEZ
CHIEF DEPUTY AUDITOR-CONTROLLER

ASSISTANT AUDITOR-CONTROLLERS

ROBERT G. CAMPBELL
KAREN LOQUET
CONNIE YEE

August 8, 2022

All Taxing Agencies
County of Los Angeles

Attention: Treasurer or Finance Director

**FISCAL YEAR (FY) 2022-23 ASSESSED VALUATION AND TAX RATE INPUT
FORMS**

Enclosed are the FY 2022-23 assessed valuation statements for your taxing agency and our standard CR52 Report A input form for this fiscal year. To assist you in establishing your tax rates, also included is an information sheet indicating the FY 2021-2022 unitary and pipeline revenue paid to your agency. This represents your agency's proportionate share of the tax revenue generated from the FY 2021-2022 countywide unitary values assessed by the State and pipeline values assessed by the County.

The CR52 Report A input form along with a copy of your resolution must be completed and returned by August 22, 2022. The tax rates must be extended to six decimal places (e.g., 123456). Please enter zeros (e.g., 000000), if your agency does not levy a tax rate. **If your agency levies a tax rate, it must be in accordance with the provisions of Article XIII A, Section 1(b) of the Constitution of the State of California.** This law requires that a debt service rate only be applied to the voters if it is approved prior to July 1, 1978 and any bonded indebtedness for the acquisition or improvement of real property approved on or after July 1, 1978, by two-thirds of the votes cast by the voters voting on the proposition.

Please email the completed electronic form in PDF format and a scanned copy of the signed resolution to Merle Guazon at MGuazon@auditor.lacounty.gov. Then, submit the original signed form and a copy of the signed resolution to:

County of Los Angeles
Department of Auditor-Controller
Property Tax Apportionment Division
500 West Temple Street, Room 484
Los Angeles, California 90012-3554
Attention: Jeffrey Revilla

Please make sure the input form is completely filled out and signed to ensure inclusion of your tax rate(s) on the tax bills.

If you have any questions or require additional assistance, please contact Jeffrey Revilla at JRevilla@auditor.lacounty.gov or Ellaine Mallari at EMallari@auditor.lacounty.gov.

Very truly yours,

pp 

Kristina Burns
Division Chief

KB:JR:em

H:\Create Tax Roll - Annual\NEW - FY PROCESS\FY 2022-2023\CR Process\Debt Service Rate Letter FY 2022-23.docx

Attachments

COUNTY OF LOS ANGELES
AUDITOR - CONTROLLER/TAX DIVISION

SV13 07/22/22

ASSESSED VALUATIONS AUGUST 2022

0873

TAXING AGENCY308.60 PALMDALE WATER DIST

SECURED VALUATIONS

LOCALLY ASSESSED -

LAND	2531952093
IMPROVEMENTS	5900598411
PERSONAL PROPERTY	30444884
LESS: EXEMPTIONS ¹	207580302
TOTAL - LOCALLY ASSESSED	8255415086

PUBLIC UTILITY (ST. BOARD OF EQUAL.)

LAND	684600
IMPROVEMENTS	
PERSONAL PROPERTY	
TOTAL - PUBLIC UTILITY	684600

TOTAL - SECURED VALUATIONS 8256099686

UNSECURED VALUATIONS²

LAND	
IMPROVEMENTS	42842436
PERSONAL PROPERTY	59821255
LESS: EXEMPTIONS ¹	228951
TOTAL - UNSECURED VALUATIONS	102434740

GRAND TOTAL 8358534426

AIRCRAFT³

SECURED
HOMEOWNER EXEMPTION⁴ 70435846

UNSECURED
HOMEOWNER EXEMPTION⁵

**TOTAL
HOMEOWNER EXEMPTION 70435846**

- ¹ Exclusive of Homeowner Exemption.
- ² Tax levied at last year's secured rate.
- ³ Taxed at full rate & distributed according to 5451 to 5456 of the Revenue & Taxation Code.
- ⁴ Do not add to exemptions for rate setting purposes.
- ⁵ Subtract from "Total-Unsecured Valuations" for determination of Unsecured Tax Revenue.

The above information was compiled from the official records of the County of Los Angeles.

AUDITOR - CONTROLLER

By Kristina Burns
Chief, Tax Apportionment Division

COUNTY OF LOS ANGELES
AUDITOR - CONTROLLER/TAX DIVISION

SV13 07/22/22

ASSESSED VALUATIONS AUGUST 2022

0874

TAXING AGENCY 308.61 PALMDALE WATER DIST ZONE B

SECURED VALUATIONS

LOCALLY ASSESSED -

LAND	72491579
IMPROVEMENTS	133417960
PERSONAL PROPERTY	32813
LESS: EXEMPTIONS ¹	149993
TOTAL - LOCALLY ASSESSED	205792359

PUBLIC UTILITY (ST. BOARD OF EQUAL.)

LAND	
IMPROVEMENTS	
PERSONAL PROPERTY	
TOTAL - PUBLIC UTILITY	

TOTAL - SECURED VALUATIONS	205792359
----------------------------	-----------

UNSECURED VALUATIONS²

LAND	
IMPROVEMENTS	
PERSONAL PROPERTY	189185
LESS: EXEMPTIONS ¹	
TOTAL - UNSECURED VALUATIONS	189185

GRAND TOTAL	205981544
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AIRCRAFT³

SECURED HOMEOWNER EXEMPTION ⁴	1097600
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UNSECURED HOMEOWNER EXEMPTION ⁵	
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TOTAL HOMEOWNER EXEMPTION	1097600
------------------------------	---------

¹ Exclusive of Homeowner Exemption.² Tax levied at last year's secured rate.³ Taxed at full rate & distributed according to 5451 to 5456 of the Revenue & Taxation Code.⁴ Do not add to exemptions for rate setting purposes.⁵ Subtract from "Total-Unsecured Valuations" for determination of Unsecured Tax Revenue.

The above information was compiled
from the official records of the
County of Los Angeles.

AUDITOR - CONTROLLER

By Kristina Burns
Chief, Tax Apportionment Division

**COUNTY OF LOS ANGELES
AUDITOR - CONTROLLER/TAX DIVISION**

SV13 07/22/22

ASSESSED VALUATIONS AUGUST 2022

0875

TAXING AGENCY 308.62 PALMDALE WATER DIST ZONE B2

SECURED VALUATIONS

LOCALLY ASSESSED -

LAND	1632244
IMPROVEMENTS	3605641
PERSONAL PROPERTY	
LESS: EXEMPTIONS ¹	
TOTAL - LOCALLY ASSESSED	5237885

SECURED HOMEOWNER EXEMPTION ⁴	28000
---	-------

PUBLIC UTILITY (ST. BOARD OF EQUAL)

LAND	
IMPROVEMENTS	
PERSONAL PROPERTY	
TOTAL - PUBLIC UTILITY	

TOTAL - SECURED VALUATIONS	5237885
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UNSECURED VALUATIONS²

LAND	
IMPROVEMENTS	
PERSONAL PROPERTY	
LESS: EXEMPTIONS ¹	
TOTAL - UNSECURED VALUATIONS	

UNSECURED HOMEOWNER EXEMPTION ⁵	
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GRAND TOTAL	5237885
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TOTAL HOMEOWNER EXEMPTION	28000
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AIRCRAFT³

- ¹ Exclusive of Homeowner Exemption.
- ² Tax levied at last year's secured rate.
- ³ Taxed at full rate & distributed according to 5451 to 5456 of the Revenue & Taxation Code.
- ⁴ Do not add to exemptions for rate setting purposes.
- ⁵ Subtract from "Total-Unsecured Valuations" for determination of Unsecured Tax Revenue.

The above information was compiled from the official records of the County of Los Angeles.

AUDITOR - CONTROLLER

By Kristina Burns
Chief, Tax Apportionment Division

**COUNTY OF LOS ANGELES
AUDITOR - CONTROLLER/TAX DIVISION**

SV13 07/22/22

ASSESSED VALUATIONS AUGUST 2022

0876

TAXING AGENCY 308.63 PALMDALE WATER DIST ZONE C**SECURED VALUATIONS**

LOCALLY ASSESSED -

LAND	12827402
IMPROVEMENTS	28756817
PERSONAL PROPERTY	
LESS: EXEMPTIONS ¹	
TOTAL - LOCALLY ASSESSED	41584219

PUBLIC UTILITY (ST. BOARD OF EQUAL)

LAND	
IMPROVEMENTS	
PERSONAL PROPERTY	
TOTAL - PUBLIC UTILITY	

TOTAL - SECURED VALUATIONS	41584219
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UNSECURED VALUATIONS²

LAND	
IMPROVEMENTS	29351
PERSONAL PROPERTY	280861
LESS: EXEMPTIONS ¹	
TOTAL - UNSECURED VALUATIONS	310212

GRAND TOTAL	41894431
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AIRCRAFT³

SECURED HOMEOWNER EXEMPTION ⁴	287000
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UNSECURED HOMEOWNER EXEMPTION ⁵	
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TOTAL HOMEOWNER EXEMPTION	287000
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¹ Exclusive of Homeowner Exemption.² Tax levied at last year's secured rate.³ Taxed at full rate & distributed according to 5451 to 5456 of the Revenue & Taxation Code.⁴ Do not add to exemptions for rate setting purposes.⁵ Subtract from "Total-Unsecured Valuations" for determination of Unsecured Tax Revenue.

The above information was compiled from the official records of the County of Los Angeles.

AUDITOR - CONTROLLER

By Kristina Burns
Chief, Tax Apportionment Division

**COUNTY OF LOS ANGELES
AUDITOR - CONTROLLER/TAX DIVISION**

SV13 07/22/22

ASSESSED VALUATIONS AUGUST 2022

0877

TAXING AGENCY 308.65 PALMDALE WATER DIST ZONE E**SECURED VALUATIONS**

LOCALLY ASSESSED -

LAND	1621641999
IMPROVEMENTS	3910206767
PERSONAL PROPERTY	1441394
LESS: EXEMPTIONS ¹	32934107
TOTAL - LOCALLY ASSESSED	5500356053

PUBLIC UTILITY (ST. BOARD OF EQUAL)

LAND	627600
IMPROVEMENTS	
PERSONAL PROPERTY	
TOTAL - PUBLIC UTILITY	627600

TOTAL - SECURED VALUATIONS	5500983653
-----------------------------------	-------------------

UNSECURED VALUATIONS²

LAND	
IMPROVEMENTS	18910619
PERSONAL PROPERTY	25738121
LESS: EXEMPTIONS ¹	168951
TOTAL - UNSECURED VALUATIONS	44479789

GRAND TOTAL	5545463442
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AIRCRAFT³

SECURED HOMEOWNER EXEMPTION ⁴	47423600
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UNSECURED HOMEOWNER EXEMPTION ⁵	
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TOTAL HOMEOWNER EXEMPTION	47423600
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¹ Exclusive of Homeowner Exemption.² Tax levied at last year's secured rate.³ Taxed at full rate & distributed according to 5451 to 5456 of the Revenue & Taxation Code.⁴ Do not add to exemptions for rate setting purposes.⁵ Subtract from "Total-Unsecured Valuations" for determination of Unsecured Tax Revenue.

The above information was compiled from the official records of the County of Los Angeles.

AUDITOR - CONTROLLER

By Kristina Burns
Chief, Tax Apportionment Division

**COUNTY OF LOS ANGELES
AUDITOR - CONTROLLER/TAX DIVISION**

SV13 07/22/22

ASSESSED VALUATIONS AUGUST 2022

0879

TAXING AGENCY 308.67 PALMDALE WATER-WESTMONT IMP DIST

SECURED VALUATIONS

LOCALLY ASSESSED -

LAND	178167538
IMPROVEMENTS	422051468
PERSONAL PROPERTY	
LESS: EXEMPTIONS ¹	1574928
TOTAL - LOCALLY ASSESSED	598644078

PUBLIC UTILITY (ST. BOARD OF EQUAL.)

LAND	476600
IMPROVEMENTS	
PERSONAL PROPERTY	
TOTAL - PUBLIC UTILITY	476600

TOTAL - SECURED VALUATIONS 599120678

UNSECURED VALUATIONS²

LAND	
IMPROVEMENTS	111844
PERSONAL PROPERTY	1065678
LESS: EXEMPTIONS ¹	
TOTAL - UNSECURED VALUATIONS	1177522

GRAND TOTAL 600298200

AIRCRAFT³

SECURED
HOMEOWNER EXEMPTION⁴ 5516000

UNSECURED
HOMEOWNER EXEMPTION⁵

TOTAL HOMEOWNER EXEMPTION 5516000

- ¹ Exclusive of Homeowner Exemption.
- ² Tax levied at last year's secured rate.
- ³ Taxed at full rate & distributed according to 5451 to 5456 of the Revenue & Taxation Code.
- ⁴ Do not add to exemptions for rate setting purposes.
- ⁵ Subtract from "Total-Unsecured Valuations" for determination of Unsecured Tax Revenue.

The above information was compiled from the official records of the County of Los Angeles.

AUDITOR - CONTROLLER

By Kristina Burns
Chief, Tax Apportionment Division

COUNTY OF LOS ANGELES
AUDITOR-CONTROLLER/TAX DIVISION

2021-2022 UNITARY REVENUE

LISTED BELOW IS THE AMOUNT OF THE COUNTYWIDE UNITARY REVENUE CREDITED AND PAID TO YOUR AGENCY FOR 2021-2022. THIS REPRESENTS YOUR AGENCY'S SHARE OF THE REVENUE GENERATED FROM THE COUNTYWIDE UNITARY (STATE ASSESSED) AND PIPELINE (COUNTY ASSESSED) VALUE OF \$20,939,323,826 REPORTED IN 2021-2022.

FOR YOUR INFORMATION, THE 2022-2023 COMBINED COUNTYWIDE UNITARY AND PIPELINE VALUE IS \$23,971,145,943.

ACCOUNT NO.	AGENCY NAME	1% REVENUE	D/S REVENUE
308.60	PALMDALE WATER DIST	.00	23,949.05
308.61	PALMDALE WATER DIST ZONE B	1,182.64	.00
308.62	PALMDALE WATER DIST ZONE B2	34.52	.00
308.63	PALMDALE WATER DIST ZONE C	342.49	.00
308.65	PALMDALE WATER DIST ZONE E	18,422.83	.00
308.66	PALMDALE WATER DIST ZONE A	13,596.05	.00
308.67	PALMDALE WATER-WESTMONT IMP	2,513.05	.00

**PALMDALE
WATER DISTRICT
BOARD MEMORANDUM**

DATE: August 17, 2022 **August 22, 2022**
TO: BOARD OF DIRECTORS **Board Meeting**
FROM: Dennis J. Hoffmeyer, Finance Manager/CFO
VIA: Mr. Dennis LaMoreaux, General Manager
RE: *AGENDA ITEM 7.2 – CONSIDERATION AND POSSIBLE ACTION ON AUTHORIZING STAFF TO ENTER INTO A CONTRACT FOR A FIVE-YEAR CAPITAL LEASE FOR EQUIPMENT AND SMALLER NON-BONDABLE CAPITAL PROJECTS. (UP TO \$2.4 MILLION – FINANCE MANAGER HOFFMEYER/FINANCE COMMITTEE)*

Recommendation:

Staff recommends that the Board approve entering into a contract for a five-year capital lease for equipment and smaller non-bondable projects in an amount up to \$2.4 million. This item will be considered by the Finance Committee at their August 17, 2022 meeting.

Alternative Options:

The Board can choose to not approve the five-year capital lease.

Impact of Taking No Action:

The impact from taking no action would be the purchasing of equipment and smaller capital projects could only be pursued when additional funds become available during the remainder of CY2022.

Background:

In the past, the District has undertaken five-year capital leases for several equipment and smaller capital projects for better utilization of funding resources. This also serves as a supplemental funding source when projects are not capable of being pursued under our large-scale bond funding initiative. Selection of the firm for the five-year capital lease will be based on the best interest rates and purchasing agreement terms.

Strategic Plan Initiative/Mission Statement:

This item is under Strategic Initiative No. 4 – Financial Health and Stability.
This item directly relates to the District’s Mission Statement.

Budget:

The equipment and small capital projects are shown as part of the Capital Expenditures/Plant Expenditure Summary on pages 21 – 24 in the 2022 Budget document.

Supporting Information and Documents:

- Short Term Finance Listing

PALMDALE WATER DISTRICT
Calendar Year 2020+ Budget
Deferred Capital & Plant Expenditures Project Summary

<i>Year</i>	<i>Project Budget Requests (Not Committed)</i>	<i>Priority</i>	<i>Category</i>	<i>Project Type</i>	<i>Estimation</i>
Water Treatment Plant Projects					
2021	Bucket Truck (Looking at Lease Option)	D	NRE	Replace/New Equip.	75,000
2024	V-24 1988 Crane - Newer Crane	N	NRE	Replace/New Equip.	150,000
2024	Electric forklift for WTP	N	NRE	Replace/New Equip.	15,000
				<i>Subtotal:</i>	240,000
Vehicle Replacements					
2021	V-04 1991 Dump Truck	N	NRE	Replace/New Equip.	65,000
2022	V-43 1990 Flatbed w/liftgate	N	NRE	Replace/New Equip.	45,000
2022	8 Passenger Van	N		Lease	40,000
2023	V-03 2000 Cat 4 416C Backhoe	N	NRE	Replace/New Equip.	160,000
2024	V-66 1993 JD Loader	N	NRE	Replace/New Equip.	140,000
				<i>Subtotal:</i>	450,000
Information Technology					
2020	Intranet Redesign	N	CES	Studies & Planning	50,000
2020	Human Resources Information System	N	CES	Studies & Planning	60,000
2020	Personnel Emergency Notification System	N	CES	Studies & Planning	40,000
2020	Replace EOL Oasis recorder	D	NRE	Replace/New Equip.	25,000
2021	Data Warehousing	N	NRE	Replace/New Equip.	60,000
2021	Mass Communications	N	NRE	Replace/New Equip.	60,000
2021	Customer Mobile App	20-419	NRE	Replace/New Equip.	25,000
2021	GIS Drone	N	NRE	Replace/New Equip.	15,000
2021/2024	Gig to desktop/Infrastructure Refresh (4 years roll-out)	N	CES	Studies & Planning	200,000
2022	Citrix - Seamless apps across multiple platforms	D	CES	Studies & Planning	50,000
2022	Data Center UPS System (Symmetra)	D	CES	Studies & Planning	25,000
				<i>Subtotal:</i>	610,000

Total Asset/Infrastructure Project Requests 1,300,000

P A L M D A L E W A T E R D I S T R I C T
B O A R D M E M O R A N D U M

DATE: August 16, 2022 **August 22, 2022**
TO: BOARD OF DIRECTORS **Board Meeting**
FROM: Mr. Scott Rogers, Engineering Manager
VIA: Mr. Adam Ly, Assistant General Manager
Mr. Dennis D. LaMoreaux, General Manager
RE: ***AGENDA ITEM NO. 7.3 – CONSIDERATION AND POSSIBLE ACTION ON AUTHORIZING STAFF TO ENTER INTO A PROFESSIONAL SERVICES CONTRACT FOR CONSTRUCTION INSPECTION SERVICES FOR THE 3M BOOSTER STATION REPLACEMENT PROJECT WITH ADURRA GROUP, INC. (\$364,050.00 – BUDGETED – WORK ORDER NO. 20-610 – ENGINEERING MANAGER ROGERS)***

Recommendation:

Staff recommends that the Board award a one-year contract to Adurra Group, Inc. in the not-to-exceed amount of \$364,050.00 for Construction Inspection Services for the 3M Booster Station Replacement Project.

Alternative Options:

Reject all proposals and rebid the project.

Impact of Taking No Action:

There is no impact of taking no action.

Background:

Staff requested proposals from qualified firms to provide skilled and professional personnel necessary to perform construction inspection services to assist the District’s project team during the construction of the upcoming 3M Booster Station Replacement Project.

The District received two proposals from firms that were each evaluated by a staff panel based on several requirements such as the profile and qualifications of the firm, project understanding, the experience of the firm’s staff and availability, scope of work, and fee estimates. The District selected Adurra Group, Inc. based on the average score from the evaluation panel.

Score Summary:

Vendor	Evaluator 1	Evaluator 2	Evaluator 3	Evaluator 4	Score Average
Ardurra Group, Inc.	81.4	78.6	73.8	79.2	78.25
MNS Engineers, Inc.	73.6	74.58	86.2	71.2	76.39

BOARD OF DIRECTORS
PALMDALE WATER DISTRICT
VIA: Mr. Adam Ly, Assistant General Manager
Mr. Dennis D. LaMoreaux, General Manager

August 16, 2022

Strategic Plan Initiative/Mission Statement:

This item is under Strategic Initiative No. 3 – Systems Efficiency.

This item directly relates to the District’s Mission Statement.

Budget:

This item is budgeted and will be covered as part of Work Order No. 20-610.

Supporting Documents:

- Addura Group Inc. Proposal

Proposal for

3M BOOSTER STATION REPLACEMENT CONSTRUCTION INSPECTION SERVICES

Palmdale Water District



ARDURRA

TABLE OF CONTENTS



Ardurra offers an experienced team that is responsive, flexible, financially responsible, and quality-conscious through every phase of the project.

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Fee Estimate Provided in a separate PDF



A. LETTER OF INTRODUCTION



July 26, 2022

Palmdale Water District
Attention: Jaron Hollida, Assistant Engineer
2029 East Avenue Q
Palmdale, CA 93550

Subject: Proposal for 3M Booster Station Replacement Construction Inspection Services [20-610(a)]

Dear Mr. Hollida and Selection Committee Members:

Ardurra is a full-service engineering firm with a deep bench of seasoned professionals in Southern California, expert in providing services in the water industry. We are pleased to submit our proposal to Palmdale Water District (PWD or District) for 3M Booster Station Replacement Construction Inspection Services. As you will discover within our proposal, our team is well qualified to deliver this project given our extensive water conveyance portfolio, experience in the water industry, deep local public sector roots, and wealth of internal resources inclusive of water conveyance specialists.

The 3M Booster Facility is a key facility in the distribution system and has been serving the District's constituents well for many years. The facility functions as a conveyance and storage link for the District. Therefore, it is critical that the 3M Booster Station improvements include an experienced quality control team and that the constructed project meets the quality standards set forth by the District. Our team will help the District meet these goals by providing **a seasoned construction services team led by veteran water facility construction experts dedicated to oversight of quality, budget, and schedule.**

For this project, we are proposing staff with diverse water facility construction experience and local team members who have familiarity with the District's facilities. Our personnel are currently leading and have managed the successful delivery of many of these type of facilities throughout California, including the 6M Clearwell Facility project for the District, the Chevy Chase Facility in Glendale, the Well No. 15 Facility in Paramount, and the Lower Saluda Lift Station Facility for Moulton Niguel Water District. These projects all included mechanical and electrical, pipeline, paving, and structural elements similar to the requirements of the 3M Booster Station Replacement Project.

Ardurra takes a progressive approach to recruiting highly qualified, technical staff in their respective disciplines to assist our clients with the development and delivery of critical projects. The Ardurra team has a history of delivering complex water facility projects as evidenced in this proposal. Unlike our competitors, this background and "concept to keys" framework enhances our ability to forecast, mitigate, and overcome complex challenges that may arise on a project of this type.

A key member of our proposed, multi-faceted team includes a locally recognized material testing and special inspection firm, **Bruin Geotechnical Services Inc.** Also key on our team is **KDC Systems**, a renowned electrical/instrumentation and controls consulting firm that has provided construction phase services for multiple water facilities.



Our team will be led by **Oscar Gonzalez, PE**. Oscar will provide the overall coordination of our project team, and daily oversight will be performed by inspector **Manny Briones**. Oscar has been in the industry for over 30 years and Manny for more than 40. We are confident in our ability to exceed your expectations for the 3M Booster Station Replacement Project, given our collective experience and our understanding of the nuances associated with a project of this type.

To summarize, we offer the following key benefits:

- ~ Significant experience with local and relevant public sector projects of this type and size.
- ~ A highly qualified team with specific experience with the requested scope of work.
- ~ A collaborative streamlined delivery process that will ultimately reduce District administrative cost by delivering the project on time.

Ardurra takes great pride in providing competitive pricing and highly qualified personnel and goes to great measures to ask, "What is our true value-added proposition to the Palmdale Water District?". The answer to this question is our people. We bring high caliber construction phase staff to our clients—staff that is trained technically but also "hands on" and thinks like an owner. Our people offer creative delivery options, solutions-based recommendations, and a true perspective of ownership that our competitors may not possess. This is our differentiator and the meaning behind Ardurra's pledge **to provide excellence in project delivery**.

We hereby acknowledge receipt of Addendum 1 (dated June 23), Addendum 2 (dated June 28), Addendum 3 (dated June 30). We have reviewed the District's professional services agreement and request two modifications, which are included on page 41 of this proposal.

Please feel free to contact Oscar Gonzalez at ogonzalez@ardurra.com or 213.379.3471, should you have any questions or require additional information. We look forward to working with the District on the successful delivery of this important project.

Respectfully submitted,

Oscar Gonzalez, PE
Project Director
Cell: 213.379.3471
ogonzalez@ardurra.com

Dino P. D'Emilia, PE, F.ASCE, QSD
Project and Construction Management Group Leader
Cell: 714.458.0703
ddemilia@ardurra.com



B. PROFILE OF FIRM



SECTION B. PROFILE OF FIRM



We offer local experts backed by the resources of a large, national firm.

COMPANY OVERVIEW

Ranked 114 in Engineering News-Record's Top 500, Ardurra offers the resources of a large national firm with more than 1,000 employees in 54 offices across the country. We focus on seven key service areas including: public works/civil planning, design and construction management, water/wastewater planning design and construction management, environmental, land development, emergency management, structural engineering, and survey.

We have more than 100 professionals in five offices throughout Southern California. Our local staff provides construction oversight and inspection, construction management (CM) and administration, program management, project management, civil engineering planning and design, plan review and plan check, code compliance enforcement, environmental compliance, labor compliance, and grant administration.



Construction Management and Inspection Capabilities

Since 2005, numerous municipalities and agencies throughout the region have entrusted Ardurra with their CM and inspection needs. With an emphasis on practical, experienced, and cost-effective solutions, Ardurra offers capabilities ranging from local agency public works improvements to major water/wastewater infrastructure, transportation, and vertical building projects, as well as managing multi-project capital improvement programs.

Our team has experience with a wide range of projects, including water and sewer treatment and pumping facilities, storage, pipeline installation/rehabilitation, pavement rehabilitation, sidewalk and ADA pedestrian ramp installation, drainage improvement, and streetscape revitalization involving roadway reconstruction, decorative concrete sidewalks, landscaping, irrigation, traffic signals, street lighting, and water feature construction. In addition to the types of projects mentioned above, we also provide vertical construction management and inspection on projects such as fire stations, police departments, recreation centers, and libraries.

Our clients get successful projects and services, well-managed budgets, and thoroughly satisfied stakeholders because we work side-by-side with local and regional agency staff. This close working relationship develops collaboration with community and business stakeholders, and partners effectively with state and federal regulatory agencies. Local agencies like you get our proactive management approach, which carefully monitors program effectiveness and closely tracks work quality and cost. With these abilities and proven processes, our clients get a partner that routinely delivers multiple on-call projects under aggressive schedules and provides careful management, administration, and oversight of project development teams from inception to completion with committed and complete ownership of all aspects.

We deploy time-tested procedures and best management practices for the most vital project elements, such as:

- Safety
- Public outreach
- Schedule review
- Measurement and payment
- Change management
- Claims avoidance
- Budget and cash flow
- Utility coordination
- Documentation protocol and communication
- Quality assurance
- Labor compliance
- Project commissioning, acceptance, and closeout

Ardurra has a comprehensive bench of inspectors who bring experience in all aspects of public agency inspection. Ardurra's inspectors are competent, knowledgeable and conform to California Building Standards Code/Title 24, agency codes and ordinances, federal grant requirements, State Water Resources Control Board requirements, State of California Local Assistance Procedures Manual, Greenbook, AWWA and APWA standards, and, where appropriate, LEED, DSA, and OSHPD standards.

Our inspectors have a keen ability to understand and interpret plans and specifications and are intimately familiar with the Greenbook (Standard Specifications for Public Works Construction), Caltrans Standard Specifications, and OSHA Construction Safety Orders. They consistently follow verbal and written instructions, communicate clearly and concisely, both orally, and in writing.

Not only is Ardurra successful at delivering CM and inspection services, but our CM and inspection professionals are considered leaders in the industry. They are frequently engaged to train public agency staffs and develop or improve standardized public agency department systems, procedures, and processes that incorporate industry best practices across capital project and development permit delivery.

COVID Preparedness

Our staff, and their safety and availability, are critical to successfully supporting the District. We currently abide by local mandates and work with our clients to follow their procedures to keep everyone safe. We are flexible and have been successful at modifying our procedures to match local, state, and national safety standards. We will continue to adjust our approach to best protect the livelihood of your team, your community, and our staff.

Financial Capacity

Ardurra is in excellent financial condition. The business has grown substantially since its roots dating back more than 65 years. Incorporated in 1977, Ardurra has increased to more than 1,000 employees in 54 offices throughout the nation. The company has maintained profitability and built positive net worth on its balance sheet. There is no history of bankruptcy and no planned office closure or impending merger plans. We are in good standing with the State of California and in full compliance with state and federal Equal Employment Opportunity laws and regulations.

Litigation

The following cites litigation that has occurred within the past five years. There have been no government-related fines, legal actions, or enforcement actions within the last five years. Ardurra has not had any ethics violations or board actions within the past five years against the firm or subsidiary companies.

- 2022 Bowen and Kron Enterprises Inc. and Vapor Industries, LLC vs. Ardurra Group, Inc. – *Legal action, still active*
- 2020 Promontory at Innisbrook Homeowners Association. Status: 558 Notice – *Notice, no further correspondence has been received*
- 2019 Deerfoot Point Condominium Association. Status: 558 Notice – *Notice, no further correspondence has been received*
- 2019 Woods of Ortega Floor Plate, Multi-Party 558 Notice, CA – *Notice, no further correspondence has been received – Voluntary dismissal as of 10/26/21*
- 2019 Gilberti v. Ardurra Group – *Legal claim dismissed – Dismissed as of 10/2019*
- 2018 Developer claim regarding inspection – Copperstone, FL – *Closed*
- 2017 Trip and Fall, Sanchez v. Carson City, CA – *Legal action settled – Settled as of 1/7/2020*
- 2017 Trip and Fall, Courtois v. Manhattan Beach, CA – *Settled as of 11/22/21*

SUBCONSULTANTS

Augmenting our team with specialty services as required is **Bruin Geotechnical Services, Inc. (Bruin GSI)**, to provide material testing and special inspection and **KDC Systems** to provide electrical support.

Bruin Geotechnical Services, Inc. | Material Testing and Special Inspection

Established in 2004, Bruin Geotechnical Services Inc., provides quality engineering services for residential, commercial, industrial, and green energy (solar and wind) projects throughout Southern California. With a full complement of engineers, designers, surveyors and geotechnical personnel, Bruin GSI provides preliminary geotechnical analysis, site plan development with infrastructure design, as well as construction inspection, material testing, environmental assessments and survey.



Bruin GSI provides soil engineering reports, percolation reports, compaction testing services, concrete testing services and deputy inspection. With a full-service onsite laboratory, all geotechnical needs are met.

Bruin GSI operates a modern facility with the latest computer-aided civil design software, plotters and survey equipment. The firm performs GPS control surveys, aerial mapping, ALTA surveys and survey for design and construction. Its geotechnical department has a full-service laboratory, participating in the Caltrans correlation testing program to continually verify accuracy of test results. Yearly calibrations of equipment are performed as well as continuing education and training of personnel.

With the use of digital field reporting, results are available for review in real-time. The firm's standardized processes for laboratory and field work make for consistent and accurate results, delivered in a timely manner. As a small business, Bruin GSI takes pride in quality assurance and safety procedures and strives to provide fast, efficient, and reliable services.

KDC Systems | Electrical

KDC Systems is an automation solutions company offering end-to-end services, from concept through completion. KDC Systems was founded in 1985 and is headquartered in Los Alamitos, serving clients across Southern California including greater Los Angeles, Orange County, Riverside, San Bernardino, and Ventura counties. KDC Systems has become one of the largest and most trusted control systems integrators in California.



KDC Systems' technical staff is comprised of highly skilled electrical and mechanical engineers, professional engineers (control systems and mechanical engineering), ISA-certified instrumentation technicians, and state-certified electricians. Personnel are also hardware and software trained and certified with numerous manufacturers.

DIR REGISTRATIONS

Our team is registered with the Department of Industrial Relations.

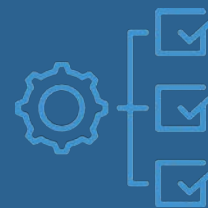
FIRM NAME	DIR REGISTRATION
Ardurra Group, Inc.	# 1000392146
Bruin Geotechnical Services, Inc.	# 1000064534
KDC Systems	# 1000001129



C. QUALIFICATION OF THE FIRM



SECTION C. QUALIFICATION OF THE FIRM



Our proven management approach carefully monitors the project and closely tracks work quality, cost, and schedule. We act in the best interests of the project and the client.

PROJECT EXPERIENCE

Our reputation for providing quality services has been confirmed by our ongoing relationships and extended contracts with municipalities throughout the region. The following projects offer a brief representation of our experience providing construction management and inspection services. We were the prime firm providing 100% of the construction management and/or construction inspection on each of these projects—all of which have adhered to budget and schedule.

La Palma Water Complex – Reservoir Rehabilitation and Pump Station Replacement

Client: City of Anaheim

Services: Construction Management, Inspection, Contract Administration

Start: 03/2017 **Complete:** 10/2018

Project Value: \$9.3 million

The City of Anaheim launched a program in 2017 to address insufficient existing infrastructure at the La Palma Water Complex. Ardurra provided construction management, inspection, and contract administration for the rehabilitation of a 4-million-gallon tank-style reservoir and replacement of an antiquated pump station. Other work included demolishing a smaller outmoded reservoir and completing the shutdown of an inactive well. The structure stores and supplies water to homes and businesses in central and west Anaheim. Other infrastructure improvements included a 500-gallon disinfection tank and an active well. In operation, the pump station pulls water from the reservoir and pushes it into the City's water distribution system. At peak pumping capacity, the station equips the City with added resources for firefighting or meeting surges in demand. Improvements to the 4MG reservoir included a seismic retrofit and the installation of a new aluminum roof and a reservoir liner. The effluent pump station, with five pumps, was replaced with a more efficient four-pump model that increased pumping capacity. A diesel generator was also installed to supply emergency backup electric power. Additionally, related improvements included replacing water pipelines, installing new electrical service and control systems, and repaving a service road with water-permeable concrete. The project also installed landscaping, fencing and a security system. The La Palma Complex occupies a 5.3-acre site on West La Palma Avenue at North West Street, a location surrounded by homes and businesses.



Equipping of Well Commission 22A (O-0746)

Client: Long Beach Water Department

Services: Construction Management, Inspection

Start: 06/2021 **Complete:** 09/2022

Project Value: \$1.5 million

Ardurra is providing construction management and inspection services for the construction of this equipping of water well Commission 22A project, which is located in El Dorado Park North. This project is part of a program to enhance and expand the use of local water supplies to meet the increasing demands within LBWD's service area and enhance LBWD's local groundwater supply portfolio. The project is divided into the following phases: demolition; well equipping; conveyance pipeline; and startup and testing. The first phase involves demolishing the existing Commission 22 site and its



existing electrical systems, existing CMU structure, and existing above- and below-grade piping. Work also involves the equipping of Commission 22A and associated site improvement, including installation of new pump and motor, new CMU enclosure, installation of piping to connect to the existing 24-inch groundwater collection main, and associated electrical work. The project also involves complex phasing of SCADA equipment and controls to ensure operational control, as this site controls other well sites.

SCADA Staff Augmentation

Client: City of Oceanside

Services: SCADA

Start: 03/2013 Complete: 07/2019

Project Value: \$8 million

Ardurra (formerly known as IEC) was chosen by the City as staff augmentation to provide project management and design services to upgrade the City's SCADA system. We were responsible for upgrading software and hardware at four treatment plants and over 70 remote sites. Our team managed over 50 servers during the conversion process, many of which were virtualized. The work involved replacing over 100 PLCs and replacing two legacy iFix SCADA systems and one standalone InTouch SCADA system and integrated them into one SCADA system running Wonderware System Platform.

As part of the project, we designed new network layouts that increased system autonomy and redundancy. We were heavily involved in troubleshooting the new 2.4-GHz radio network connectivity issues. Additionally, we assisted with implementing new WIMs for department wide use. While working at the City, we attended the Water Loss Prevention class and assisted Oceanside staff in data gathering for their annual water loss audit for 2017 and 2018.

Key Project Components & Issues

- Overall system redesign
- Various system and application upgrades
- Replacement of 3 legacy HMIs and 100 PLCs
- Installation of 2.4-GHz radio network
- Installation of over 20 new servers and 25 Thin clients

Near Term Water Supply & CIP Program Management

Client: Elsinore Valley Municipal Water District

Services: Program/Project Management, Construction Management

Start: 2016 Complete: Ongoing

Project Value: \$25 million

Ardurra (formerly known as IEC) was engaged by Elsinore Valley Municipal Water District (EVMWD) to provide project and construction management for over 40 CIP projects ranging in construction value from \$300,000 to \$10 million. The CIP execution rate was over 90%, and all projects were completed on time and with an overall 2% change order rate.

Under this contract, a wide range of services was successfully provided, including coordinating and supervising all inspections for in-house inspection staff and outside consultants; processing all RFIs, progress payments, etc., and conducting all progress meetings; managing three emergency construction projects including the repair of a sewer force main in Highway 74; coordinating all communications with the Engineers of Record (EOR) and CM staff; performing public outreach tasks; overseeing the EVMWD's Labor Compliance Program; acting as the SMARTS system Legally Responsible Party (LRP) and performing all Qualified SWPPP Practitioner (QSP) inspections; performing all claims management; acting as coordinator with the various jurisdictions such as RCFCWCD, Caltrans, RWQCB, ACOE, CDFG, and other agencies to complete permits; and coordinating with SCE to secure new electrical service for the various facilities.

Below are a few representative projects under this contract.

- **Flagler Well Project.** Provided construction management services for the rehabilitation of two deep wells and the treatment systems and booster station to discharge into the 42-inch Temescal Canyon Pipeline (TVP). The project included obtaining two permits from the County of

Riverside Transportation Department and the City of Corona and coordination with Caltrans. The project included the following components:

- Conversion of two agricultural wells to potable service and installation of vertical turbine well pumps
 - Primary and secondary disinfection systems
 - A 105,000-gallon welded steel tank
 - A 2,100-gpm/250-HP booster pump station at the Flagler Water Treatment Plant site and installation of 18-inch high pressure (400psi) welded steel pipeline
 - Demolition of old fire station with hazardous material abatement and installation of a new process and pump station building
 - Extensive civil/site improvements
 - New security system
- **Canyon Lake Water Treatment Facility Upgrades Project.** This project included retrofitting and/or conversions of various systems within the Canyon Lake WTP to meet regulatory issues, water quality issues, repair and rehabilitation (R&R) issues, and chemical system changes. This project included the CM tasks as described above with the additional tasks of determining bottleneck issues in the CLWTP to perform the upgrades. The project consists of the following:
 - Retrofit an existing tank and provided new blower systems for total trihalomethane (TTHM) removal issues including adding these facilities to the SCADA system
 - Changing a PACL system with a ferric chloride system
 - Clarifier upgrades
 - Electrical upgrades
 - **Various Well Rehabilitation Projects within the Elsinore Groundwater Basin.** Managed the construction for \$3.5M for five groundwater well rehabilitation projects, which were completely upgraded by replacing all the pumps, bowls, packers, and making other associated repairs. Since several of these wells have high levels of arsenic, they either had to be treated at the Back Basin Groundwater Treatment Facility or blended with other well flow. Therefore, bringing each well back online required detailed coordination with operations and engineering departments to make sure the blending and/or treatment requirements were met.



Graeber Street Water Main Replacement

Client: Western Municipal Water District

Services: Construction Management, Inspection

Start: 07/2019 Complete: 05/2020

Project Value: \$3 million

Ardurra (formerly known as IEC) was selected by the Western Municipal Water District to manage and inspect this 7,000-LF water main replacement project located on March Air Reserve Base in Riverside County. This project consisted primarily of installing new 12-inch water main along the main arterial through the base. Challenges encountered as part of this project included limited personnel access due to security, an unusually high number of unknown live and abandoned conflicting utilities, and unforeseen base activities that impacted construction. This project also originally contained jack and bore encasement installations underneath two drainage channels, which Ardurra identified early in the contract as a value engineering opportunity and worked with the contractor to develop an alternative cheaper installation method resulting in a significant savings in time and budget.





D. PROJECT UNDERSTANDING

SECTION D. PROJECT UNDERSTANDING



Our clients deserve successful project delivery and quality service, well-managed budgets, and thoroughly satisfied stakeholders while we work side-by-side with local and regional agency staff.



Existing pump station to be demolished

Ardurra understands that this project will enhance the District's ability to perform maintenance on the 6MG Clearwell Tank and Booster Station Facility by providing additional conveyance capacity and redundancy at the 3M Booster Station Facility.

To support this essential project and to successfully complete the improvements on time, within budget, and in conformance with the contract documents and best management practices, PWD is seeking to retain a professional consultant team to perform construction inspection services for this project. The consultant shall provide construction phase services to support the construction efforts and serve as an extension of PWD staff to assist in the overall delivery of this project, including preconstruction tasks, managing construction and making sure that the work is completed in accordance with the contract documents, and project closeout and commissioning phase. The consultant team will report directly to PWD's project manager (or authorized representative).

It is understood that PWD requires skilled technical and professional personnel necessary to perform such services, which include the areas of civil engineering, surveying, geotechnical engineering, structural engineering, and electrical engineering. Ardurra

is proposing a seasoned construction manager/registered engineer to assist the District's team on items related to field work and all general construction administration matters. Ardurra also proposes a seasoned construction inspector to oversee all aspects of construction to monitor compliance with plans, specifications, and special provisions, as well as a contract administrator to keep all of the project documents in order and easily accessible. The inspector will team with the construction manager to schedule and coordinate materials testing, specialized inspection, remote material inspection, equipment testing, startup, and commissioning.

The Ardurra team is familiar with water district/company projects that are located within the jurisdiction of a county or city, i.e., projects for East Valley Water District or San Antonio Water Company that are required to obtain permits from the City of Highland or San Bernardino County, respectively. Ardurra will identify the encroachment permits to be obtained from the City of Palmdale, for example, for any improvements on Avenue S or other locations within the City's jurisdiction. We will be proactive in meeting the requirements of all permits, such as coordinating with the City for its representative to perform inspection of City facilities. We also understand the installation of new SCE equipment and materials, which is very critical to the new facility. We will also provide the required coordination and communication with Edison for vault, transformer, and cabling inspection and delivery. The Ardurra team has provided construction oversight on projects within existing easements. This has been commonplace on recent projects that are constructed within county flood control property. We are mindful to the sensitivity of property owners, providing easements for utility installation, and the effect it can have on surface water quality or the need to restore such property in-kind. We are highly experienced in logging preconstruction conditions and noting potential conditions that may contribute to



New pipeline across Avenue S

surface water contamination. Ardurra is also aware that the construction elements of this project may affect other utilities such as Southern California Gas and may also impact bus-line routes. We will look ahead for any planned trenching and notify the respective utility owner of potential needed construction oversight of critical facilities and immediately notify any affected utility of conflicts identified during construction. We will also be proactive in notifying the Antelope Valley Transit Authority of any activities that affect its routes.

Minimize Impacts to Schedule and Deliver On Time

Ardurra’s mindset is to always work ahead of the project versus working behind it. We strive to look for potential issues that could affect schedule and suggest ways to mitigate them to the largest extent possible. Ardurra has considerable strength in schedule management, and we can bring on our experts as needed for specific support on key issues affecting the project. It is critically important to establish a realistic schedule as the basis for commencing the project. Arbitrarily or unfounded accelerated schedules can and will disappoint all stakeholders in the end. Ardurra will provide our depth of expertise and be transparent in advising the District on realistic project scheduling. Our time management effort encompasses all aspects of scheduling during the preconstruction phase and construction phase of a project. We traditionally utilize CPM scheduling. This scheduling system will allow for mitigation (or elimination) of time and resource conflicts and the determination of a predictable date of completion. Our proposed construction manager has a working knowledge of CPM scheduling techniques including as-planned schedule, float, fragnets, time impact analysis, schedule updates and schedule revisions. Key items are summarized below:

- Review contractor’s initial baseline schedule.
- Review monthly updates and recovery proposals and analyze time impacts.
- Monitor look-ahead schedules at weekly construction meetings and review same to the baseline schedule.
- Review and recommend to the District either rejection or negotiation of request for time extensions and their impact to the baseline project schedule.
- Review and recommend approval of contractor’s submitted recovery schedule, use of float and update the contract project schedule accordingly.
- Review as-planned versus as-built schedules submitted by the contractor for disputed schedule issues. Assist the District with negotiations of time settlement(s) where appropriate.
- Develop substantial completion, commissioning and occupancy plans in conjunction with the contractor and District.

Inspector Daily Reports

The reports will be prepared daily in Procore and shall document all necessary aspects of daily contractor progress and site status for compliance with the contract documents. This includes documenting material delivery tickets, site photos, videos as necessary, daily quantities, weather, best management practices, security, traffic control, labor, equipment, quantities, visitors, safety reporting, and any other pertinent items. The daily report shall include the contractor’s daily report indicating work performed and labor and equipment. The construction manager shall review the inspector’s reports at the end of each workday for work documentation compliance.

Payments to Contractor

Ardurra will initially review the contractor's submitted Schedule of Values (SOV). The SOVs will be developed from the Work Breakdown Structure (WBS) of the Critical Path Method (CPM) schedule. The CPM schedule will produce the contractor’s payment application and SOVs in an agreed format and shall be submitted monthly. The SOVs is a detailed itemized list that establishes the value or cost of each detailed part of the work, and it will be used as the basis for preparing progress payments. The SOVs may be used as a basis for negotiations concerning additional work or credits, which may arise during the construction. Quantities and unit prices will be included in the CPM schedule and will form the basis of the progress measurement for installed work that underpins



Ardurra has developed a fillable, scalable, and customizable master daily report that has proven indispensable on projects.

the SOVs and the monthly payment application. Our inspector will meet with the contractor's superintendent and either confirm or adjust the quantities requested for payment. The approved quantities will be finalized by the construction manager and submitted for approval by the District's project manager.

Monitor Prevailing Wages

All services performed under the agreement will be subject to payment of the applicable prevailing wage for personnel performing the work. The submittal of certified payroll records will be required as work is performed or when they are needed to verify compliance with the State/Federal Labor Codes. Certified payroll submittals will be sent either to the District or directly to the Department of Industrial Relations (DIR). Certified payrolls and fringe benefit statements will be received and logged for each contractor and subcontractor on the project. Certified payrolls will be reviewed to confirm that proper wages and benefits are paid to each employee and classification and compared to inspector daily reports to verify that each employee, number of hours and appropriate classification observed on site was paid the proper amount.

SWPPP/Best Management Practices

Ardurra CM and inspection staff will enforce all provisions of the Storm Water Pollution Prevention Plan and/or BMPs or other requisite requirements set forth in the specifications. Ardurra CM staff is well-versed in SWPPP monitoring through provision of dedicated services for oversight of developers and contractors on behalf of several public agencies. For example, team experience includes the construction of a reservoir and pump station facility in Glendale adjacent to an open channel leading to a county flood control facility. We understand the importance of BMP upkeep and replacement of such devices if damaged. The project had two separate visits from the Regional Water Quality Control Board and both times received approval of the project's surface water protection activities.

Laws and Regulations

Federal and state governments, as well as the legal system, are increasingly holding all construction professionals and the owner responsible for jobsite safety. Ardurra understands this trend and will recommend that certain requirements be placed into the contract documents in order to promote a safe work environment for all participants on this project. The basic objectives of an adequate safety plan include provisions that address the following:

- Compliance with Cal/OSHA
- Safety and substance abuse
- Forcibly working in an unsafe work environment
- Employee/worker responsibilities for knowing and abiding by safety rules and regulations that are applicable to his/her task



Typical duties inherent in Ardurra's onsite work effort include enforcement of safety policy regulations and maintenance, site safety inspections, accident investigation, safety training, record keeping and review of contractor's site-specific safety plans including:

- Ensuring that federal, state and local laws, regulations, rules and codes are observed at construction sites
- Daily compliance with OSHA
- Coordination with the contractor for implementation of controls from result of the project analysis including fall protection plans, crane activity, hazmat, excavation, confined spaces, lockout/tagout, and other life safety concerns
- Compiling, analysis, and interpreting incident report data and assessing corrective actions to eliminate risk
- Conducting random inspection of project to determine if there are any safety hazards; also ensuring proper use of personal protective equipment and adherence to established site-specific safety plans and procedures
- Evaluating Construction Safety Plans to ensure compliance with operational safety of vehicular and pedestrian circulations affected by a construction project

In the end, we want all workers to arrive home in the same condition (or better) than when they arrived at the jobsite.

Inspection Plan

This goal starts with a comprehensive inspection plan that includes an organization chart and all the elements needed to manage the project. This plan takes a soup-to-nuts approach—from preconstruction meeting attendance, schedule review, and construction services, notice to proceed (NTP) issuance coordination, submittal coordination, full-time inspection and daily reports, material testing coordination, weekly progress meetings and three-week look-aheads, monthly schedule and field redline updates and pay applications, RFIs, change orders and cost accounting, prevailing compliance, permits, startup, commissioning, punch list and final job walks, and O&M manuals and warranties to project closeout services and final pay application and change order processing, compilation of project files and reports, and as-built review.

Claims Avoidance

The construction manager will employ comprehensive and effective risk mitigation, project controls, issue tracking and dispute avoidance methods and tools. We believe we can significantly reduce the number of potential claims because our proactive effort will drive settlement of issues as they arise. To help reduce a protracted claim settlement duration, we typically introduce a settlement period at the end of every phase of the project. All issues, changes, disputes, potential claims and actual claims will be settled at the conclusion of each phase. This is a benefit to both the District and the claimant. The longer disputes and claims drag out, the greater the potential that a multitude of issues get conflated into a confusing mess that the District's side cannot untangle. If this happens, the District has been set up for a total cost claim, and historically these claims have been settled by trying to “split the baby.” In this scenario the problem is that the District won't know the actual costs, and this will result in the District paying far more than the contractor ever spent.

Having a programmed settlement of all issues after every phase will add a level of protection for the District against the buildup of uncontrolled total cost claims. Once a phase is complete, the construction manager will settle all issues and associated costs and remove the possibility of the claimant compiling the current phase issues with the next phase and so on.

Preconstruction Conference

Ardurra will assist in conducting and attend a preconstruction conference with PWD, other design engineers, operations staff, and the construction contractor. Ardurra will facilitate a preconstruction review of the proposed construction schedule with PWD and the construction contractor. The scheduling specification requirements and format of the construction schedule will be discussed at the meeting. The objective of the preconstruction scheduling meeting is to facilitate timely submittal, review and approval of the construction contractor's baseline schedule with as few resubmittals as possible.

This conference will be used to discuss the items such as expectations, requirements, and/or standard procedures for the following:

- Responsibilities of the owner (PWD), the design team, and the contractor and communication protocol
- Regulatory and health and safety requirements
- Baseline schedule, critical path activities, schedule updates, and schedule of values
- Mobilization, site access, work hours, temporary facilities, and environmental controls
- Operation of existing facilities and coordination for tie-in to existing utilities
- Submittals, request for information (RFI), and contract modifications (e.g., change orders)
- Inspection and document control requirements
- Startup and commissioning requirements
- Project closeout and warranty requirements
- Payment applications
- Dispute resolution
- Other project-specific requirements

Progress Meetings

In terms of coordinating with the contractor, Ardurra will assist in conducting and attend weekly jobsite meetings. The purpose of these meetings is to keep key players informed, including the District, to ensure that the project is progressing as planned and to resolve problems in a timely manner. It also documents progress, work activities and relevant issues. A typical agenda for a progress meeting follows:

- Approval of previous meeting minutes
- Construction progress update
- Schedule review (planned vs actual)
- 4-week look-ahead schedule
- Submittal review
- Clarification request review
- Change order review
- Payment status review
- Review of action items (current/unresolved items)
- Jobsite safety review



Inspection

Ardurra understands the nuances of a construction project of this type. The mechanical and electrical installations require a seasoned inspector to verify that the installations are completed to the highest degree of precision. We will coordinate with the contractor to make sure that all of the appropriate equipment representatives are available for final installation and testing of equipment such as the initial “pump-bumping” and vibration analysis and testing of all special valves. **Manny Briones**, who is proposed as the full-time inspector, has also worked as general contractor in the water industry. Therefore, Manny has experience as builder and inspector on multiple projects of this type.

We also understand how important it is to get the electrical aspects of the project installed for a sound running facility. On our team is **KDC Systems**, a renowned electrical installation and inspection outfit that specializes in water facilities. KDC Systems will provide inspection of electrical and instrumentation installations; assist the contractor in testing and commissioning of the booster station; and be involved in closeout activities for electrical components of the project. KDC Systems will also be available for two site visits to provide offsite inspection services:

- Switchgear and MCC Factory Testing
- SCADA Cabinet Factory Testing

Manny will be the full-time inspector and provide inspection oversight for project compliance for onsite and offsite improvements, inclusive of all offsite pipeline and conduit installation, all onsite mechanical piping, building construction, concrete, asphalt, and striping. Manny will refer to the appropriate checklists from the Inspection Plan to verify the completion of the various elements of the project. Manny will monitor the contractor’s safety program, report any observed site safety irregularities or concerns to the contractor’s onsite management personnel, and will report the same to the construction manager.



We also understand that this project will require the inspection of specialized installations such as the structural elements of the booster station, and any required welding and coating. In addition to providing material testing **Bruin Geotechnical Services, Inc.**, will provide special inspectors to perform inspection on such installations, including special inspection of the reinforcement installation for the masonry booster station building.

Material and Geotechnical Testing

We understand the importance of having an accomplished material testing and geotechnical firm on our team. Bruin GSI is a highly experienced firm and recognized in the region to take on such tasks.

Bruin GSI will be ready to provide backfill compaction duties and will perform onsite testing and sampling of structural concrete for compressive strength analysis. Bruin GSI will also be available for sampling (such as grout sampling) and testing (i.e., compressive strength testing) of materials used for construction of the new CMU Booster Station building.

SCADA

We understand how critical it is to integrate the controls and communication with the current system. Our team has had experience with Pomona's Anion Exchange Plant, which required two contracted construction teams to integrate its systems to an existing platform.

We will provide our in-house SCADA expert **Chuck Reuck** to provide integration support during the critical electrical, instrumentation, communication, and control milestones of the project.

Document Tracking System

Complete and current project files shall be kept in Procore and always available to the District in real time. These files will consist of both CM and contractor contracts, correspondence relating to or modifying thereto, proposal requests, construction contract documents, NTP, NOC, permits, daily reports, weekly statement of working days (WSWD) reports, submittals, RFIs, field orders, change orders, claims inspection reports and test reports, etc.

Material Submittal and Shop Drawings Processing

The construction manager shall receive and distribute submittals in fast order. The construction manager shall track submittals for response. Timely processing, review, and response are critical to moving the project forward and maintaining activities on schedule. All submittals are managed through Procore.

Public Outreach

Achieving and maintaining positive relationships with all project stakeholders, including the community at large, is as important to Ardurra as we know it is to the District. Ardurra will seek a partnership with the District and the entire project team to develop and keep strong relationships between the District, the community, and local businesses that may be impacted by the project's construction activities. Our efforts will be to meet or exceed your stated goals and to minimize the impact of construction to the community.

We will work hard to maintain strong and robust communications regarding public concerns and keep the District well informed on all issues that may develop. We understand that the inspection team is the first line of communication with the public when the public has questions about the project. Our inspection team is well-versed with interacting with the public. We understand that there may be an interest from the public to be informed. We also understand that, at a minimum, we can offer to listen to and/or sympathize with the any potential concerns.

Our inspection team will be knowledgeable of the notification and outreach requirements of the contractor, such as construction signage, traffic control, and advanced notices of service interruptions.

We will plan ahead with the contractor so that these requirements are met.

Work Change Directives and Field Orders

We understand the importance of keeping the contractor on schedule and avoiding contractor "stand-by" matters. Our inspection team is adept in looking ahead of the planned installations and identifying any potential differences in actual field conditions compared to the construction documents.

To avoid disruptions to the pace of construction, our inspection team will utilize field order protocol to direct the contractor on matters that are not clear.

We will document answers to questions, as well as the instructions they provide to the contractor on the project. Documentation by the use of field orders is an efficient method of preserving all communication on the project for any future discrepancies or issues. The use of electronics to either scan the field order, or simply email the field order, is an excellent method of ensuring the proper documentation on the project. Our inspection team will use field orders to eliminate the lack of standard documentation on all directives issued in the field.

Conflict Resolution and Contract Change Orders

Our construction manager, **Oscar Gonzalez**, is skilled in determining whether contract changes are valid and negotiating a fair compensation in cost and time to the contractor. Our inspection team will work closely with District staff on the following:

- **Establish and implement a change order processing system.** Request a change proposal from the contractor and a detailed breakdown of cost and time extension for evaluation. All change orders and requests for proposals will be tracked in the Procore management database, which will be the basis for the change order report to PWD.
- **Evaluation of the contractor's change order requests (COR).** In the event of major scope changes during the construction phase, an estimate for this change will be prepared.
- **Negotiations of change order costs and time extensions.** Ardurra will advise the District of entitlement, acceptability of price, and time extension prior to the execution of any change order.
- **Drafting, review, and assessment of impacts to the project schedule and cost of each CCO.** Also included is the preparation of supporting documents necessary for approval of the CO by the PWD Board of Directors.

Closeout

Project closeout is akin to reaching the end zone in a football game. The last 10 yards are often the hardest to achieve. Ardurra will facilitate and coordinate the process of closeout to ensure that the 3M Booster Facility is fully functioning and meets the objectives of the District. Activities in which we will perform and/or assist the District include:

- **Punch Lists.** Ardurra will review, in conjunction with the District engineer and inspector, the project work noting both the status and quality of work in place. Items that are incomplete or defective are placed on a punch list, and the contractor will be required to make necessary corrections.
- **Record Documents (As-Builts).** We will monitor and perform coordination and expediting functions relating to the contractor's obligation to provide "as-built" documents. We also suggest, as part of the review of the General Conditions, that as-builts be included in the SOVs; and, if updates are not performed on a monthly basis, the District will have the prerogative of not paying the contractor for the "as-built" line item.
- **Startup, Operational Training and Operations Manuals.** Ardurra will ensure that procedures have been defined for systems startup and training of the District's personnel and that operations manual(s) for the facility have been compiled. Training programs will be conducted either by the systems installers or by specialty contractors. Objectives of this training include making sure that the District's personnel can:
 - Start, operate and shut down the systems efficiently and safely;
 - Efficiently maintain and, if appropriate, repair the systems;
 - Identify parts and service suppliers; and
 - Understand warranty terms and conditions.
- **Commissioning.** Ardurra will affirm that commissioning efforts provide documented confirmation that the facility's MEP systems fulfill the design criteria, function and performance requirements of the design team, District, and operators. To reach this goal, we establish a quality assurance checklist including a detailed review of the design documents, owner's criteria for system function, performance, and maintainability. We will also verify and document compliance with these criteria during installation, at startup, and operation through site inspection, pre-functional testing, functional testing and close coordination of the entire commissioning team's efforts for successful occupancy, and hand over of the project to the District.
- **Substantial Completion.** In conjunction with the District engineering staff, Ardurra will assess the remaining punch list work necessary for substantial completion and notify the contractor of any deficiencies. When incomplete work or defective work has been remedied, we will advise the District of acceptability of project completeness and recommend issuance of a certificate of substantial completion. In the event of remaining incomplete items that don't affect beneficial occupancy, Ardurra will recommend to the District the issuance of the certificate of substantial completion with exceptions noted.
- **Final Completion.** Upon completion of all punch list items, Ardurra and the District engineering team will make a final comprehensive review and report. This report will indicate whether Ardurra and the District engineering team find the work performed acceptable under the contract documents and the relevant project data and make recommendations as to final payment to the contractor.



E. PROJECT STAFFING AND AVAILABILITY



SECTION E. PROJECT STAFFING AND AVAILABILITY



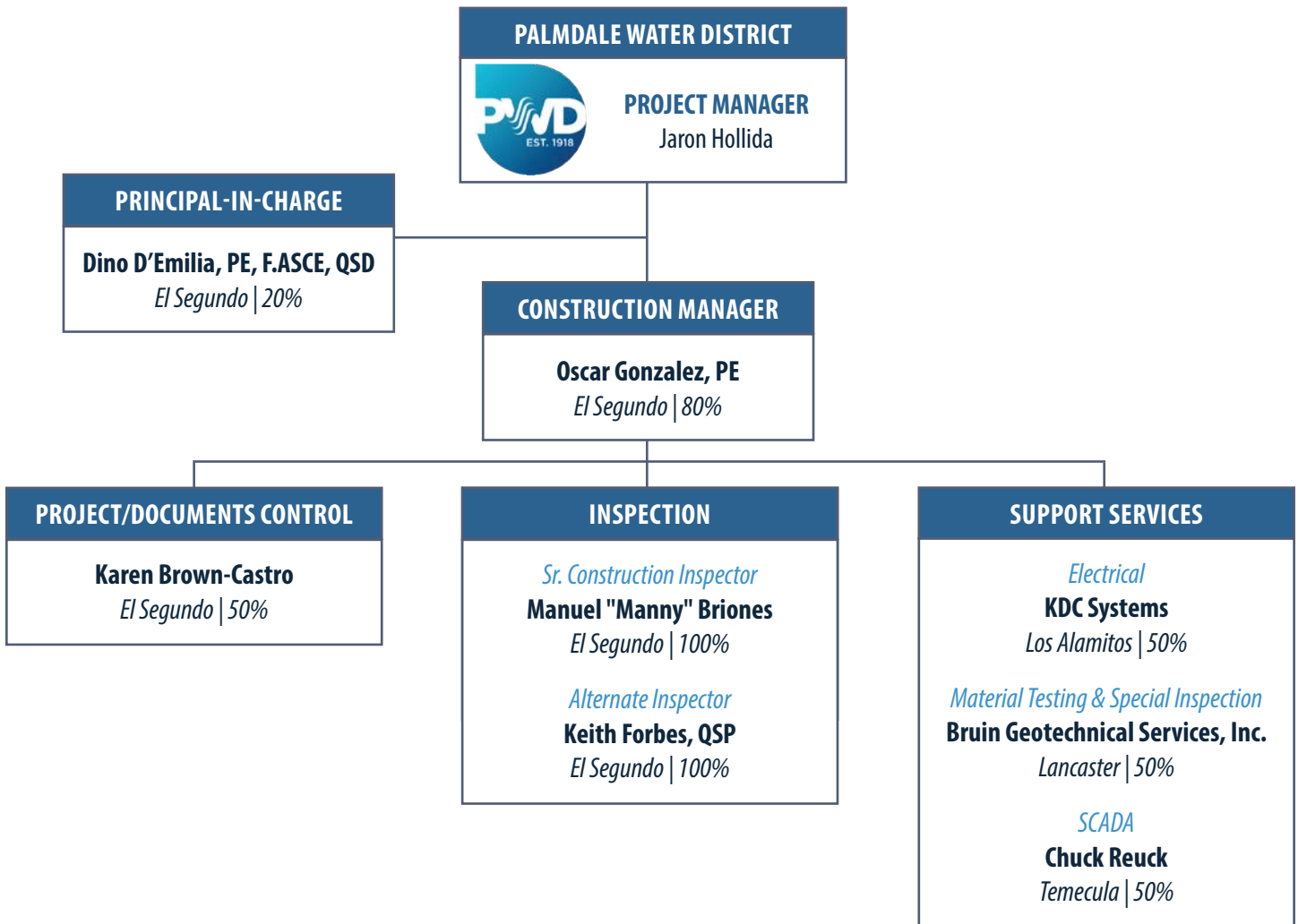
Our goal is to be a true partner with the District and to ensure that the District's Project Manager is always up-to-date on the status of each task so there are no surprises.

AN EXPERIENCED TEAM

Our team is comprised of highly competent and experienced professionals who have numerous years of experience and an excellent history of success delivering similar projects throughout California and has worked and coordinated with Southern California Edison.

The organization chart below identifies our core team of Oscar Gonzalez as construction manager and Manny Briones as our construction inspector, with project/documents control support from Karen Brown-Castro, SCADA systems support from Chuck Reuck, and electrical and material testing/special inspection services from our subconsultants KDC Systems and Bruin Geotechnical Services, respectively. Should Manny become unavailable, we have also included an alternate inspector (Keith Forbes) to keep the project moving forward. The organization chart also lists the office location and percentage available of these key team members.

3M Booster Station Replacement Team Organization



Our staff members are well-trained in problem solving. We process all issues with a sense of urgency and present our clients with suggested alternatives, cost and schedule affects, and recommended solutions that best suit the interests of the project and the client. Ardurra's effective and expeditious communication with all parties has enabled our team to identify conflicts, construction problems, and coordination issues early, thus minimizing delays and reducing cost.

Our inspectors have a keen ability to understand and interpret plans and specifications and are intimately familiar with the Greenbook (Standard Specifications for Public Works Construction), Caltrans Standard Specifications, and OSHA Construction Safety Orders. They consistently follow verbal and written instructions, communicate clearly and concisely, both orally, and in writing. Clients rely on our inspectors for their ability to:

- ~ Interact professionally with contractors, engineers, property owners, business owners, and the public at large.
- ~ Coordinate with other District personnel.
- ~ Promote quality customer service.
- ~ Respond promptly and courteously to requests.

KEY PERSONNEL

Below is a brief overview of the qualifications of our key personnel and followed by detailed resumes that include registrations, certifications, and relevant project experience. This team is committed to the successful completion of the 3M Booster Station Replacement Project. We understand that any change of key personnel must be approved by Palmdale Water District.

Dino D'Emilia, PE, F.ASCE, QSD

Principal-in-Charge | El Segundo | 20% available

Dino D'Emilia is the Project and Construction Management Services Group Leader for Ardurra and has delivered public works infrastructure projects valued at more than \$1 billion for public agency clients throughout Southern California. He brings more than 30 years of project and construction management experience as well as civil engineering on a wide array of public works projects, including water mains, sewers, and storm drains, as well as renewal and upgrade of freeways, city streets, and transit centers. Dino helps public agency clients minimize risk and maximize return on investment through direct project involvement and deep expertise in project and construction management. He is also recognized by peers and clients for his expertise in compliance with federal contract requirements and the Caltrans Local Assistance Procedures Manual (LAPM). As principal-in-charge, Dino will provide guidance and make sure the team has the necessary resources to successfully manage this contract effectively and efficiently.

Oscar Gonzalez, PE

Construction Manager | El Segundo | 80% available

Ardurra is proud to offer the services of Oscar Gonzalez, PE, as construction manager for this important contract. A California-registered professional engineer, Oscar has 35 years of experience providing project management and construction management and administration services on various phases of water and wastewater projects, ranging from planning and design to construction management and facility operations startup. He has successfully delivered water and wastewater infrastructure for treatment, conveyance, storage, and alternate delivery facilities throughout Southern California, including construction of the 6M Clearwell and Pumping Facility for Palmdale Water District. In addition to construction management, Oscar's skills entail coordination with city and agency staff; budget and cash flow development; schedule development/review; management of professional consultants and review of deliverables; permitting with cities and dry/wet utilities; and procurement of construction contractors.

Manuel "Manny" Briones

Construction Inspector | El Segundo | 100% available

Manny Briones has more than 40 years of experience that includes inspecting and overseeing work on pump stations, domestic and reclaimed water mains, sanitary sewer systems, wastewater treatment plants, as well as roads and bridges. He is an ACI Certified Concrete Field Testing Technician and OSHA 10-Hour Construction Safety certified. He has inspected numerous pump stations, waterline repair/replacement projects,

treatment plants, potable water wells and recycled water wells, water main lowering, fire service, water quality testing, sewer line and manhole replacements, trunk sewer installation, storm drain and catch basin improvements. Manny has also worked as a general contractor, so he brings that balanced perspective of a builder and inspector on these types of projects. Clients appreciate Manny for his in-depth knowledge of the construction process as well as his communication skills.

Keith Forbes, QSP

Alternate Construction Inspector | El Segundo | 100% available

Keith Forbes, QSP, has more than 30 years of construction inspection experience. A Certified Erosion, Sediment and Storm Water Inspector and a Qualified SWPPP Practitioner, Keith is OSHA construction safety certified and maintains multiple ICC and ACI certifications including Confined Space Entry, Working at Heights, Surface Extraction Operations, and Mining Exploration. He has inspected construction of pump stations; water mains and laterals; treatment plants; sewer lines; and stormwater improvements, as well as roadways, bridges, highways, light and heavy rail, and concrete structures.

Karen Brown-Castro

Project/Documents Control Specialist | El Segundo | 50% available

Karen Brown-Castro is a project controls and documents control specialist with more than 30 years of experience. She produces timely, accurate documentation for a variety of municipal public works and capital improvement projects. Karen completes, processes and archives construction documents related to cost estimates, project progress, payroll management, change orders, requests for information, and submittals. Karen helps enable smooth project communications, structured flow of submittals, and always knowing who has the ball in their court.

Chuck Reuck

SCADA Systems Expert | Temecula | 50% available

Chuck Reuck has more than 20 years of professional experience in the planning, design, construction, and implementation of instrumentation and control systems, particularly in the water and wastewater industry. Chuck has been responsible for the implementation and commissioning of SCADA servers, including SQL server failover clusters, Active Directory and group policy design, and Network Access Protection. He has designed new network layouts that increase system autonomy and redundancy and has been instrumental in troubleshooting radio network connectivity issues. He is adept at making sure any upgrades are conducted with minimal impacts to operations. His experience and training in security and Microsoft operating systems give him a unique skill set that allows him to address issues at a deeper level.



Education

BS/1991/Civil Engineering,
Northeastern University, Boston

Registrations

1996/PE/CA #C55453

Certifications

Fellow, American Society of Civil
Engineers (F.ASCE)
Qualified SWPPP Developer (QSD)
OSHA 10-Hour Certification

Professional Affiliations

Guest Lecturer in Construction
Management, CSU Long Beach,
College of Engineering, 2016
American Public Works Association
(APWA), Southern California
Chapter 2011 President and 2012
Congress Finance Chair
City Engineers Association
County Engineers Association
Construction Management
Association of America
American Society of Civil Engineers
Chi Epsilon, 1990-present

Honors and Awards

Top Leader, Private Sector, APWA
Southern California Chapter, 2004
President's Chapter Service Award,
APWA SoCal Chapter, 2004

Years of Experience: 31

Office Location: El Segundo, CA

Availability: 20%



DINO P. D'EMILIA, PE, F.ASCE, QSD

Principal-in-Charge

Ardurra's project and construction management group leader, Dino D'Emilia has delivered public works infrastructure projects valued at more than \$1 billion for public agency clients. He has played critical roles on infrastructure projects to build, renew and upgrade freeways, city streets, transit centers, pedestrian paths, light rail, water mains, sewers, storm drains, greenbelts, soccer fields, and recreation centers.

RELEVANT EXPERIENCE

La Palma Water Complex - Reservoir Rehabilitation and Pump Station Replacement, City of Anaheim, CA. Principal-in-charge for the construction management, inspection, and contract administration for the rehabilitation of a 4-MG tank-style reservoir and replacement of an antiquated pump station. Other work included demolishing a smaller outmoded reservoir and completing the shutdown of an inactive well. Other infrastructure improvements included a 500-gallon disinfection tank and an active well. In operation, the pump station pulls water from the reservoir and pushes it into the City's water distribution system. Improvements to the reservoir included a seismic retrofit and the installation of a new aluminum roof and a reservoir liner. The effluent pump station, with five pumps, was replaced with a more efficient four-pump model that increased pumping capacity.

On-Call Construction Management Services, City of Anaheim, CA. Principal-in-charge for CM services for \$8 million in capital improvement projects that have included Indiana Street Water Main Replacement Design-Build, Imperial Highway and Big Sky Lane Water Main Replacement Design-Build, Santa Ana Street Railroad Water Main Crossing with Metrolink/SCRRA, Citywide Sanitary Sewer Improvement Program/Projects – Group 6, and Fire Station No. 5 (**Winner of 2018 BEST Award from the Southern California chapter of the APWA**).

On-Call Public Works Inspection, Irvine Ranch Water District (IRWD), Irvine, CA. Principal-in-charge for multi-year contract to provide full-time public works inspectors for capital improvement projects and developer improvements in the agency's service area. Representative projects include installing water mains up to 12 inches in diameter, lowering water mains, house line connections, fire services, water quality testing, street resurfacing, potable water wells and recycled water wells for new communities, such as Orchard Hills and Laguna Alta.

On-Call Project Management/Construction Management/Inspection, Various Projects, City of Irvine. Principal-in-charge for this on-call contract. Since 2010, Ardurra has been providing the City with capital improvement-related construction inspection services, including assessment district and developer-related support. Selected projects include Marshburn Channel storm drain connections, the Agua Chion Phase 1 mitigation, the Ridge Valley 30-inch Reinforced Concrete Pipe Low Flow Line and new-home neighborhoods being developed by FivePoint Communities.

Sewer Main Rehabilitation Project, Phase 2, City of Manhattan Beach, CA. Principal-in-charge for delivery of construction management and inspection services. This \$1.7-million project installed sewer mainline replacements at four street locations in the south Sand section of the city.

Eshelman Avenue Water Main Replacement and Pavement Rehabilitation, City of Lomita, CA. Construction manager for this \$1.6-million project. The project constructed an 8-inch polyvinyl chloride (PVC) water main on Eshelman between PCH and Lomita Boulevard to replace an undersized 6-inch ductile iron water main. The project installed new fire hydrants, service laterals, valves, blow-offs and air release valves. The project included pavement rehabilitation and striping of Eshelman within the project area. Paving operations included cold milling of the entire roadway on Eshelman Avenue from

Lomita Boulevard to PCH. Inspection of ground surface resulted in elimination of all proposed crack sealing. The paving section consisted of a 3/8-inch leveling course, 3/8-inch chip seal and 2-1/2-inch ARHM overlay. Appurtenant work involved manhole and valve adjustments, thermoplastic striping, traffic loop replacement. The project required a Caltrans encroachment permit for traffic control and paving within the state right-of-way at PCH.

Commercial Sewage System Replacement, Rainbow Harbor, City of Long Beach, CA. Project manager developed an engineer's opinion of probable construction time (critical path method schedule) to be listed in bid documents. The \$690,000 project replaced a 20-year-old sewage pump-out system serving vessel operators at Rainbow Harbor in downtown Long Beach. Plans called for replacing a centralized underground twin-tank sewage pump-out system with seven smaller dockside peristaltic pumps. These improvements convert the system to a pressurized sewage disposal system. The project also involved replacing the hoses under gangways, installing new stainless-steel valves and repairing compromised PVC piping.

Los Amigos Park Storm Water Harvesting and Direct Use Demonstration Project, City of Santa Monica, CA. Principal-in-charge for Ardurra's construction management services for this \$2-million project that could serve as model for municipal water conservation programs throughout the region. The system intercepts an existing Los Angeles County storm drain line and diverts the flow of urban runoff to a treatment unit and storage tank for use in park irrigation and restroom sanitation, conserving potable water. Los Amigos was named 2017 Outstanding Small Project of the Year by the Metropolitan Los Angeles Branch of the ASCE.

Equipping of Well 12 in Mile Square Park, City of Fountain Valley, CA.* Project controls manager implementing contract administration system, construction management procedures manual and documents control system. The project involved a new pump station building and supporting pump and control systems equipment. Consulted on change order negotiations, claims avoidance and resolution.

Hollywood Reservoir Complex, Water Quality Improvements, Los Angeles Department of Water and Power (LADWP), Los Angeles, CA.* Assistant project manager for improvements involving preliminary engineering and alternative studies for a potable water filtration plant and 60-MGD covered finished water storage. Services included facility and site selection, facility and site layout, hydraulic studies, analysis of system improvements, cost estimates and coordinating presentations for community meetings. Served on total quality management committee to improve the project scoping process for the division.

Greenbelt Low-Flow Infiltration Project, City of Manhattan Beach, CA. Construction manager for this \$550,000 project to install a low-flow infiltration system in a municipal greenbelt to comply with increasingly stringent state water quality standards. The project accomplished this goal by intercepting the City's existing stormwater system at a nearby catch basin and diverting the flow into the new infiltration system. Current surface drainage now infiltrates into the system instead of carrying pollutants to downstream storm drains.

Roundhouse Marine Studies Lab and Aquarium, City of Manhattan Beach, CA. Principal-in-charge and project manager for the \$4.1M expansion and renewal of the City's registered historic landmark, the Roundhouse Aquarium on the Manhattan Beach Pier. Directed all aspects of the work, including relocating the aquarium's ocean creatures to temporary shelter during construction, then back to the completed facility. Managed the project throughout bidding and award, construction and commissioning phases. Procured the design, environmental, CM and QA consulting team and facilitated a consensus-driven design process. Coordinated and expedited the process of obtaining entitlements and permits. Assisted the City in coordinating the concurrent \$3M replacement of all major utilities along both sides of the pier as well as under the structure. The project also renovated the Roundhouse building's exterior shell. The project received a **2019 Merit Award from the California Chapter of the ACEC.**

Underground Utility Assessment District 09-1 (Coast Royal), City of Laguna Beach, CA. Principal-in-charge overseeing construction management and inspection services for this \$240,000 project to move overhead utilities underground in several upscale residential locations.

Belmont Plaza Pool Rebuild/Revitalization Project, City of Long Beach, CA. Project manager for the \$103.1M aquatics center replacing the now-demolished Belmont Olympic Pool. The new facility will host swimming, water polo, and platform diving events at the local, regional, and national levels. Represents the City and its interests in all negotiations, meetings, community outreach, entitlements, permitting, design management, and related activities. The project required extensive public outreach and implementation of a stakeholder advisory committee during the programmatic and conceptual design phases. Conducted bidability and constructability reviews assessing temporary facilities, demolition and the new facilities' project documents. Implemented the demolition of the prior, condemned facility and construction of necessary temporary facilities to continue operation of the aquatics department and required restroom and shower facilities while the permanent facility was planned, designed, and entitled.

**Work performed prior to joining Ardurra.*



Education

MS/1998/Environmental Engineering (Water/Wastewater)/California Polytechnic University, Pomona

BS/1994/Mechanical Engineering/California State University, Los Angeles

Registrations

2004/PE/Civil/CA # C66241

Years of Experience: 35

Office Location: El Segundo, CA

Availability: 80%



OSCAR GONZALEZ, PE

Senior Construction Manager

Oscar Gonzalez, PE, has an extensive background in project leadership, construction management, and civil engineering in his more than 30-year career. His public works expertise consists of wet and dry utilities, street improvements, and landscaping. He has successfully delivered water infrastructure for treatment, conveyance, storage, and alternate delivery facilities throughout Southern California. Oscar has managed various phases in the water practice, ranging from planning and design to construction management and facility operations startup.

RELEVANT EXPERIENCE

Plant 143 Improvements, East Valley Water District, Highland, CA.* Construction manager and resident engineer for the Plant 143 Improvements, which included construction of a new 5,300-gallons-per-minute (gpm) booster pump station and a 1-million-gallon (MG) welded steel storage break tank for air dissipation treatment and distribution of groundwater from the District's existing wells, as well as from future groundwater sources from other pressure zones. Developed a sequence plan with District staff and the contractor for connecting to the existing system. The project included furnishing, installing, startup and testing of mechanical piping, thermal insulation and appurtenances; flow meters and valves; motor control centers, variable frequency drives and controls; raw water bypass and meter and control valve; emergency generator connection provisions; fire protection systems; building support systems including plumbing, HVAC, electrical, and instrumentation; electrical and instrumentation wiring and interconnections; all structural, architectural, mechanical, electrical, plumbing, and distribution piping – including installation by mining and jacking, site grading and paving, utilities, drainage, yard structures; permitting; and operation and maintenance manuals covering all equipment. Duties included construction inspection, public outreach, change order negotiation, and contractor payment request review.

968 Reservoir and Pump Station Replacement, City of Glendale Water and Power Department, Glendale, CA.* Construction/project manager and resident engineer for the replacement of the 968 Reservoir and Pump Station, located at Chevy Chase Country Club. The project included demolition, construction of a 14.5-MG concrete reservoir, the construction of a new pump station, yard piping, concrete work, pumps and motors, modifications to the existing irrigation system, and electrical work. The project also involved HVAC, electrical, and instrumentation; electrical and instrumentation wiring and interconnections; all structural, architectural, mechanical, electrical, plumbing, and yard piping, site grading and paving, utilities, drainage, yard structures; permitting; and operation and maintenance manuals covering all equipment. Provided outreach to contentious residents who ultimately championed the project.

Anion Exchange Plant Expansion, City of Pomona Public Works Department, Pomona, CA.* Construction manager and resident engineer for the construction of the City of Pomona's Anion Exchange Plant Expansion project, which included demolition, relocation of the sodium hypochlorite system, installation of a new resin storage tank, salt storage/brine generation system, yard piping, concrete work, pumps and motors, modifications to the existing SCADA system to control the new salt storage/brine generation system, electrical work, and the installation and startup of the new Anion Exchange Plant.

Burbank Water and Power, Lamer Pump House, Burbank, CA.* Resident engineer providing construction oversight, schedule review, and client interface for mechanical and electrical equipment installation for the new pumping plant facility (Lamer Pump House) in Burbank. Participated in the installation of equipment including two 2,000-gpm pumps, switchgear and duct banks, site piping, wiring, and raceways.

City of Santa Monica Public Works, Moss Avenue Wastewater Pumping Station, Santa Monica, CA.* Project engineer provided construction oversight, design, submittal review, schedule review, client staff interfacing, and agency coordination for the mechanical and electrical equipment installation at the Moss Avenue Wastewater Pumping Station, which included four 6,000-gpm pumps, variable frequency drives, generator, switchgear, duct banks, site piping, wiring, and raceways. Agency coordination included Caltrans, Edison, Southern California Gas, and Los Angeles County Water Works.

The Preserve at Chino Land Development Program, Lewis Management Corporation, Chino, CA.* Director of construction for this \$20-million project involving the construction of backbone infrastructure and facilities that will serve new residential communities. Tasks included management and coordination of design and construction management consultants; review of design deliverables; review of the Sewer Master Plan; and managing the program to redesign and reconstruct street improvements to revised City ADA-compliant standards. The new construction consisted of wet utilities (including a lift station and force main), dry utilities, street improvements, masonry walls, and landscaping. The timeline for completion was aggressive, due to the scheduled opening days of the new communities.

Eván's Reservoir and Inlet/Outlet System, City of Riverside Public Utilities Department, Riverside, CA.* Construction manager and resident engineer for this **ASCE award-winning project**, which involved the replacement of a reinforced concrete reservoir and inlet/outlet system (72-inch and 60-inch-diameter steel cement-mortar lined and coated (CML&C)). The project included demolition and construction of a 16-MG concrete reservoir, yard piping, site concrete work, electrical work, startup and operation, and maintenance manuals covering all equipment. Construction and CM fees totaled over \$14 million.

Capital Improvement Projects, Golden State Water, Santa Fe Springs, CA.* District engineer (contracted) performing the tasks of construction manager and field engineer for all capital projects under construction. Coordinated all activities for construction services including contractor approvals, bidding, awards, contracts, inspection services, negotiations during construction, liaison with City and other agency inspectors, as-builts, and job closings. Completed field checks during design of capital projects; investigated and recommended solutions to engineering or system operational problems; maintained all capital and maintenance budgets; and supervised contract administrators, inspectors, engineering technicians, and other support staff performing all new business activities within the District—from initial contact with applicants, to preparation of final contracts and installation of facilities.

Storm Drain and Water Pipeline Project, City of Highland, CA.* Construction manager for this \$5-million project that consisted of the installation of over 17,000 lineal feet of new pipeline, including sewer, water line, and storm drain facilities. The project involved traffic control installation, public notification, and testing and disinfection of pipeline. Duties included constructability review, bid assistance, public outreach, change order negotiation, and contractor payment request review.

30-Inch West Pipeline Project, East Valley Water District, Highland, CA.* Construction manager for this \$1.4-million project that consisted of the installation of over 5,000 lineal feet of new potable water pipeline and involved traffic control installation, public notification, and testing and disinfection of pipeline. Duties included public outreach, change order negotiation, and contractor payment request review.

New Model Colony Infrastructure Improvements, NMC Builders, LLC, Ontario, CA.* Provided construction phase engineering and management for this project. Responsible for multiple aspects of delivering over \$65 million of infrastructure for the expansion of the City of Ontario annexation of the agriculture preserve, which included wet and dry utilities, roadway grading and paving, traffic signals, lighting, and striping. CM tasks included contractor change order negotiation and processing, construction inspection, RFI responses, contractor submittal review, schedule review, and monthly contractor progress payment review and approval. This project was bid with incomplete construction bid documents necessitating over \$10 million in negotiated change orders.

Concrete Drying Beds, South San Joaquin Irrigation District, Oakdale, CA.* Construction manager for this \$4-million project that involved the construction of two new concrete drying beds and related earthwork, piping, and appurtenances. The project expands the sludge drying capacity at the Nick C. Degroot Water Treatment Plant. The project required diligent change order negotiation and potential claims avoidance.

North Fontana Land Development Program, Lewis Management Corporation, Fontana, CA.* Director of construction for this \$43-million project involving the construction of backbone infrastructure and facilities that will serve new residential communities. Tasks included budget and cash flow development and review/updates; schedule development and review/updates; and management and coordination of design and CM consultants. The new construction included wet utilities, dry utilities, street improvements, masonry walls, and landscaping. The timeline for completion was aggressive, due to the scheduled opening days of the new communities.

**Work performed prior to joining Ardurra.*



MANUEL "MANNY" BRIONES

Inspector

Manny Briones has an accomplished career in the Southern California construction industry. His broad experience includes inspecting and overseeing work on pump stations, waterlines, sanitary sewer systems, wastewater treatment plants, and roads and bridges. He has performed inspection for civil, mechanical, structural and electrical applications. Clients appreciate Manny for his in-depth knowledge of the construction process as well as his communication skills. Manny is very knowledgeable about Caltrans protocols and specifications.

RELEVANT EXPERIENCE

Well No. 15 and Treatment Plant, City of Paramount, CA. Inspector/observer for the construction of a water well and related pumps, motors, valves, controls, and communications equipment; the construction of a secondary wellhead treatment system to remove iron, manganese, and arsenic from water prior to distribution; and the construction of a storm drain and sewer connections. The treatment plant had a bolted 80,000-gallon steel backwash holding tank from Columbian Tec Tank with a recycling pumping system. The new 18-inch-diameter well required treatment to filter out the naturally occurring manganese by injecting sodium hypochlorite to oxidize the dissolved manganese in the groundwater. The media in the filter would then scour and remove the oxidized manganese before the treated effluent water flowed into the distribution system.

Lower Saluda Sewer Lift Station and Well, Moulton Niguel Water District, Laguna Beach, CA. Inspector/observer for the rehabilitation of the lift station and the reconstruction of 40-foot by 30-foot wet well with polyurethane coating. Project also involved alternating quadruple pumps through 24- to 36-inch line from wet well to lift station.

Empire Avenue Pump Station, Burbank Water and Power, Burbank, CA. Inspector/observer for construction of a new pump station. The project included three new pumps and a sump pump, a backup generator, new switchgear, MCC, PLC and all related electrical and instrumentation. Manny provided inspection for civil, mechanical, and electrical applications.

Sand Canyon Reservoir Pump Station, Irvine Ranch Water District, Irvine, CA. Inspector/observer for construction of a new pump station. The project included new pumps, new switchgear, MCC, PLC and all related electrical and instrumentation. Manny provided inspection for civil, mechanical, and electrical applications.

LS-2 Pump Station Upgrade, South Coast Water District, Dana Point, CA. Inspector/observer for construction of a lift station upgrade, which included replacement of three centrifugal pumps, pump station building, and all related equipment such as new switchgear, MCC, PLC, VFDs as well as required electrical and instrumentation. Manny provided inspection for civil, structural, mechanical, and electrical applications.

Beachwood Pump Station, Burbank Public Works, Burbank, CA. Inspector/observer for construction of a sewer pump station upgrade. The project included three new pumps, new switchgear, MCC, PLC and all related electrical and instrumentation. Manny provided inspection for civil, mechanical, and electrical applications.

On-Call Inspection for Capital Improvements, Irvine Ranch Water District (IRWD), Orange County, CA. Inspector for public works and developer-related capital improvements projects in the IRWD service area. Inspected a wide range of improvements, including the installations of water mains up to

Education

ICBO Reinforced Concrete Training/
San Bernardino Valley College

Metrolink Safety Training

Certifications

ACI Certified Concrete Field Testing
Technician, #01163566

OSHA 10-Hour Construction Safety,
#001974244

Years of Experience: 45

Office Location: El Segundo, CA

Availability: 100%



12 inches, water main lowering, service and house line connections, fire service, water quality testing, street resurfacing, potable water wells and recycled water wells. Project locations included several master-planned communities, such as Orchard Hills (inspection); Santa Ana Heights/Costa Mesa (water infrastructure improvements); Laguna Altura Community Reclaimed Water Main (16-inch transmission main); Heritage Fields (domestic water main construction and installation); Heritage Fields (sewer main construction and installation); Stone Gate (domestic water main construction and installation); and Stone Gate (sewer main construction and installation).

Beachwood Emergency Force Water Main Pipeline Repair, City of Burbank, CA. Inspector/observer for removal and replacement of a leaking 18-inch sewer force main with a new 18-inch CMLC pipe 14 feet long. The project involved removing an asphalt roadway to locate the leak. Crews repaved the street after two 10-wheel trucks hauled away four loads of excavated asphalt.

Water Main Relocation, City of Santa Fe Springs, CA. Inspector/observer for the removal and relocation of the 8-inch, 12-inch and 16-inch water mains and appurtenances for the widening of the I-5 Freeway. Inspected the excavation of eight bore and receiving pits as well as work to jack the steel casing and install the pipes in the housing. Observed the open cut and installation of various diameters of a ductile-iron water main pipe. Monitored reconstruction of the trench lines and the base paving of the streets. Worked closely with the City Engineer and Caltrans engineers to keep the project on schedule, with minimal inconvenience to businesses and the public.

Olivewood Avenue 24-inch Water Main Bore-and-Jack Project, City of Riverside CA. Inspector/observer for the installation of 24-inch CMLC pipe for the water mainline under the I-215/SR-91 Freeway. This project was done in conjunction with the SR-91 HOV Lane Project. Work involved the excavation of the bore and receiving pits for the bore and jacking of the 30-inch steel casing and the installation of the 24-inch CMLC water main. Collaborated with railroad company officials, due to the project's proximity to railroad tracks. Worked with the City Engineer and contractor to keep the project on schedule and within budget.

Relocation of 30-inch Eastern Transmission Line, Moulton Niguel Water District and City of San Juan Capistrano, CA. Inspector/observer for relocation of a 30-inch concrete mortar-lined cement water transmission main. The project involved microtunneling about 125 linear feet under Oso Creek.

Headlands Development Project, South Coast Water District, Dana Point, CA. Inspector/observer for installation of 8-inch and 12-inch water mains and appurtenances. Inspected construction

involving fire hydrants, air vacs, pipeline disinfection and hydrostatic pressure-testing.

10th Street Water Transmission Main, City of San Bernardino, CA. Inspector/observer for installation of a 60-inch ductile iron pipe water transmission main. The project was in a highly congested area of downtown San Bernardino and involved the installation of more than 500 feet of a 78-inch tunnel under the I-215 Freeway and the Burlington Northern/Santa Fe tracks.

Installation of New Water Main, City of Yorba Linda, CA. Inspector/observer for the construction of the new 8-, 12-, and 16-inch CMLC water mains on Banstanchury Avenue and Imperial Highway. Inspected the water mainline installation and the bore and jacking of a 28-inch steel casing to hold a 16-inch water mainline carrier pipe. Updated the City engineers on project progress. Kept the project on schedule and served as a liaison to the public, responding to questions or concerns.

40-inch/36-inch/30-inch Water Main Relocations at 60/215 Freeways, City of Riverside, CA. Inspector/observer for water main relocations involving three bore-and-jack operations with 60-, 48-, and 42-inch casings in 50-foot-deep bore/receiving pits. The three water mains were installed under the 60 Freeway/215 Freeway Interchange.

Mainline Sewer Installation, City of Yorba Linda, CA. Inspector/observer for the excavation and installation of 8-, 10- and 12-inch sewer mains. Inspected installation of the sewer mainlines on Banstanchury Avenue and Imperial Highway. Observed the backfilling and compaction of the trench line and road repaving. Partnered with Yorba Linda Water Department engineers and the contractor to ensure that the project stayed on schedule and within budget. Served as liaison to the public on project progress and responded to questions and concerns.

Colorado Avenue Ocean Relief Project, City of Santa Monica, CA. Inspector/observer for the Colorado Avenue/Ocean Avenue sewer system improvements. The project involved microtunneling under the I-10 Freeway to install two 42-inch high-density polyethylene sewer lines. The project also fabricated sewer manhole structures, installed larger sewer manholes, upgraded waterlines and installed water service lines.

6-MG Prestressed Concrete Reservoir, City of Ontario, CA. Inspector/observer for the over-excavation and recompaction to build a concrete reinforced reservoir pad. Observation included underground perforated pipe installation for leak drainage and placement of rebar for concrete pad including inspection of seismic cable installation.



KEITH FORBES, QSP

Alternate Inspector

Keith Forbes, QSP, has more than 30 years of construction inspection experience for public agencies, including local, regional, state and federal, as well as large commercial and industrial clients. Keith has substantial experience with water utilities including waterlines, water mains with laterals, hydrants and individual house connections, and overall water services as well as wastewater and stormwater improvements. His specific project experience includes roadways, bridges, highways, light and heavy rail, concrete structures, liquid natural gas (LNG) storage tanks, mining/tunneling, bulk earth works, LNG plants and field compression stations, coal preparation plants (CPP), petroleum refineries as well as engineer procure and construction management (EPCM) projects. Keith is well-versed at addressing the rigorous administrative and quality assurance requirements of various funding requirements.

Education

Columbia College/Sonora
U.S. Army Corps of Engineers Training

Certifications

Certified Erosion, Sediment and Storm
Water Inspector (CESSWI), #4695
Qualified SWPPP Practitioner (QSP),
#25929
NICET Railway/Subway Certification
Confined Space Entry
Working at Heights
GI Safety Induction (Coal Surface)
Resources and Infrastructure Industry
Supervisor's Course
Communicate Information,
#MNCG1009/#RIICOM301;
Certificates II and III in Surface
Extraction Operations,
#RII20209/#RII30109
Certificate III/Mining Exploration
Four-wheel Drive Vehicle, #RII30509

Years of Experience: 33

Office Location: El Segundo, CA

Availability: 50%



RELEVANT EXPERIENCE

Reclaimed Water Line, City of Ceres, CA.* Senior inspector for construction of 12.5 miles of 24-inch C900 PVC underground reclaimed waterline and a pump station from the Ceres wastewater treatment plant to the Turlock water treatment plant. Project included air release valves, blow-off valves, thrust blocks, backfilling and compaction.

On-Call Inspection Services, City of Lake Forest, CA. Public works inspector for construction of capital improvements citywide. Performs wide range of inspections involving construction of new homes in the Shea Baker Ranch master-planned community. Inspecting mass grading and final precise grading for new homes in Baker Ranch neighborhoods, such as The Landing (Shea Homes), Parkside (Toll Brothers) and Encanto (Meritage). Inspections address a variety of elements, such as construction of storm drains, area drains, curbs and gutters, sidewalks, ADA ramps, street lighting and wet and dry utilities. Inspects all projects requiring encroachment permits. Also performed grading inspection for two restaurants and a U-Haul facility.

Elk Grove Florin Road Water Main Improvements, Elk Grove Water District, Elk Grove, CA.* Inspector for the replacement of a 1,500-linear foot, 16-inch C900 ductile iron pipe waterline, including 17 one-inch water services, air relief valves and three hydrant services for residents and local businesses. Monitored bacteriological testing for compliance with specification requirements.

New Tract Division Development Utility Installation, City of Roseville, CA.* Inspector for new 1,100-linear-foot, 18-inch C900 pipe water main, including 12 one-inch water services, valves and air relief valves, storm drain and sewer systems, two hydrants and associated structures. Coordinated hydro-testing and bacteriological testing of water main.

Waterline Relocation at Millbrae Avenue, Bay Area Rapid Transit (BART), Millbrae, CA.* Inspector for relocation of an 800-linear-foot, 24-inch C900 pipe water main and two 6-inch laterals for future hydrants for a BART station. Monitored hydro-testing and bacteriological testing of main line and services for residential and business properties.

223rd and Abalone Improvements, City of Torrance, CA.* Senior inspector for comprehensive infrastructure and road improvements for \$2-million project. Coordinated closely with the City's staff, contractor and the public to complete this project on time and within budget. The improvements included street reconstruction, overlays, curb and gutter, storm drain, waterlines, sewer and landscaping. The utilities portion of the project included a new deep sewer line and a 16-inch C900 water main with fire hydrants, water services, gate valves, backflow preventers and air release valves, hydro-testing and

bacteriological testing. Project was compliant with Torrance Municipal Water District and AWWA standards.

Water and Storm Drain Installation Improvements, City of Elk Grove, CA.* Senior inspector for the inspection and documentation of a new 16-inch water main. Inspections addressed fire hydrants, one-inch water services, air release valves, backflow preventers, gate valves and thrust blocks. Project included a new 48-inch RCP storm drain with manholes and pavement overlay. Performed hydro-testing and bacteriological testing in conformance with AWWA and Florin Resource Water District standards.

New Subdivision Infrastructure, City of Rocklin, CA.* Senior inspector for the construction inspection and documentation of new subdivision infrastructure, including water mains, residential services, hydrants, backflow preventers, air release valves, tees, hydro- and bacteriological testing documentation. Project involved stormwater and sewer line installation, laterals curb and gutter and sidewalks.

New Subdivision Projects, County of Mesa, AZ.* Inspector for subdivision projects involving all underground utilities. These included water mains, laterals, hydrants and individual house connections, sewer lines and storm drains, including associated structures. Monitored waterline services installations, hydro-testing of mains and laterals and coordinated bacteriological testing of services and main lines.

Water and Sewer Main Infrastructure Upgrades, Public Utilities Commission, City of San Francisco, CA.* Senior construction inspector for this \$8.5-million project that included 24-inch water main and sewer main installation along with concrete structures.

Torrance Transit Park and Ride Regional Terminal, City of Torrance, CA. Senior public works inspection for a flagship terminal for the City's 11-route agency, Torrance Transit, and other public transportation providers. This LEED v2009 Gold project includes parking for buses and automobiles, covered passenger boarding areas, offices, employee break areas and retail spaces. The project also involves off-site improvements for the installation of required utilities, the widening of Crenshaw Boulevard and construction of an extension of 208th Street as well as related improvements.

Wastewater Treatment Plant No. 3 Expansion, Public Works Department, City of Bakersfield, CA.* Senior construction inspector for \$373-million project that included civil works, process piping above and below ground, CMU block and concrete structures, concrete storage tanks and underground conduit duct banks.

Oso Creek Multi-Use Trail, City of Laguna Niguel, CA. Inspector for \$3-million project to construct multi-use trail. The trail is located along Oso Creek Channel between the Laguna Niguel Metrolink Station

and Three Flags commercial center. The project involved building contiguous bicycle and pedestrian/equestrian trails, stormwater control and treatment best management practices, landscaping, lighting and street improvements. The project was partially on City street right-of-way and partially on Orange County Flood Control District right-of-way for the Oso Creek Flood Control Channel. Ardurra provided grant funding services for two grants, one from the OCTA Tier 2 Environmental Cleanup Program, the other a State Water Resources Control Board (SWRCB) Proposition 84 Stormwater grant.

2017-22 Street Pavement Maintenance Rehabilitation Project, City of Corona, CA. Interim construction inspection services that involve localized removal and replacement of failing asphalt sections, grinding and overlay, crack sealing, application of ARAM, and slurry sealing approximately 68 lane miles of local and major street. There is also removal and replacement of PCC ADA ramps.

La Cienega Boulevard and Fairview Boulevard, City of Inglewood, CA. Inspector for federally funded roadway project to improve traffic safety and ease congestion. This project involved widening Fairview Boulevard between La Cienega and La Tijera boulevards and constructing dedicated right- and left-turn pockets at Fairview Boulevard and La Cienega. Upgrades included traffic signal improvements, masonry retaining walls, concrete sidewalks and driveway ramps, cross-gutters, curbs and gutters, pavement resurfacing and striping. The project included rough grading, road excavation and compaction, asphalt paving over a compacted base and sub-grade preparation.

Cherry Avenue Widening, City of Signal Hill, CA. Inspector for the first phase of project extending from 230 feet south of Pacific Coast Highway (PCH) to the 19th Street intersection. Services for this federally funded project were provided in compliance with federal standards and requirements, as detailed in the Caltrans LAPM.

Pedestrian and Parking Lot Enhancements, City of Santa Monica, CA.* Lead inspector for multi-faceted, fast-track public improvements project. Project elements included streetscape improvements, pedestrian crosswalks, curb extensions, street realignments, sidewalk widening, landscaping, parking lot reconstruction, traffic signal improvements, drainage improvements, utility coordination, street reconstruction and overlays, and street and parking lot slurry seal. Construction was coordinated with five other projects scheduled for construction in the same time frame.

**Work performed prior to joining Ardurra.*



Education

California State Teaching Credentials/1991/English/University of California Los Angeles

Human Resources Management, Business, Marketing, Real Estate Principles

Coursework/2014/Northwood University at Cerritos College

Professional Affiliations

Construction Management Association of America

California Teachers Association

Years of Experience: 36

Office Location: El Segundo, CA

Availability: 50%



KAREN E. BROWN-CASTRO

Project/Documents Control

Karen E. Brown-Castro's 30-year career includes project leadership for major educational facilities capital improvements, as well as project and construction management experience in light commercial properties and residential single-family and multi-family home renovation projects. She excels at program design and implementation, impact measurement and outcomes, compliance oversight, budget development and adherence, and building strong relationships. Karen's expertise includes administering and overseeing construction contracts and change orders, drafting designs, hiring subcontractors, pulling permits, meeting with city planning/design review/historic preservation on variance requests, meeting with building inspectors and supervising corrections as needed—all while maintaining budgets and schedules.

RELEVANT EXPERIENCE

Torrance Transit Park and Ride Regional Terminal, Torrance, CA. Assistant project/construction manager for this \$22-million project that includes the Leadership in Energy and Environmental Design (LEED) certified, 15,000+ square foot Terminal Transit building that incorporates retail, monthly pass sales, and infrastructure for ticket machines and real-time passenger information technologies. Also included in this cutting-edge construction project are operator layover areas and amenities, offices, security offices and communication rooms, training and conference rooms, and storage. Oversight includes the construction of bus berths, layover space, drop-off zones, a 250-space parking lot, and passenger information kiosks.

Cypress Police Department Modernization, Cypress, CA. Assistant project/construction manager for this \$4.8-million project that included state-of-the-art renovation, modernization, and technological enhancements to the interior of this 20,000-square-foot, 2-story building. Construction included new electrical, HVAC, office space, conference rooms, restrooms/locker rooms, evidence room, an outdoor patio, as well as seismic retrofitting of the building. The project required substantial coordination with the Police Department to relocate police personnel to temporary trailers during construction.

Polliwog Park Lower Playground Replacement Project, Manhattan Beach, CA. Assistant project/construction manager for this \$3.7-million project that includes the removal and replacement of out-of-service play equipment, play surface, fencing, as well as renovation of parking lots and walkways. The new playground will include a pirate and beach themed playground designed using a community consensus process, complete with new play surfaces and shade structures.

Laguna Hills Civic Center Suite 160 Tenant & Site Improvements, City of Laguna Hills, CA. Project/documents control specialist responsible for labor compliance/certified payroll. Improvements include demolition, carpentry, concrete, electrical, plumbing, doors/windows, HVAC, mechanical, furnishings and finishes.

Boyle Avenue School Construction, Los Angeles, CA.* Project director provided oversight for the construction of this \$25-million state-of-the-art facility to house an adult school, preschool, and community center. The two-story, 40,000-square-foot building sits on 1.98 acres on Boyle Avenue in east Los Angeles.

Boyle Avenue Building Renovation, Los Angeles, CA.* Chief operating officer oversaw a \$4.5-million capital improvement project to convert an adult school into a multi-use facility containing an elementary charter school and an adult school. Coordinated with the architect, construction managers, and County Board of Education. Reviewed and approved change orders. Provided heavy design input/changes relating

KAREN E. BROWN-CASTRO | ARDURRA | Page 2

to the color schemes, paint, flooring, millwork, art, and furniture in the classrooms, reception area, staff offices, common spaces, and restrooms. Assisted with solving design/permitting egress challenges of this multi-story building housing children. During preconstruction, helped solve student/staff parking challenges by identifying and negotiating temporary property leases and reconfigured the traffic flow for student drop-off and pickup areas. Met with the City regarding the need for new traffic signals on Boyle Avenue.

Century Boulevard and Western Avenue School Conversion, Los Angeles, CA.* Chief operating officer oversaw a \$3.4-million capital improvement project to convert a community center into a multi-use facility containing an elementary charter school and an adult school. The 31,000-square-foot building sits on 2.6 acres in south Los Angeles. Was integral in the acquisition of the lots and properties in the area. Coordinated with the architect, construction managers, and County Board of Education. Reviewed and approved change orders. Provided heavy design input/changes relating to the color schemes, paint, flooring, millwork, art, and furniture in the classrooms, reception area, staff offices, common spaces, and restrooms. During preconstruction, she helped solve student/staff parking challenges by identifying and negotiating temporary property leases, reconfigured traffic flow for the student drop-off/pickup areas.

Private Residential Home Renovation Projects, Los Angeles County, CA.* With more than 30 years of construction experience, Karen personally purchased and renovated 56 residential homes with a portfolio value of over \$50 million. She has maintained consistent net gains ranging between \$75,000 and \$500,000 per project. She is responsible for property negotiation and acquisition, hiring and supervision of subcontractors, contract and budget oversight, design, and sale negotiations. In a two-year span, Karen identified and oversaw the conversion seven existing garages into accessory dwelling units (ADUs), increasing the combined value of the properties by \$18 million. Other highlights of her residential renovation projects include the following:

- **Graham Project, Pacific Palisades, CA.** Project manager oversaw the \$2.8-million expansion and renovation of a hillside, waterfront home. Acted as owner's agent in contract oversight and negotiations, city representation, coastal commission, etc.
- **Keck Project, Pasadena, CA.** Project manager oversaw the \$1.7-million renovation of a historic Pasadena property. Worked with architects and historic designer team, represented owner at all city meetings, and oversaw contracts and change orders.
- **Dogherty Project, Arcadia, CA.** Project manager/designer designed and oversaw a \$400,000 kitchen and family room expansion, bathroom renovation, and ADU conversion.

**Work performed prior to joining Ardurra.*



CHUCK REUCK

SCADA

Chuck Reuck has more than 20 years of professional experience in the planning, design, construction, and implementation of instrumentation, and control systems, particularly in the water and wastewater industry.

RELEVANT EXPERIENCE

1724 – Electrical Infrastructure Improvements (EII) & Digester Gas Beneficial Use Program SCADA Integration and Coordination, San Bernardino Municipal Water Department, CA.

Construction manager for the EII project that involved installing over 4,000 LF of mega duct bank in order to energize the new equipment constructed as a part of SBMWD's Digester Gas Beneficial Use Program. This project also included the addition of BLM switchgear and a new transformer to switch the power from SCE to plant power. Chuck assisted the SBMWD in completing this project, coordinating with SCE and ultimately transferring the electrical power to SBMWD's onsite fuel cell, which takes digester gas and converts this to electricity to be used onsite for the WRF. Chuck performed all of the SCADA integration work to make all of the projects operational. Construction value of this project was \$5M.

DCS System Upgrade Project, Elsinore Valley Municipal Water District, CA. Acted as owner's representative during DCS upgrades of the District's largest wastewater treatment plant, ensuring vendor performed upgrades with minimal impacts to operations. Oversaw all upgrades and coordinated all commissioning efforts with staff. This included replacing legacy Modicon PLCs with remote I/O.

SCADA Extension of Staff, City of Oceanside, CA. SCADA consultant provided project management and design services for the upgrade of the City's SCADA system. Responsible for upgrades to software and hardware for four treatment plants and over 70 remote sites. The work involved replacing two legacy iFix systems and one standalone InTouch system with Wonderware System Platform as well replacing over 100 PLCs. Designed new network layouts that increase system autonomy and redundancy. Was heavily involved in troubleshooting new 2.4 GHz radio network connectivity issues. Additionally, assisted with implementation of new WIMs for department wide use. While working at the City, he attended the Water Loss Prevention class and assisted Oceanside staff in data gathering for their annual water loss audit for 2017 and 2018.

SCADA System Upgrade Project, City of Ottawa. Assistant project engineer responsible for the implementation of SCADA servers, including SQL server failover clusters, active directory and group policy design, and Network Access Protection (NAP) using 802.1x security.

Northwest Recycled Water SCADA Top-End Design and Implementation, Inland Empire Utilities Agency, CA. Assistant project engineer responsible for the design and implementation of SCADA servers, software, networking, and Microsoft operating systems. Other responsibilities included the development of the Operational Database Management System (ODMS) based on Rockwell Software's OSI-PI database, testing and commissioning procedures, O&M manuals, reporting, and fully commissioning a pilot SCADA system. Inland Empire Utilities Agency has put very high importance on this project due to it being the basis for the new SCADA system that will control IEUA's entire system.

Twin Oaks Valley Water Treatment Plant, CH2MHill, CA. Assistant project engineer responsible for the PLC programming of the chemical control processes for the world's largest submerged membrane water filtration plant. The PLC platform was Allen Bradley ControlLogix. Created over 20 custom reports for compliance and monitoring purposes using Microsoft Excel and T-SQL. Configured several Thin clients and terminal servers utilizing ACP ThinManager software.

Education

SAN Institute Industrial Control System Cyber Security Course/2017
 MBA/2005/California State University, San Marcos
 Certificate in Concurrent Design and Engineering Manufacturing 1996/
 San Diego State University
 BS/1987/Mathematics/University of Washington

Certifications

Microsoft Certified Systems Administrator (MCSA)
 Certified Wonderware Developer
 Certified Maximo Administrator
 Certified Master Water Distribution System and Sanitary Sewer System Modeler, Bentley Systems, Inc.
 Certified Nessus Auditor

Years of Experience: 20

Office Location: Temecula, CA

Availability: 50%



Integration Manager.* Responsible for managing 10 system integrators responsible for SCADA design and implementations for water and wastewater agencies. Other responsibilities were to manage multiple projects to ensure they met schedule, scope, and budgets using earned value techniques. Also assisted in proposal development, company corporate strategies, and company business development.

Senior Software Engineer.* Responsible for planning, designing, and configuring SCADA system servers and associated network hardware for water and wastewater agencies. Other responsibilities included drafting project proposals and developing master plans and preliminary design reports. Chuck was also heavily involved with configuring SCADA servers, software, operating systems, and network switches.

Capital Facilities Coordinator, Vallecitos Water District, CA.* Responsible for all aspects of contract management including, but not limited to, developing SCADA system upgrade specifications and monitoring contractor progress during the implementation phase. Served as SCADA and IT representative on the District's vulnerability

assessment team. Served as project manager for various capital facilities projects including tank recoating, pump station replacement, outfall slip lining, new construction, and rehab work. Also responsible for managing the District's Maximo CMMS implementation. Designed and oversaw the installation of 13 sewer manhole monitoring RTUs. His routine duties involved performing hydraulic water modeling of proposed developments and new facilities.

Applications Specialist.* Responsible for creating HMI databases and displays, and configuring alarm notification software. Configured all desktop computers and printers, as well as assisted in system startup of two water agency SCADA systems with a total of 100-plus remote facilities. Also responsible for programming multiple HMI applications including Wonderware and FactoryLink for water agencies, configured a 35-node radio network utilizing spread spectrum radios, developed O&M manuals for water agencies, and conducted operator training for agency staff.

**Work performed prior to joining Ardurra.*



Registrations

Radiation Safety Officer, State of California

ICC, Licensed Deputy Inspector, Structural Concrete

ACI

Certifications

Caltrans Certification of Proficiency in Sampling and Testing of Construction Materials

Radiation Safety and Use of Nuclear Soil Gauges

ACI (Level 1)

ICC Licensed Inspector - Structural Concrete

ICC Licensed Inspector - Soils

Radiation Safety Officer

Hazardous Waste Worker Training Program in accordance with 29CFR 1910.120

Years of Experience: 36

Office Location: Lancaster, CA

Availability: 50%

MARK STEVENS

Material Testing and Special Inspection

Mark Stevens is a director of geotechnical services at Bruin Geotechnical Services, Inc. Mark has experience with all types of geotechnical projects throughout his career. He has performed numerous soil investigations and provided geotechnical project management for mass grading, hillside grading, large solar facilities, large warehouse/industrial, capital improvements with municipalities as well single-facility residential projects.

Mark oversees the geotechnical, deputy inspection and material testing aspects of all projects. He conducts quality control of inspectors and technicians; oversees all laboratory testing/quality control management; prepares reports (geotechnical/percolation); and provides pavement design analysis, accounting, AR/AP supervision, client interface, budget and cost proposal preparation.

His communication and service-oriented attitude along with his years of experience and knowledge keeps projects on track and within budget. He has worked for numerous types of clients, including municipalities, engineering firms, lending institutions, developers, and military installations.

CONCRETE EXPERIENCE

- Receiving of all concrete samples, schedule of laboratory testing, and overseeing of concrete compression strength testing, beam flexural strength, review of concrete mix designs, preparation of test reports, ACI requirements and testing performed by lab technicians.
- Knowledge of all ASTM and AASHTO test procedures for soils and materials, including aggregate testing (gradation, specific gravity, sand equivalent abrasion by Los Angeles machine, durability, soundness by sodium sulfate method, Atterburg limit, etc.), capping and compression testing of concrete test specimens.
- Review of concrete mix design and project management, scheduling of inspectors and technicians, quality control of field and laboratory testing, inspectors and technicians

ASPHALT EXPERIENCE

- Receiving of all asphalt samples, schedule of laboratory testing, overseeing of asphalt concrete laboratory testing, review of mix designs, review of density test results and laboratory test results and overseeing testing performed by lab technicians.
- Knowledge of all ASTM and AASHTO test procedures for soils and materials including determination of asphalt oil content by extraction in centrifuge, aggregate tests (gradation, sand equivalent, etc.), moisture content of paving mixtures, resistance to plastic flow using Marshall apparatus, density and specific gravity of core samples.
- Quality control supervision of all inspectors and technicians for field and laboratory testing.

SOILS EXPERIENCE

- Receiving of all soil samples, schedule of laboratory testing, overseeing field technicians, projects and testing performed by lab technicians, preparing geotechnical and percolation reports, review test data, preparation of cost estimates, client interface and pavement designs.
- Knowledge of all ASTM and AASHTO test procedures for soils and materials including maximum density and optimum moisture (ASTM D 1557, D698), consolidation properties of soil samples (ASTM D 2435), direct shear (ASTM D 3080), particle size (ASTM D 422), preparation of soil samples (ASTM D 421, D 2217), determination of moisture content (ASTM D 2216), classification of soils

MARK STEVENS | BRUIN GEOTECHNICAL SERVICES, INC. | Page 2

(ASTM D 2487, 2488), swell testing (ASTM D 4546), plasticity index (ASTM D 4318).

- Scheduling of inspectors and technicians, project management from preliminary design through construction phase.

REPRESENTATIVE EXPERIENCE

- Staybridge Suites, Palmdale, CA
- Cinemark Theatre, AV Mall, Palmdale, CA
- Western Antelope Blue Sky 25 MW Solar
- Lancaster Municipal Stadium, Lancaster, CA
- Lancaster Littlerock 5 MW Solar Facility
- Heller Development, 600 SFR
- Michaels Warehouse, Lancaster, CA
- Del Sur Ranch 80 MW Solar Facility
- Rite-Aid Distribution Warehouse, Lancaster, CA
- Cinemark Tinseltown, Lancaster, CA



Education

BS/Civil Engineering/California State Polytechnic University, Pomona

Registrations

2012/PE/Civil/CA #79729

Certifications

Construction General Permit Qualified SWPPP Practitioner

Qualified SWPPP Developer

Professional Affiliations

American Society of Civil Engineers

Years of Experience: 18

Office Location: Lancaster, CA

Availability: 50%

RYAN DANIEL DUKE, PE, QSP, QSD

Material Testing and Special Inspection

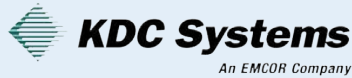
Ryan Daniel Duke, PE, QSP/D, is a principal engineer at Bruin Geotechnical Services, Inc. He has managed numerous commercial, industrial and residential projects. These projects demanded sensitivity to cultural and political concerns, and stringent economic considerations. His vast knowledge of agency codes applied to engineering design has proven critical as well as cost-effective in developing products.

As the principal engineer of Bruin GSI, Ryan's responsibilities include organization, personnel, qualitative decision making, financial management, public relations, and direct supervision of all engineering. He is directly involved with research and reports; soils analysis; project supervision and administration; cost feasibility studies; public appearances; engineering design; planning and scheduling; working with governmental agencies; and obtaining state and federal grants.

RELEVANT EXPERIENCE

Ryan has managed projects for the following federal, state, and local agencies:

- City of Palmdale
- City of Lancaster
- City of Victorville
- County of Los Angeles
- Army Corps of Engineers
- Department of the Navy
- China Lake Naval Weapons Center
- NASA
- Edwards Air Force base
- Fort Irwin



Education

B.Eng/Electrical Engineering & Control Systems/University of Victoria, Victoria, British Columbia

Registrations

Registered Professional Engineer, Province of British Columbia

Years of Experience: 23

Office Location: Los Alamitos, CA

Availability: 50%

GREG ESO

Electrical

Greg Eso is a senior engineer at KDC Systems. He has extensive experience developing and implementing and validating computer based control systems utilizing PLC, HMI and DCS technologies.

Skill include:

- PLCs: Allen-Bradley SLC-500, PLC-5; Modicon 984, Quantum; GE 90-30
- HMIs and OITs: Wonderware InTouch; AB RSView; AB PanelView
- DCSs: Emerson DeltaV

RELEVANT EXPERIENCE

IDEC NIMO. Application: Pharmaceutical Manufacturing. DCS: DeltaV. Tasks: Performed design responsibilities for fieldbus segment design, and multi-site FATs.

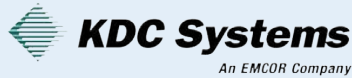
BP Chemicals. Application: Pellet sortation and railcar loading system. HMI/OIT: Wonderware InTouch. PLC: Modicon Quantum System. Tasks: Developed instrument list and functional specification. Upgraded Modicon 984 to a Quantum series PLC. Designed, programmed and tested PLC software. Performed startup and training.

Skechers USA. Application: Conveyor control within a new shoe distribution facility. HMI/OIT: AB RSView. PLC: Six AB SLC-5/04 PLCs. Peripherals: Inline scale, three barcode scanners c/w hand scanners. Tasks: Led project team in electrical design and software development. Interfaced with third party Warehouse Management System (WMS). Performed startup and training.

Vancouver Wharves. Application: Water treatment plant upgrade. HMI/OIT: Wonderware InTouch. PLC: AB PLC-5/40. Tasks: Upgraded PLC-2 to PLC-5 system. Performed all electrical design and PLC/HMI software development. Performed startup and training.

Cominco Alaska. Application: Lead/zinc extraction, facility expansion. HMI/OIT: Wonderware InTouch. PLC: AB PLC-5/40. Tasks: Upgraded PLC and HMI systems. Provided PLC software development assistance and startup support.

Placer Dome. Application: Gold concentrator system expansion. HMI/OIT: Process Vision. PLC: Six Square-D Systems. Tasks: Provided PLC software development expertise within a team. Performed construction supervision as well as startup support and training.



Education

BS/Sociology/Oregon State University

Electrical Apprenticeship, ETI,
Commerce, CA

Certifications

California State Certified General
Electrician

ISA CCST Level 2 Certified Control
Systems Technician

EPRI Level 2 Instrumentation and
Controls Certification

Transportation Worker Identification
Credentialed TWIC

CALCTP-AT Acceptance Tester

Professional Affiliations

International Brotherhood of Electrical
Workers (IBEW)

Instrument Society of America (ISA)

Years of Experience: 19

Office Location: Los Alamitos, CA

Availability: 50%

ALEX KUCHTA

Electrical

Alex Kuchta is an instrument technician at KDC Systems. He has extensive experience as an instrument and controls field technician in the wastewater, municipal, pharmaceutical and process industries.

Alex has startup, calibration, troubleshooting, and configuration experience with the following manufacturer's instrumentation products: ABB, Ametek, Anderson, Aquarian, Ashcroft, Auma Actuators, Bray, Draeger, Daniels, Dwyer Magnahelic, EIM Controls, Eaton, Endress+Hauser, Fisher, Fluid Components, Inc., Foxboro, GE, Heise, Honeywell, I-Tork Controls, Krohne, Limitorque, Magnetrol, McCrometer, Mettler Toledo, MicroMotion, MSA, Onicon, Pointek, Princo, RedLion, Rosemount, Rotork, Sartorius, Siemens Milltronics, Sparling, TigerMag, Vega, Viatran, and Yokagawa.

Alex has installation, parameter configuration, operational, testing, and troubleshooting experience with the following manufacturer's AC and DC variable speed drive products: ABB, Allen-Bradley (Rockwell), Baldor, Benshaw, Cutler Hammer, Dart Controls, Square D, and TECO.

Skill include:

- Electrical Installation
- Process Instrumentation Calibration and Troubleshooting
- Good Documentation Practices GDP
- Allen Bradley PLC (SLC500 and PLC5)
- Modicon PLC (Proworx software)
- Delta V PLC
- GE Ovation PLC
- HART and Foundation Fieldbus Smart Protocols

RELEVANT EXPERIENCE

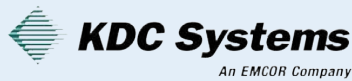
Pasadena Glenarm Power Plant. Application: Combined Cycle Gas & Steam Turbine Power Generation. Control System: GE Ovation. Tasks: Instrument technician for calibration, test and checkout of hundreds of level, flow, pressure, temperature and analytical instruments and commissioning, startup and troubleshooting of power plant expansion project.

Shire (formerly Baxter Bioscience). Application: Pharmaceutical Manufacturing. Control System: Delta V and various. Tasks: Instrument technician for calibration of hundreds of level, flow, pressure, temperature and analytical instruments in existing and new facilities.

Orange County Water District. Application: Municipal Water Treatment. Control System: Allen Bradley. Tasks: Instrument technician for termination, commissioning and startup throughout OCWD plant expansion.

Lancaster Water Reclamation Plant. Application: Wastewater Treatment. Control System: Allen Bradley. Tasks: Instrument technician for calibration, test and checkout of hundreds of level, flow, pressure, and analytical instruments and commissioning and startup of plant expansion project.

Orange County Sanitation District. Application: Wastewater Treatment. Control System: Modicon. Tasks: Instrument technician for calibration, test and checkout of hundreds of level, flow, pressure, and analytical instruments.



Education

Associate Electronics Degree/ITT
Technical Institute, Dayton, OH/1985

Applications

AutoCAD
Office productivity software

Programming

Ladder Logic
Function Block Diagrams

PLCs/DCSs

Allen-Bradley Logix Family, SLC-500,
PLC-5
Emerson Process Management DeltaV
Schneider - Modicon

Automation Direct, GE
Andover HVAC Controls

HMI and OITs

Allen-Bradley RSView,
FactoryTalkView, PanelView
AutomationDirect.C-more OITs
Intellution
Andover Graphics

Years of Experience: 22

Office Location: Los Alamitos, CA

Availability: 50%

GEOFF SCARP

Electrical

Geoff Scarp is an applications engineer at KDC Systems. Geoff's professional experience extends over 20 years and includes process control systems and automation projects. His direct responsibilities for such projects have included:

- Equipment, instrument, and hardware/software specification
- Control panel electrical engineering
- PLC, HMI, and OIT programming
- Testing, installation, and startup
- Training

Geoff's industry experience includes plastics, food, chemicals, discrete manufacturing, and water treatment. His process experience includes material handling, loading/unloading, storage, transport, and packaging.

RELEVANT EXPERIENCE

California Aqueduct East Branch Extension Phase II Upgrade 2 Pumping Stations (2015-2016).

Application: Loop test and document existing control panels and controls. Design new control panels per customer spec. Create test logic for I/O checkout. Create documentation for factory acceptance testing with customer. IO field test control panels with customer. PLC: Modicon 140.

Californian State University Fullerton Central Plant Upgrade(2012-2013). Application: Change Andover equipment control to PLC-based controls and upgrade graphics. Design new control panels to support upgrade using AutoCAD. Perform I/O checkout, test PLC logic including customer field acceptance testing, and train personnel on new system operations.

Orange County Water District AWTF and GWRS Expansion (2011-2015). Application: Expansion of Water Treatment Plant. DCS: Emerson DeltaV. Tasks: Create Software Detail Design (SDD) documents for Logic programming and testing based on customer specifications. Create hardware test forms for factory acceptance testing. Create logic and graphics based on approved SDDs. Test logic and graphics in-house with customer. Implement logic and graphics. Test IO; field terminations. Commission System and train personnel. PLC & HMI: DeltaV.

Californian State University Fullerton Boiler Upgrade (2010). Application: Create PLC programs and HMI displays per customer spec. Design new control panels and update hardware/wiring AutoCAD drawings. Perform I/O checkout, test PLC logic including customer field acceptance testing and train personnel on new system operations. PLC: AB ControlLogix. Ethernet I/P interface to remote AB IO.

Owens Lake Phase 7, Lone Pine, CA (2009-2010). Application: Create PLC programs and HMI displays per customer spec. Provide in-house testing of software and hardware with customer. Perform I/O checkout, test PLC logic including customer field acceptance testing. Provide training for operations and maintenance staff. PLC: AB SLC 500 and ControlLogix (800 I/O, Modbus interface to VFDs, Ethernet I/P interface to radio to ControlLogix master controlling PLC. Intellution SCADA system.)

Orange County Water District AWTF and GWRS (2007-2008). Application: Water Treatment. DCS: Emerson DeltaV (8,000 I/O). Tasks: Testing; field termination, commissioning, and training.



F. WORK PLAN



SECTION F. WORK PLAN



Our proactive approach provides you streamlined delivery, improved communications, and enhanced project outcomes. We adapt our process and manage our resources to meet your needs and your project.

Ardurra has reviewed the request for proposal and addenda, attended the pre-proposal meeting, reviewed the plans and the submitted questions and answers, and structured a work plan that we believe addresses the needs and objectives of the District. To that end, we have proposed a staffing support level commensurate with the level of effort and scope of the project.

We understand that the project is anticipated to be constructed in 180 calendar days (i.e., 120 working days) from date of issuance of the construction Notice to Proceed (NTP) to final construction completion. We further understand that the engineer's estimated cost for the project is \$2.5 million. Therefore, we assume a preconstruction period of 10 working days, followed by a construction period of 120 working days, and a project closeout period of 10 working days. Please refer to page 38 for the anticipated milestone project schedule and the estimated fee summary provided as a separate PDF (per the RFP requirements).

The level of support and staffing for each phase is detailed below:

Preconstruction Period

For the preconstruction phase, we anticipate a duration of 10 working days and will support this activity for staffing assuming 3 hours per day each for senior construction manager and document controls. This will entail assisting in project administration setup, permitting, reviewing and familiarizing with the District's rules and regulations, and RFI and submittal coordination.

Construction Period

We anticipate a duration of 180 calendar days (i.e., 120 working days) for the construction phase and will support this activity for staffing assuming 2 hours per day each for senior construction manager and document controls, and supported full time by our public works inspector onsite at all times that work is being performed. The public works inspector will focus on all improvements for demolition, piping, mechanical, and hardscape site improvements.

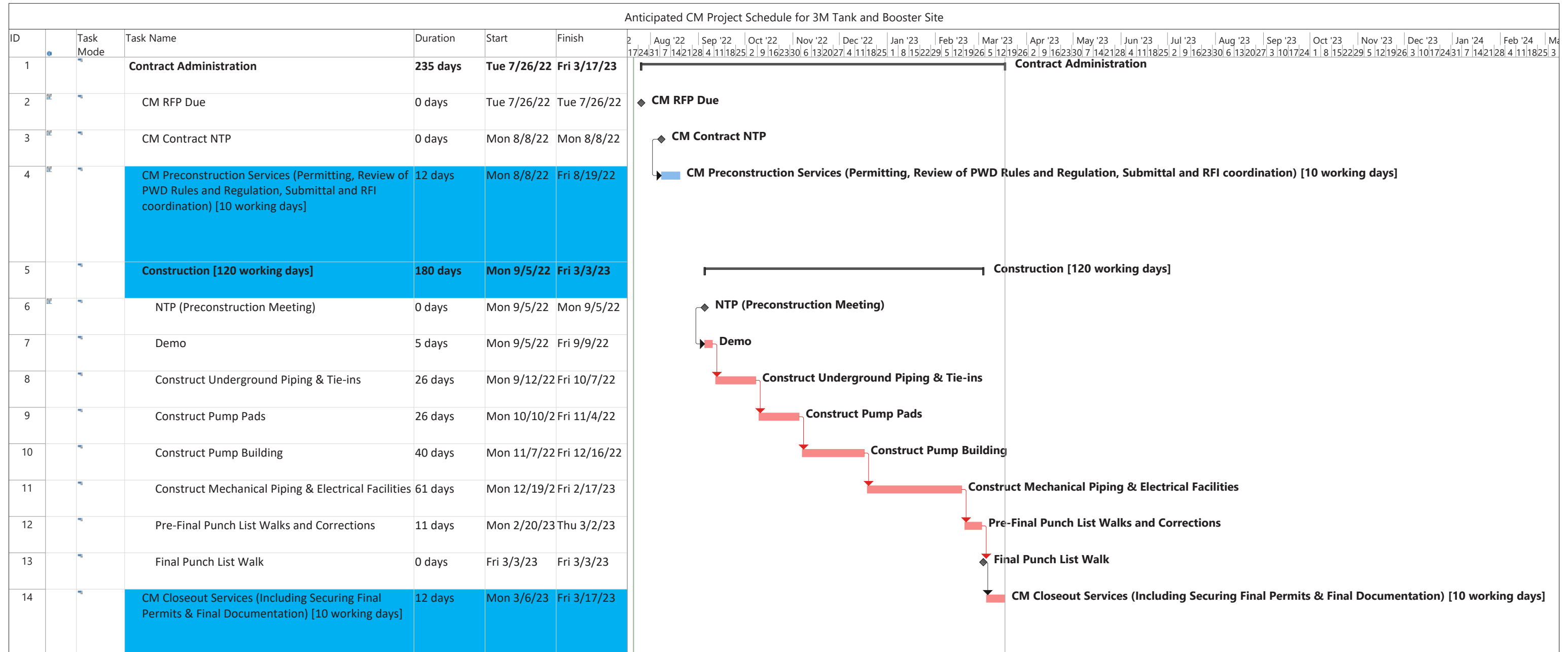
We will also support this effort with material testing and special/deputy inspection on a time and materials as-needed basis for pump pads, foundation and all structural improvements. In addition, we will support this effort for electrical special inspection and SCADA assistance for the highly technical portions of the electrical aspects and communications portions that this project entails.

Project Closeout Period

Lastly, we anticipate a duration of 10 working days for the project closeout effort and will support this activity for staffing assuming 2 hours per day each for senior construction manager and document controls, and some assistance for the public works inspector as needed.

You will also note on the fee summary that we have included an allowance for per diem direct costs as it is anticipated that our inspector will be staying overnight in the area during the construction period, and this allowance will include travel, lodging and meals. We have also included an allowance for an administrative fee for Procore as an option for managing the project utilizing Ardurra's Procore platform. Procore is a web-based collaboration tool widely used to maximize the efficiency of managing construction projects while connecting project participants to critical project documents and real-time project data.

ESTIMATED PROJECT SCHEDULE



Project: Anticipated CM Project Schedule for 3M Tank and Booster Site	Task		Project Summary		Manual Task		Start-only		Deadline		Manual Progress
	Split		Inactive Task		Duration-only		Finish-only		Critical		
	Milestone		Inactive Milestone		Manual Summary Rollup		External Tasks		Critical Split		
	Summary		Inactive Summary		Manual Summary		External Milestone		Progress		



G. UNIQUE QUALITIES OR QUALIFICATIONS



SECTION G. UNIQUE QUALITIES OR QUALIFICATIONS



Our tried and true process delivers complex projects while keeping you informed and your funding protected.

As a firm, we have been successfully delivering construction management and inspection services throughout Southern California since 2005. During this time, we have honed our processes to seamlessly integrate with our clients' needs. Combine our proven proactive approach with our staff's expertise, flexibility, amiability, and availability, and the District gets a team that will deliver a smoothly run project. Following are some example benefits that we bring to this project:

- ~ We offer personnel who offer extensive experience with pump stations and other water infrastructure. And they excel at performing as extension of staff to keep you informed on a real-time basis, acting in the best interests of the project and the District.
- ~ Our proactive philosophy will keep your project moving, your team engaged, and potential conflicts with contractors to a minimum.
- ~ Ardurra has a comprehensive qualified team of in-house resources that we can tap into, including technical experts in SCADA, civil and electrical engineering, design, SWPPPs, permitting, labor compliance, and public relations, which gives us the capacity and flexibility to respond quickly to your needs.
- ~ We even have team leaders who have served municipalities as public works directors, assistant city managers, and city engineers who can lend their expertise when needed. Our staff are actively engaged as guest lecturers on construction management as well as invited to conduct construction management and program management best practices training sessions to agency public works staff.
- ~ We utilize highly effective administrative and clerical support as well as web-based construction management and document controls tools and procedures developed by construction managers and staff. These tools are scalable and can easily be tailored to fit the District's project delivery approach.
- ~ Our project controls staff are experienced with maintaining funding compliance and providing timely, accurate documentation and impeccably maintained project files.
- ~ Our construction manager, Oscar Gonzalez, was on the CM team that managed the construction of the 6M Clearwell and Pumping Facility for Palmdale Water District.
- ~ We have teamed with a material testing and special inspection firm (Bruin Geotechnical Services, Inc.) that is already familiar with the District and offers a keen understanding of the District's internal structure and established working relationship with District staff.
- ~ Our team is ready and available to assist the District now.



H. REFERENCES

SECTION H. REFERENCES



Our reputation for providing quality services has been confirmed by our ongoing relationships and extended contracts with public agencies throughout the region.

REFERENCES

Our history of successfully delivering projects efficiently and within budget is the reason municipalities/agencies continually return to Ardurra. We are proud of our track record of providing quality construction management and inspection services, to which our references will attest.

Agency	Contact Name, Phone, Email	Associated Project
City of Anaheim 200 S. Anaheim Boulevard Anaheim, CA 92805	Jake Hester, PE Water Engineering and Design Manager jhester@anaheim.net 714.765.4421	Anaheim Capital Improvement Projects (ongoing since 2017), including La Palma Water Complex – Reservoir Rehabilitation and Pump Station Replacement (completed 10/2018)
Long Beach Water Department 1800 East Wardlow Road Long Beach, CA 90807	Carolina Avendano Civil Engineering Associate carolina.avendano@lbwater.org 562.570.2334	Equipping of Well Commission 22A (06/2021–09/2022) <i>*KDC Systems teamed with Ardurra to provide electrical/instrumentation support</i>
Western Municipal Water District 14205 Meridian Parkway Riverside, CA 92518	Sonia Huff, PE Principal Engineer – CIP shuff@wmwd.com 951.571.7232	Graeber Street Water Main Replacement (completed 05/2020)



I. ACCEPT THE DISTRICT'S PROFESSIONAL SERVICES AGREEMENT



SECTION I. ACCEPT THE DISTRICT'S PROFESSIONAL SERVICES AGREEMENT



The Ardurra team looks forward to supporting the District on the successful completion of the 3M Booster Station Replacement Project.

Ardurra has reviewed the District's Contract Services Agreement included as Attachment A on the Palmdale Water District Portal. If there is an opportunity to make some adjustments, we would prefer the following modifications to these two sections of the Agreement.

ARTICLE 1. SERVICES OF CONSULTANT

1.1 Scope of Services.

In compliance with all terms and conditions of this Agreement, the Consultant shall provide those services specified in the "Scope of Services" attached hereto as Exhibit "A" and incorporated herein by this reference, which may be referred to herein as the "services" or "work" hereunder. As a material inducement to the District entering into this Agreement, Consultant represents and warrants that it has the qualifications, experience, and facilities necessary to properly perform the services required under this Agreement in a thorough, competent, and professional manner, and is experienced in performing the work and services contemplated herein. Consultant shall at all times faithfully, competently and to the best of its ability, experience and talent, perform all services described herein. Consultant covenants that it shall follow the highest professional standards industry standards in performing the work and services required hereunder and that all materials will be both of good quality as well as fit for the purpose intended. For purposes of this Agreement, the phrase highest professional standards industry standards shall mean those standards of practice recognized by one or more first class firms exhibited by similar firms performing similar work under similar circumstances.

5.3 Indemnification.

Insert at the end of this section on page 11 of the Agreement:

The Consultant's obligations to indemnify, defend, and hold harmless the Indemnitees shall be governed by state and federal statutes regarding liability and shall not apply to the extent that such Liabilities are caused in whole or in part by the negligence, active negligence, or willful misconduct of any Indemnitee, but shall apply to all other Liabilities, and in no event shall the cost to defend charged to the Consultant exceed the Consultant's proportionate percentage of fault.



J. VENDOR QUESTIONNAIRE



SECTION J. VENDOR QUESTIONNAIRE



XVI. VENDOR QUESTIONNAIRE

XVI.A Proposer's Acknowledgment*

By submitting a Proposal, the Proposer represents that it has thoroughly examined and become familiar with the work required under this RFP, and that it is capable of performing quality work to achieve the District's objectives.

Please confirm

*Response required

XVI.B Proposal Documents (No Cost)*

Please upload your COMPLETED proposal documents, not including the Fee Estimate, which is required as a separate attachment, as one (1) PDF file here.

*Response required ✓

XVI.C Proposal Documents - Fee Estimate*

Please upload your COMPLETED Fee Estimate documents here.

*Response required ✓

XVI.D Professional License*

Please enter the First & Last Name as well as the Professional License Number for the State of California for the Consultant Working on this project here. **Oscar Gonzalez, PE**

Registered Civil Engineer, CA #C66241

*Response required

XVI.E California Department of Industrial Relations Registration*

Please enter your Public Works Contractor Registration Number. This will be verified against the state database. **PW-LR-1000392146**

*Response required

XVI.F Required Insurance *

By confirming, the proposer understands that if they are the successful proposer, they are required to submit Insurance Documents upon execution of their contract.

Please confirm

*Response required

XVI.G Proposer's Recommended Additional Insurance*

Proposer shall identify additional insurance needed for this project based on its own judgment which may be necessary for its proper protection and prosecution of the work. If not needed, please enter "**None**".

Please confirm None

*Response required

XVI.H Professional Service Agreement*

Please download the Professional Service Agreement in the Attachments section and review. If you agree with its content, checkmark "Accept." If submitting proposed revisions, checkmark "Proposal includes proposed revisions".

Accept

Proposal includes proposed revisions

*Response required

XVI.I W9

If you have not previously submitted your W9, please upload a copy here.



ARDURRA
COLLABORATE. INNOVATE. CREATE.



July 26, 2022

Palmdale Water District
Attention: Jaron Hollida, Assistant Engineer
2029 East Avenue Q
Palmdale, CA 93550

Subject: Fee Estimate for 3M Booster Station Replacement Construction Inspection Services [20-610(a)]

Dear Mr. Hollida and Selection Committee Members:

Enclosed is Ardurra Group, Inc.'s fee estimate for the 3M Booster Station Replacement Project. As noted on the following spreadsheet, this fee estimate reflects the scope of services as described in Section D. Project Understanding of our technical proposal.

Please feel free to contact Oscar Gonzalez at ogonzalez@ardurra.com or 213.379.3471, should you have any questions or require additional information.

We look forward to working with the District on the successful delivery of this important project.

Respectfully submitted,

A handwritten signature in blue ink that reads "Oscar Gonzalez".

Oscar Gonzalez, PE
Project Director
Cell: 213.379.3471
ogonzalez@ardurra.com

A handwritten signature in blue ink that reads "Dino P. D'Emilia".

Dino P. D'Emilia, PE, F.ASCE, QSD
Project and Construction Management Group Leader
Cell: 714.458.0703
ddemilia@ardurra.com



ESTIMATED FEE*

**Palmdale Water District – 3M Booster Station Replacement
Construction Inspection Services [20-610(a)]**

Preconstruction Period		10	Working Days		
TITLE	Est. Hours Per Day	Total Hours	Hourly Rate	Extended Fee	
Sr. Construction Manager	3.00	30.00	\$ 200.00	\$ 6,000.00	
Project / Documents Control	3.00	30.00	\$ 130.00	\$ 3,900.00	
Public Works Inspector	0.00	0.00	\$ -	\$ -	
Subtotal Pre-construction				\$ 9,900.00	
Construction Period		120	Working Days		
TITLE	Est. Hours Per Day	Total Hours	Hourly Rate	Extended Fee	
Sr. Construction Manager	2.00	240.00	\$ 200.00	\$ 48,000.00	
Project / Documents Control	2.00	240.00	\$ 130.00	\$ 31,200.00	
Public Works Inspector	8.00	960.00	\$ 150.00	\$ 144,000.00	
Material Testing and Special/Deputy Inspection (Bruin Geotechnical Services) {This includes a 15% fee for overhead and administration.}				\$ 23,000.00	
Electrical Special Inspection (KDC Systems) {This includes a 15% fee for overhead and administration.}				\$ 63,307.50	
SCADA Specialist (Chuck Rueck)	8.00	24.00	\$ 190.00	\$ 4,560.00	
Subtotal Construction				\$ 314,067.50	
Project Close Out Period		10	Working Days		
TITLE	Est. Hours Per Day	Total Hours	Hourly Rate	Extended Fee	
Sr. Construction Manager	2.00	20.00	\$ 200.00	\$ 4,000.00	
Project / Documents Control	2.00	20.00	\$ 130.00	\$ 2,600.00	
Public Works Inspector	1.00	10.00	\$ 150.00	\$ 1,500.00	
Subtotal Close Out				\$ 8,100.00	
Other Direct Costs (Allowance)				\$ 7,500.00	
Procure Administrative Fee (Optional)				\$ 6,250.00	
Total Estimated Fee				\$ 345,817.50	

***Please note:**

This fee proposal reflects the scope of services as described in Section D. Project Understanding of our technical proposal.

Notes:

1. Prevailing Wage rates are subject to increases pursuant to the State of California's Department of Industrial Relations Wage Rate Determinations. Ardurra's billing rates will increase in proportion to the DIR increase, plus overhead and profit. The current rates are based on Determination # SC-23-63-2-2021-1D Issued 8/22/2021.
2. **Inspection Overtime:** No weekday, Saturday, holiday or Sunday work is assumed or included. Should any weekday or Saturday overtime inspection be required, it is charged at 1.4 times the rate shown. For Sundays and holidays, inspection billing rates are 1.7 times the above rate, upon the client's prior written approval.
3. The above hourly inspector rates include wages, fringe and general and administrative overhead and fee, as well as typical supplies, tools and equipment required to perform services.
4. The following minimum callout applies to inspection staff, in accordance with Industrial Welfare Commission Order No. 16-2001.
 - Cancellation of 8 hours scheduled inspection after inspector's arrival on site: 4-hour minimum
 - Cancellation of 4 hours scheduled inspection after inspector's arrival on site: 2-hour minimum
5. **Reimbursable Expenses (Other Direct Costs):** Ordinary identifiable non-salary costs that are directly attributable to the project, such as regular commuter travel costs, standard equipment, tools and software, etc., are included in the fee estimated above. Extraordinary expenses, such as oversized and/or color reproduction costs, vehicle identification decals, site facility hard phone line and/or internet service charges, non-commuter project miles and/or other travel expenses to remote (over 50 miles one way) fabrication yards/batch plants, overnight postage/couriers, etc., are billed at actual cost plus 15 percent (15%) to cover overhead and administration. Travel charges to a casting/fabrication yard or batch plant will include the hourly billing rate plus travel expenses as listed in the Caltrans Travel Guide (State rates). Mileage is billed at the current IRS rate (currently \$0.625/mile). An allowance for extraordinary charges is included as Other Direct Costs (ODC) in the fee table above. Extraordinary charges above and beyond the estimated ODC allowance will not be billed to the client unless specifically included in the contract or requested and approved by the client in writing prior to incurring the additional expense.
6. For contracts involving public works inspection services, Ardurra requires the awarding public agency to complete DIR form PWC-100 solely for Ardurra as the prime contractor specific to the awarded contract name and amount. A half-hour per week, per inspector labor compliance charge will be billed for all Prevailing Wage inspection assignments.
7. **Fees for Subconsultant Services:** Billed at actual cost, plus 15 percent (15%) to cover overhead and administration.
8. **Escalation:** This rate schedule is effective through June 30, 2023, except as noted above for Prevailing Wage covered classifications. Should the contract duration be extended beyond June 30, 2023, rates will be subject to prevailing wage increases as noted above, non-prevailing wage salary increases and overhead increases based on current Los Angeles- Riverside-Orange County Consumer Price Index to accommodate inflationary trends, salary adjustments and the general cost of doing business, as mutually agreeable to the parties and approved via contract amendment prior to implementing higher rates. In the event the contract is subject to delays that are beyond Ardurra's control, a request will be made to increase the billing rates to Ardurra's current standard rates and the client will use all reasonable effort to allow such billing rate increase.
9. **Procore Web-Based Contract Administration:** Billed at \$250 per \$100,000 in annual construction contract value.
10. **Limitations:** The projected fee is based on the number of estimated working days required for the completion of the work. The estimate may be affected by:
 - Working time duration in excess of the duration indicated above
 - Contractor and subcontractor's efficiency and sequencing of events
 - Unexpected subsurface conditions
 - Unforeseen delays beyond Ardurra's control
11. **Exclusions to Scope and Fee:** The following items are specifically excluded:
 - Legal advice
 - Temporary field office facilities, equipment, furniture, utilities and/or services
 - Labor compliance services
 - Hazardous materials monitoring and/or testing
 - Specialized software other than Procore, MS Office Suite, MS Project and/or P6 Viewer
 - Other services and/or engineering support not specifically enumerated in the scope of services



Divisions of KDC Inc. An EMCOR Company



KDC Systems
 4462 Corporate Center Drive, Los Alamitos, CA 90720
 T: 714.484.2300 F: 714.236.2398
 www.kdc-systems.com

PROPOSAL

July 25, 2022

CUSTOMER: Ardurra
 3737 Birch Street, Suite 250
 Newport Beach, CA 92660

ATTENTION: Oscar Gonzales
 ogonzales@ardurra.com
 (213) 379-3471

SUBJECT: Inspection Services
 for 3M Booster Pump Station Upgrade (WO 20-016)

REFERENCE - RFP - 3M Booster Station Replacement Construction Inspection Services

DOCS: - 3M Booster Station 100% Drawings

Estimate #: 2-22-0247 R1

KDC Systems is pleased to provide this proposal for the above referenced subject as follows:

SCOPE:

1. Provide engineering/field resources to support Electrical/System Integration Inspection Services per RFP section III.C & III.D and as qualified below in the table notes, clarification and exclusion sections.

Item	Description	Price	Notes
1	Mobilization / Familiarization	\$2,960.00	
2	RFP III.C.D - Inspection Services - On Site	\$40,189.00	Incl travel, lodging and per diem
	A Wire Pull / Terminations		
	B Electrical Testing		
	C Equipment Testing		
	D System Testing		
3	RFP III.C.C - Inspection Services - Off Site	\$7,461.00	Incl travel, lodging and per diem
	A Swgr / MCC Factory Test		
	B SCADA Cabinet Factory Test		
4	RFP III.D.H - Project Close-out Activities	\$4,440.00	
TOTAL – NOT TO EXCEED		\$55,050.00	





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 4462 Corporate Center Drive, Los Alamitos, CA 90720
 T: 714.484.2300 F: 714.236.2398
 www.kdc-systems.com

CLARIFICATIONS:

1. This proposal is a not to exceed proposal based on items/activities/notes as listed above and the included general conditions below. The budgeted costs are subject to modification if project scope, specifications, drawings, equipment etc. change.
2. Pricing is based on a project duration of 180 calendar days from award of project to KDC Systems.
3. Off-site inspections to be performed within 25 miles of project site. Any required testing at locations further than 25 miles from the project site are subject to additional charges.
4. Drive time for site trips is portal to portal from our office in Los Alamitos, CA.
5. KDC will not provide a full-time on-site presence for the duration of the project. On-site inspection services will be planned / scheduled based on the contractor's project schedule and on short-term scheduling determined at weekly project progress meetings.

EXCLUSIONS:

1. On-site facilities (office trailer, internet service, portable toilets, etc.) are provided by others. Costs for this work are excluded from this proposal.
2. Inspection Services for non-Electrical/System Integration work are excluded.

Sincerely,

Scott Hoops
Project Manager
 714.474-9328
shoops@dyna-la.com





KDC Systems
 4462 Corporate Center Drive, Los Alamitos, CA 90720
 T: 714.484.2300 F: 714.236.2398
 www.kdc-systems.com

GENERAL CONDITIONS

1. **Work.** KDC Inc. shall perform and furnish all labor, supervision, materials, and equipment necessary to prosecute and complete the Work described above. The work shall be performed by the KDC Inc. in a good and workmanlike manner. Unless otherwise indicated above, work to be done during regular business hours (M-F 7am to 4pm) and pricing does not include overtime, shift or off hours work. Overtime rates apply to work outside of regular business hours, all time in excess of 8 hours, but less than 12 hours during the week, the first 8 hours on Saturday. Double time rates apply to work outside of regular business hours in excess of 12 hours, all time in excess of 8 hours on Saturday and all time on Sunday and Holidays.
2. **Progress Payments.** On or before each Monthly Billing date, KDC Inc. shall submit to Owner / Contractor a progress payment application showing the value of the Work installed (“Completed Work”). Within 60 days Owner / Contractor shall make a progress payment to KDC Inc. equal to the value of the Completed Work as of the corresponding Monthly Billing date.
3. **Final Payment.** A final payment, consisting of the unpaid balance of the Price, shall be made within 60 days after the last of the following to occur: (a) completion of the Work by the KDC Inc., (b) furnishing of evidence satisfactory to Owner / Contractor that there are no claims, obligations, liens outstanding or unsatisfied for labor, services, materials, equipment, taxes or other items performed, furnished or incurred in connection with the Work, (c) delivery general release, in a form satisfactory to the Owner / Contractor, executed by KDC Inc. running to and in favor of Owner / Contractor and Owner.
4. **Change Orders.** Owner / Contractor may from time to time, by written order (“Change Order”) to KDC Inc., make changes in the Work; and KDC Inc. shall there upon perform the changed Work in accordance with the terms of the Work Order. The Contract Price shall be adjusted by the net amount of any direct savings or direct cost attributable to the Change Order.
5. **Proposal.** This proposal and pricing are good for thirty days from the date of this proposal unless specified otherwise above. Proposal shall become a part of any contract or purchase order issued whether so indicated therein or not. Proposal must be accepted prior to starting the work described herein. Notice to proceed is acceptance of this proposal.
6. **Documents.** Proposal is based on the documents listed. We cannot agree to be bound by the terms of any document not furnished to us prior to bid. Costs associated with documents that are not listed or not provided prior to the date above are not included in the price above.
7. **Limits of Liability.** KDC Inc. shall not be liable for any delay in furnishing or failure to furnish service due to fire, flood, strike, lockout, dispute with workmen, inability to obtain material or any cause beyond reasonable control.
8. **Material Pricing Volatility/Delivery Delays.** If, during the performance of this contract, material pricing significantly increases, through no fault of KDC Inc., the proposal price shall be equitably adjusted by an amount reasonably necessary to cover any such significant price increases. As used herein, a significant price increase shall mean any increase in price exceeding 3% as experienced by KDC Inc. from the date of the contract signing. Such price increases shall be documented through quotes, invoices, or receipts. Where the delivery of material is delayed, through no fault of subcontractor, due to shortages or unavailability of materials, KDC Inc. shall not be liable for any additional costs or damages associated with such delay(s).

The parties understand and agree that (i) there are current issues with the manufacture and supply of various materials and equipment (all, collectively, “Goods”), which issues generally are referred to as “supply chain disruption” (“Disruption”), (ii) the Disruption arises from a variety of global, national, and local factors, all of which are beyond the control of KDC Systems, and (iii) the Disruption has impacted suppliers ability to provide goods by dates certain, in the quantities ordered, and/or for the specified price.

9. **Guarantees.** KDC Inc. warrants and guarantees the Work for one year from the time of acceptance of the Project by the Owner.

KDC 2-22-0247 R0
 Page | 3 of 3



The Best in Control Solutions



BRUIN GEOTECHNICAL SERVICES, INC.

Schedule of Fees

2022

RATES FOR SERVICES – PREVAILING WAGE/SIGNATORY*

* PROJECTS (OR ANY ASPECT OF A PROJECT) PUBLICLY FUNDED, OCCUR WITHIN A PUBLIC RIGHT-OF-WAY, ARE LEASED TO A PUBLIC ENTITY, OR OTHERWISE FALL UNDER CALIFORNIA PREVAILING WAGE LAW.

Administration (Clerical)	\$65.00	Per Hour
Deputy Inspector	\$133.00	Per Hour
Senior Technician	\$124.00	Per Hour
Staff Geologist	\$151.00	Per Hour
Project Engineer/Manager	\$168.00	Per Hour
Certified Engineering Geologist	\$183.00	Per Hour
Senior Engineer	\$198.00	Per Hour
Principal Engineer	\$249.00	Per Hour
Technician –Soils/ACI	\$124.50	Per Hour

Bruin Geotechnical

Schedule of Fees – 2022

LABORATORY SERVICES

SOILS TESTING

SOILS TESTING

Special Sample Preparation		\$80.00	Per Hour
ASTM	TEST NAME		
D 1188 (Modified)	Density (Unit Bulk) – Shelby Tube Samples	\$45.00	Each
D 2937	Density (Unit Bulk) – Ring Samples	\$35.00	Each
D 2216	Moisture Content of Soils	\$20.00	Each
D 2435, CTM219	Consolidation – One Dimensional	\$185.00	Each
D 2166, CTM 221	Unconfined Compression	\$95.00	Each
D 3080, CTM 222	Direct Shear – Fine Grained	\$350.00	Each/Per Quote
D 3080, CTM 222	Direct Shear – Coarse Grained	\$190.00	Each/Per Quote
D 4829, UBC 29-2	Expansion Index	\$115.00	Each
D 4546 (Modified)	Swell of Soils - Undisturbed	\$115.00	Each
D 4546 (Modified)	Swell of Soils - Remolded to Specific Density	\$160.00	Each
Permeability (Hydraulic Conductivity)			
D 2434, EPA 9100	Constant Head	\$230.00	Each
EPA 9100	Falling Head	\$220.00	Each
D 5084, EPA 9100	Flexible Wall (Triaxial)	Per Quote	
Maximum Density/Optimum Moisture			
D 1557/D 698	Full Curve (4" Mold)	\$165.00	Each
D 1557/D 698	Full Curve (6" Mold)	\$185.00	Each
CTM 216	California Impact	\$188.00	Each
Sieve Analysis			
D 422, D 1140, CTM 202	Sieve Wash - General	\$115.00	Each
D 422, CTM 202	#200 Wash Only	\$95.00	Each
D 422, CTM 203	Sieve and Hydrometer Analysis	\$185.00	Each
ASTM	TEST NAME	\$170.00	Each
D 1188 (Modified)	Density (Unit Bulk) – Shelby Tube Samples	\$110.00	Each
D 2937	Density (Unit Bulk) – Ring Samples	\$520.00	Each
D 2216	Moisture Content of Soils	\$280.00	Each
D 2435, CTM219	Consolidation – One Dimensional	\$280.00	Each
D 2166, CTM 221	Unconfined Compression	\$390.00	Each
D 3080, CTM 222	Direct Shear – Fine Grained	Per Quote	

LABORATORY SERVICES CONCRETE

CONCRETE CYLINDERS, BEAMS, AND CORES

Special Sample Preparation		\$78.00	Per Hour
<u>ASTM</u>	<u>TEST NAME</u>		
C 39	Compression Test of Cast Cylinders (all sizes)	\$30.00	Each
C 42	Compression Test of Cored Samples	\$55.00	Each
C 495	Compression of Lightweight Concrete	\$55.00	
C 78	Flexural Strength, Simple Beam with Third Point Loading	\$105.00	Each
C 496	Splitting Tensile of Cast Cylinders	\$105.00	Each
C 642	Density of Hardened Concrete	\$185.00	Each
C 567	Unit Weight of Lightweight Concrete	\$95.00	Each
C 85	Proportion of Cement, Sand, & Aggregate Hardened Concrete	Per Quote	
495	Modulus of Elasticity	\$315.00	Each
1018	Flexure Toughness of Fiber Reinforced Concrete	\$325.00	Each
---	Compression Test Gunite Samples	\$85.00	Each

LABORATORY SERVICES MASONRY

MORTAR AND GROUT

Special Sample Preparation		\$80.00	Per Hour
<u>ASTM</u>	<u>TEST NAME</u>		
C 109, UBC Std. 24-22	Compression, 2" X 4" Mortar Cylinders	\$55.00	Each
C 942, UBC Std. 24-22	Compression, 3" X 3" X 6" Grout Prisms	\$55.00	Each
---	Compression, 2" Cubes (Set of 3)	\$115.00	Each

MINUTES OF MEETING OF THE OUTREACH COMMITTEE OF THE PALMDALE WATER DISTRICT, JUNE 22, 2022:

A meeting of the Outreach Committee of the Palmdale Water District was held Wednesday, June 22, 2022, at 2029 East Avenue Q, Palmdale, CA 93550 and via teleconference. Chair Mac Laren-Gomez called the meeting to order at 4:00 p.m.

1) Roll Call.

Attendance:

Committee:

Kathy Mac Laren-Gomez, Chair
Don Wilson, Committee Member

Others Present:

Adam Ly, Assistant General Manager
Judy Shay, Public Affairs Director
Claudia Bolanos, Resource & Analytics Spvsr.
Danielle Henry, Management Analyst
0 members of the public

2) Adoption of Agenda.

It was moved by Committee Member Wilson, seconded by Chair Mac Laren-Gomez, and unanimously carried by all members of the Committee present at the meeting to adopt the agenda, as written.

3) Public Comments for Non-Agenda Items.

There were no public comments for non-agenda items.

4) Action Items: (The Public Shall Have an Opportunity to Comment on Any Action Item as Each Item is Considered by the Committee Prior to Action Being Taken.)

4.1) Consideration and Possible Action on Approval of Minutes of Meeting Held May 24, 2022.

It was moved by Committee Member Wilson, seconded by Chair Mac Laren-Gomez, and unanimously carried by all members of the Committee present at the meeting to approve the minutes of the Outreach Committee meeting held May 24, 2022, as written.

4.2) Discussion of the District's Response to the Drought. (Public Affairs Director Shay/Resource & Analytics Supervisor Bolanos)

Public Affairs Director Shay stated that digital drought messaging ads are being sent within the District's zip code customer base; that mandatory water conservation flyers have been sent to all customers; and that social media posts continue.

Resource & Analytics Supervisor Bolanos then stated that Water Use Efficiency staff attended an event at Lockheed and distributed water saving gadgets to Lockheed staff and for their on-site gym and that since May 1, 405 water waste warning door-tags have been issued with no repeat offenders followed by discussion of restrictions on watering days, weather-based irrigation controllers, and efforts to promote the District's Rebate Programs.

4.3) Discussion of 2022 Outreach Activities. (Public Affairs Director Shay)

a) Outreach Report.

Public Affairs Director Shay stated that a written Outreach Report of current events through June 9, 2022 was included with the agenda packets if there are any questions and then updated the Report with additional press releases and articles in various print publications, discussion of water conservation requirements on the Café con Leche radio show, yesterday's California Special Districts Association Quarterly Membership Luncheon, the availability of the 2021 Consumer Confidence Report on July 1, and social media and digital advertising interactions.

b) Upcoming Events/2022 Plans.

She then stated that upcoming events include the City of Palmdale's National Night Out on July 26 and a joint Water-Wise Workshop with the City of Palmdale and County of Los Angeles regarding composting on August 2.

5) Reports.

5.1) Lobbying Activities. (Assistant General Manager Ly)

Assistant General Manager Ly stated that SB1157 regarding the lowering of per capita water use from 50 to 42 gallons of water per person per day by 2030 has been revised; that the District has accepted the revisions; and that the District has taken an 'oppose unless amended' position on SB12 regarding temperature resistance for pipeline materials.

6) Board Members' Requests for Future Agenda Items.

There were no requests for future agenda items.

7) Date of Next Committee Meeting.

It was stated that the next Outreach Committee meeting will be held July 28, 2022 at 4:00 p.m.

8) Adjournment.

There being no further business to come before the Outreach Committee, the meeting was adjourned at 4:25 p.m.


Chair

**PALMDALE WATER DISTRICT
BOARD MEMORANDUM**

DATE: August 17, 2022 **August 22, 2022**
TO: BOARD OF DIRECTORS **Board Meeting**
FROM: Mr. Dennis D. LaMoreaux, General Manager
RE: *AGENDA ITEM NO. 8.2.a – AUGUST 2022 GENERAL MANAGER REPORT*

The following is the August 2022 report to the Board of activities through July 2022. It is organized to follow the District’s 2020 Strategic Plan approved in August 2020 and composed of six strategic initiatives. The initiatives follow for reference. It is intended to provide a general update on the month’s activities.

PWD 2020 STRATEGIC PLAN SUMMARY



Water Resource Reliability: *Resilience, Development, Partnership*

Support and participate with local agencies in the development of projects and policies that improve water reliability

Expand the recycled water distribution system for both public access and construction water

Continue the Palmdale Regional Groundwater Recharge and Recovery Project to maximize state and federal funding opportunities

Support projects and initiatives that increase the resilience of the State Water Project

Expand access to available water supplies to increase drought resiliency, develop water storage projects, and improve the ability to capture groundwater, local surface water, and recycled water

Update the 2010 Strategic Water Resources Plan and Water Supply Fee to ensure funding for needed projects

Strengthen stakeholder relationships and implement Littlerock Dam and Reservoir sediment removal



Organizational Excellence: *Train, Perform, Reward*

Offer competitive compensation and benefits package for employee recruitment and retention

Focus Succession Planning Program on ensuring an overlap of training for key positions

Continue providing transparency to our ratepayers

Promote and support leadership training and professional development programs to enhance the District's customers' experience

Ensure employees are trained on the Strategic Plan and the District's Values of Diversity, Integrity, Teamwork, and Passion

Improve safety for Directors, employees, and customers

Develop career paths at the District for interns and pursue state and federal funding for intern programs

Involve employees in community engagement and professional platforms



Systems Efficiency: *Independence, Technology, Research*

Explore energy independence and evaluate the feasibility of energy options, including wind and solar

Incorporate more energy efficient technologies into the District's infrastructure

Advance new technologies to increase treatment efficiencies, including the use of Granular Activated Carbon (GAC)

Research state-of-the-art treatment techniques to help with systems efficiency and flexibility in using recycled water and surface water

Enhance technologies to increase efficiencies

Re-evaluate Lake Palmdale by-pass pipeline and pursue funding options

Improve Palmdale Ditch to reduce water loss



Financial Health and Stability: *Strength, Consistency, Balance*

Pursue grant funding for District projects and operations

Maintain the five-year financial plan adopted as part of the 2019 Water Rate Study, including the five-year Capital Improvement Plan

Build adequate reserve levels and achieve high-level bond rating

Seek potential revenue sources from vacant District properties

Monitor finances, operations, and projects affected by emergencies

Digitize and document departmental workflows



Regional Leadership: *Engage, Lead, Progress*

Increase involvement with water, business, and community partnerships

Provide opportunities for local businesses to contract with the District

Expand the Greater Antelope Valley Water Emergency Coalition by continuing to collaborate with neighboring water agencies and moving to include more agencies outside of the Antelope Valley

Develop working relationships and mutually beneficial projects with other water agencies in the District's state and federal representatives' districts

Develop events or activities with lessees of District properties

Host a 100th anniversary celebration for a fully re-opened Littlerock Dam and Reservoir recreation area in 2024



Customer Care, Advocacy and Outreach: *Promote, Educate, Support*

Enhance customers' experience through communication and feedback

Evaluate, develop, and market additional payment options

Develop the District's Public Outreach Plan and increase public awareness of current programs and services

Develop partnerships with various agencies to distribute information about resources available to the public

Engage elected officials and the public on the importance of local, state, federal, and global water reliability issues

Expand the District's social media platforms and find new avenues to share information and news

Plan and convert to an Advanced Metering Infrastructure (AMI) to increase customers' knowledge of water use

Continue to promote and expand school water education programs

Overview

This report also includes charts that show the effects of the District's efforts in several areas. They are organized within each strategic initiative and include status of the State Water Resources Control Board's (SWRCB) former long-term conservation orders (20 x 2020), the District's total per capita water use trends, 2022 actual water production and customer use graph, mainline leaks, and the water loss trends for both 12- and 24-month running averages.



Water Resource Reliability *Resilience, Development, Partnership*

This initiative includes conservation efforts, water supply projects, and water planning.

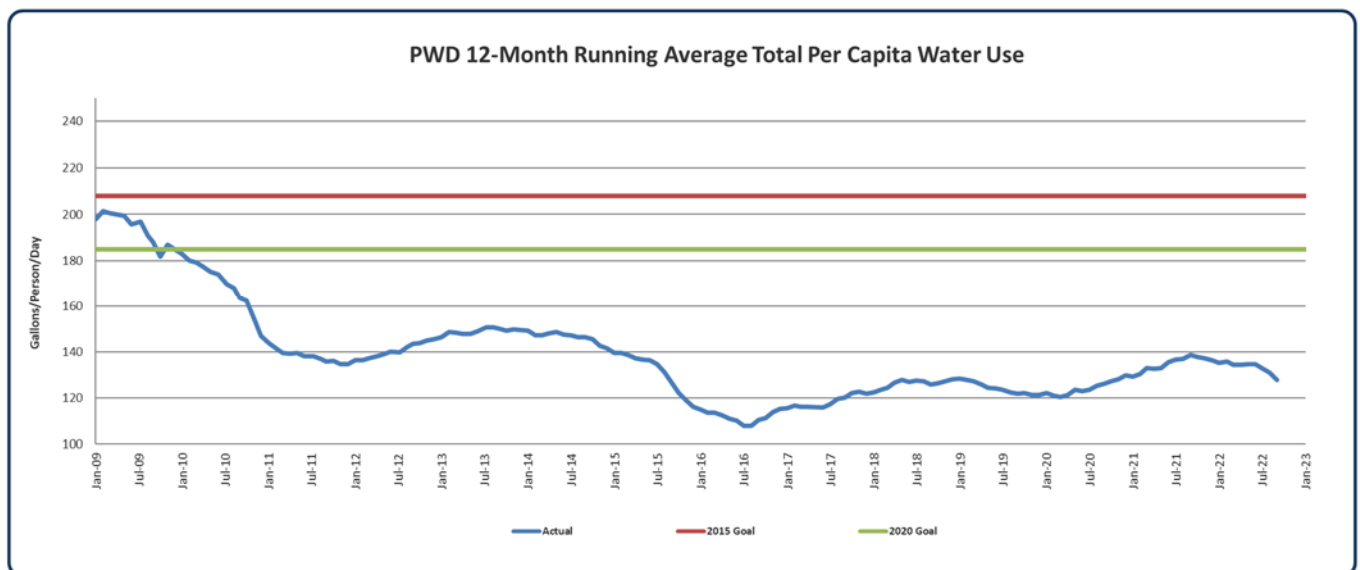
Recent highlights are as follows:

Overall Water Use Goals and Compliance

The 20 x 2020 per capita reduction goals passed by the legislature in 2009 with new long-term water budgeting requirements were replaced with new requirements and water agency water budgets. These follow through on the “Making Water Conservation a California Way of Life” plan. The District expects to easily comply with the new requirements as they are based on the same philosophy as the District’s water budget rate structure.

The 2020 Urban Water Management Plan was adopted by the District in June 2021. It does not relate the District’s water use to the upcoming agency water budget. Until these criteria are finalized, the customers’ performance is shown in this report using the 20 x 2020 requirements.

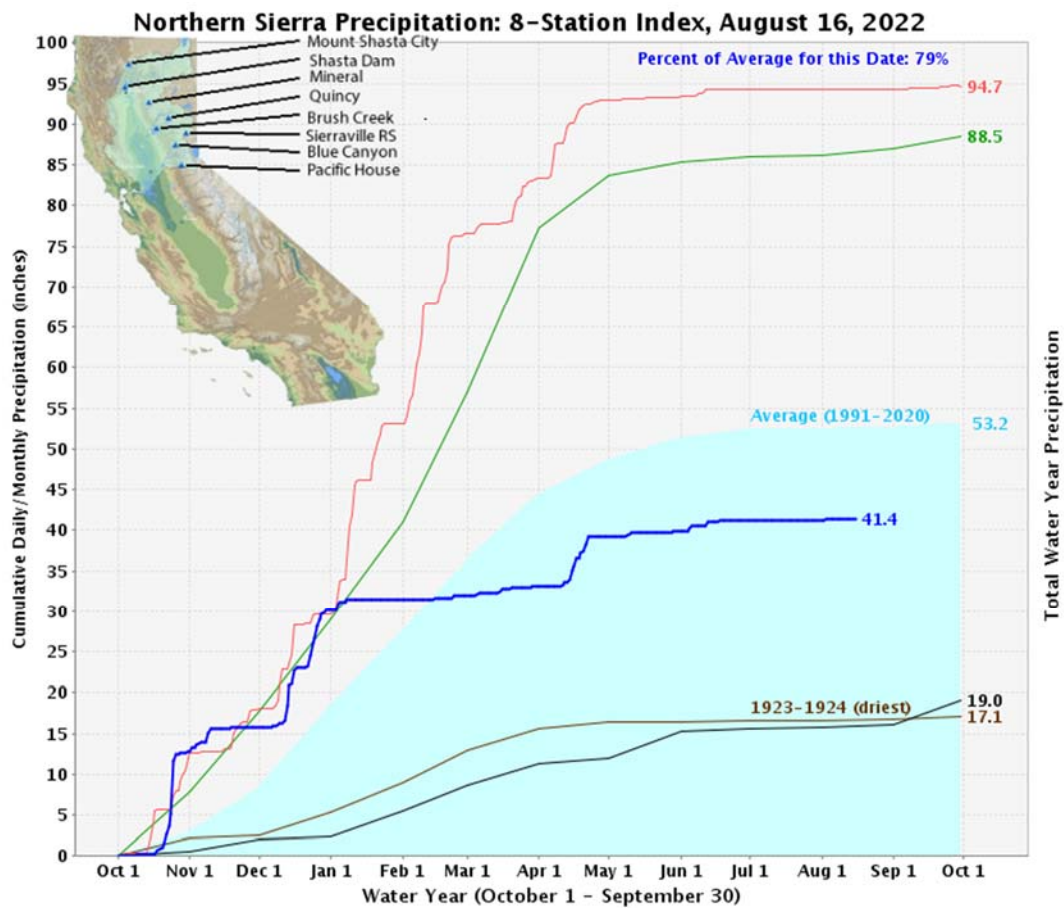
The District’s compliance with the former 20 x 2020 law is evident from the chart titled “PWD 12-Month Running Average Total Per Capita Water Use:”



The District’s customers have cut their water use by **44.6%** from the baseline number of 231 re-established in the 2020 Urban Water Management Plan and met the 2020 Goal in early 2010. The current Metered-GPCD is 128 showing our customers’ reduced usage.

2022 Water Supply Information – Extremely Dry Year

- The AV Adjudication is now entering its seventh year, and the reduction to the native safe yield is in its fifth year. The District’s native groundwater right is 2,769.63 AF. The District’s 2022 groundwater rights are 8,097.26 AF with 8,775.65 AF of Carryover production rights from prior years for a total of 16,872.91 AF. This is more than the District’s existing wellfields can pump.
- The 2022 Water Resources Plan is set at this point. Precipitation in the area that contributes to the State Water Project is at 79% of average for the 2021-2022 Water Year (October through September). The SWP allocation was reduced from 15% to 5% in March. This is the first time the SWP has had two consecutive years of a 5% allocation. The District secured other water sources as needed for 2022 including the SWC Dry Year Program, Yuba Accord Water, third-party water, and exchanges. The current precipitation and state reservoir storage as of Tuesday, August 16, 2022, are as follows:

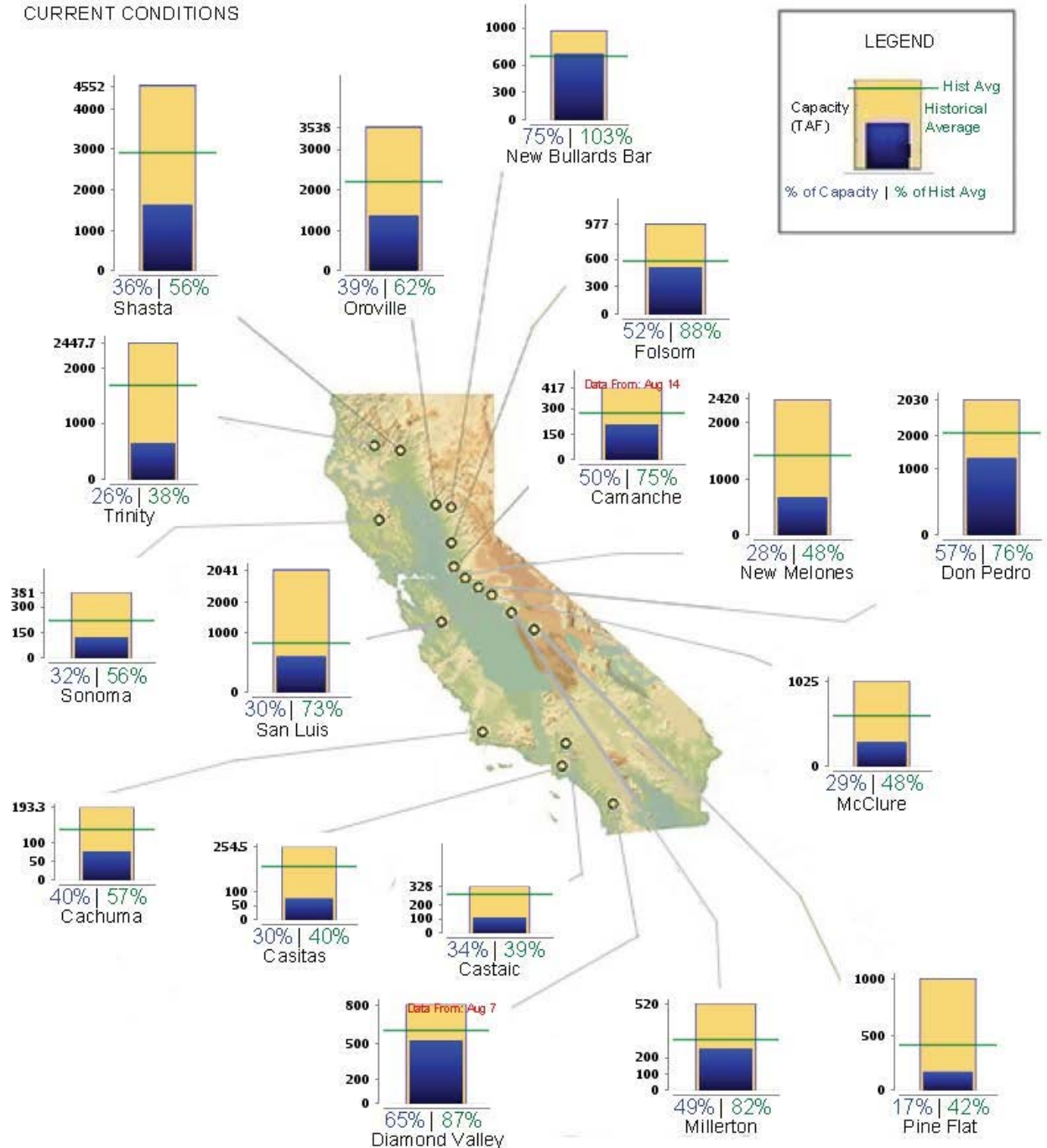




CALIFORNIA MAJOR WATER SUPPLY RESERVOIRS

Midnight - August 15, 2022

CURRENT CONDITIONS

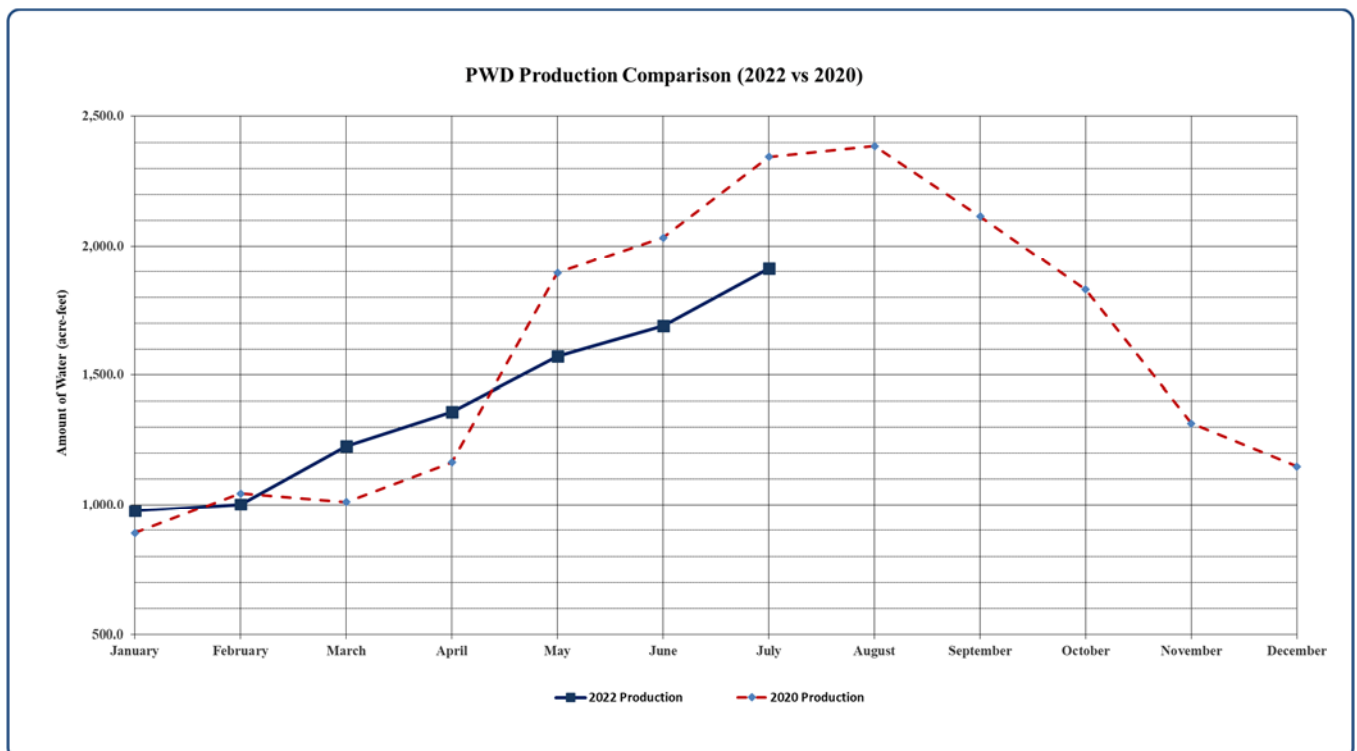


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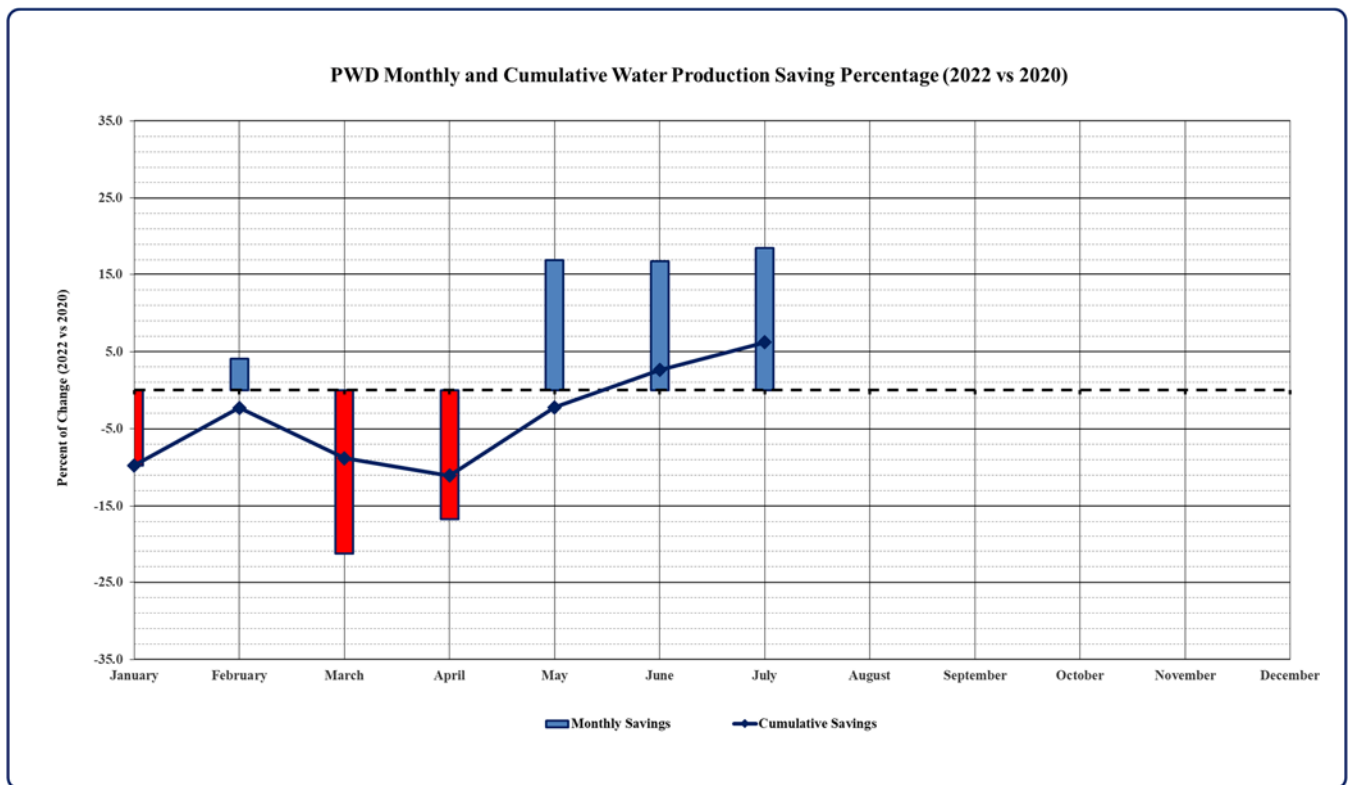
- The Board approved moving into mandatory conservation on April 11, 2022 by enacting Stage 2 at 20% reduction compared to 2020 water use. The goal of these actions is to reduce water use by 3,000 AF from May to the end of the year. This is needed to match the available water supplies. The following table summarizes water use through July 31, 2022 as compared to the same period in 2020. 2022 water production is currently 6.2% below the same time in 2020.

Year to Date Comparisons								
Year to Date Through:	Total Prod. (ac.-ft.)	Total Billed (ac.-ft.)	Water Loss			Aver. Active Connections	Aver. Gallons per Conn./month	Aver. Per Cap. Use (gal/day/per.)
			(ac.-ft.)	(%)	(12 mo %)			
July 31, '20	10,383.0	8,648.5	1,734.5	16.7	9.9	26,763	15,039	112.7
July 31, '22	9,737.6	8,710.8	1,026.8	10.5	7.4	26,979	15,028	113.1
Increase	-645.4	62.3	-707.7	-6.2	-2.5	216	-11	0.4
% Increase	-6.2	0.7	-40.8	-36.9	-25.2	0.8	-0.1	0.4
5 yr. Average (17-21)	10,260.8	8,669.9	1,590.9	15.5	8.9	26,731	15,094	113

One thing the “Year to Date Comparison” table does not do is show a comparison of individual months in 2022 versus 2020. The following graphs help to show that comparison. The first graph, “PWD Production Comparison (2022 vs 2020),” shows the monthly water production in both 2022 and 2020. It should be noted that rain in early 2020 reduced water production in March and April. Water production in 2022 followed a more typical pattern.



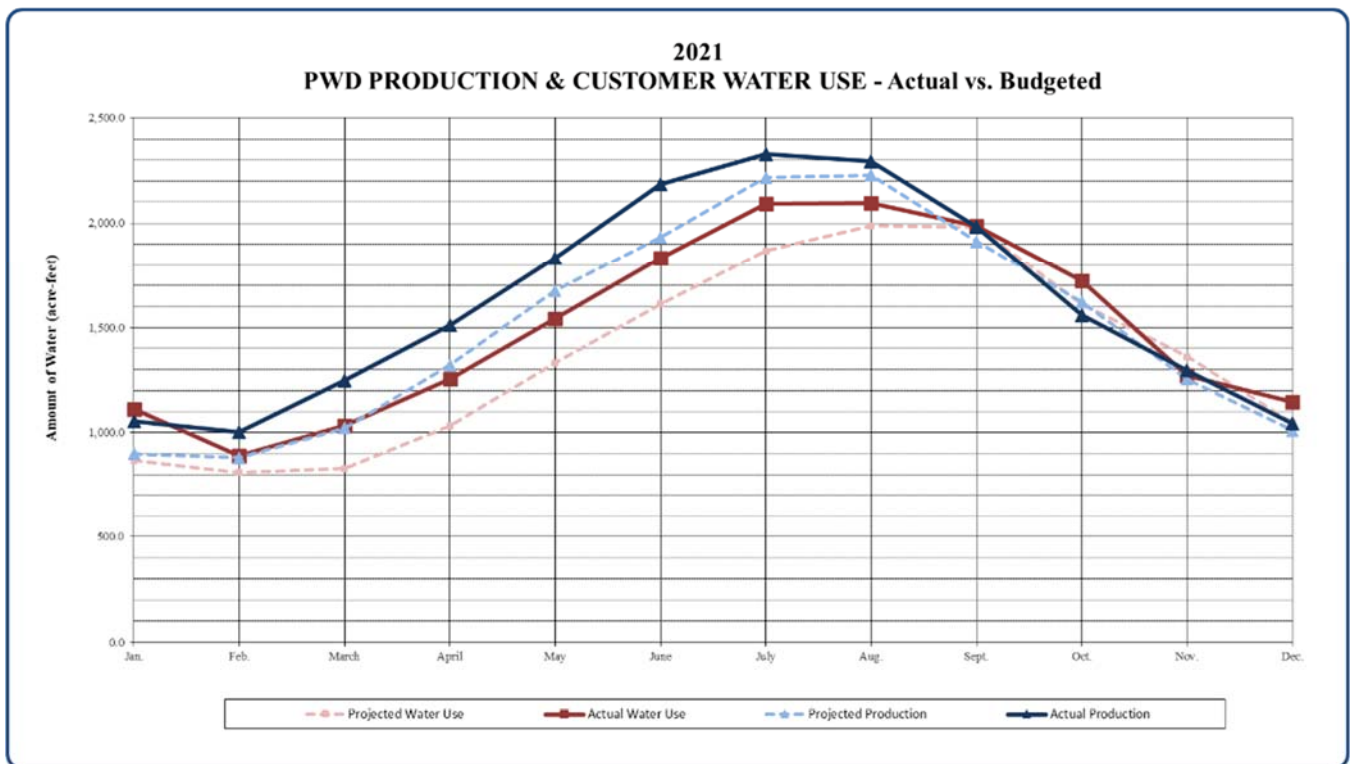
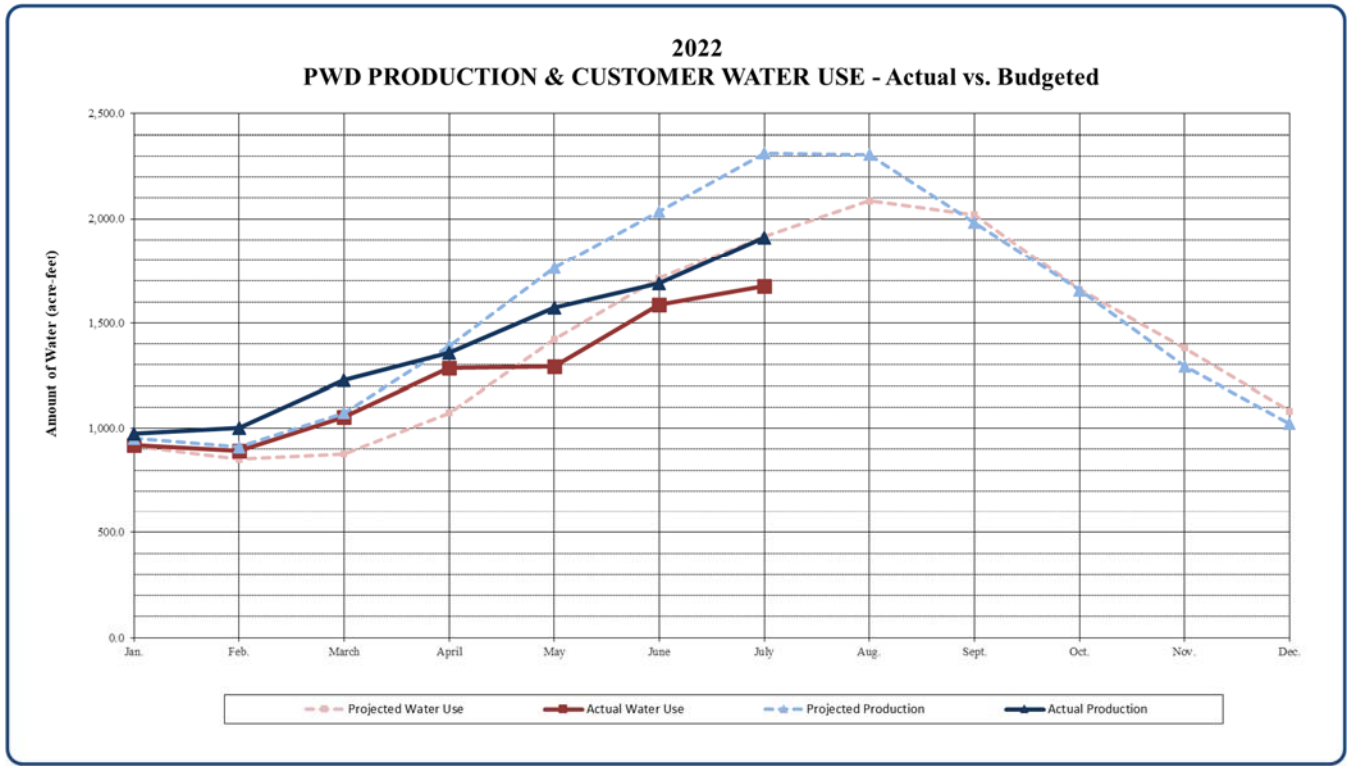
The second graph, “PWD Monthly and Cumulative Water Production Saving Percentage (2022 vs. 2020),” illustrates the difference between each month in 2022 and 2020. Less production, or **savings**, in 2022 is shown in **blue** and more production is shown in **red**. This shows that customers are responding to the drought in May and June. It also shows the cumulative savings from January 1 through July 31. It is moving in the right direction at 6.2% less water production in 2022 than in 2020.



2022 Water Use Information

- The following graph is the projected monthly water consumption and production for 2022 based on the prior five years of actual monthly information. The projected total consumption is based on the 2022 Budget amount of 17,000 AF, a 5.5% reduction from 2021 actual water use. The new estimated consumption amount due to the drought conservation measures is 14,343 AF or 2,657 AF less. This is a projected reduction of 20.2% from 2021.

Actual amounts are shown through July. The 2021 graph shows the projected and actual water use last year. Customer water use was 17,983.6 AF in 2021. This is the most water used by customers since 18,127 AF in 2014, before the 2015-2017 drought.



Other Items

- The Littlerock Reservoir Sediment Removal Project (Project) Environmental Impact Report/Environmental Impact Statement (EIR/EIS) was fully approved in 2017. The Project consists of three phases. The Grade Control Structure is Phase 1 and was completed in January 2020.

Phase II is the removal of 1.2 million cubic yards (CY) of sediment from the reservoir. Staff is working with Aspen Environmental to secure all the necessary permits and plans to complete the first year of sediment removal this year from Labor Day through December. The project was advertised, and bids were opened. However, the bids were rejected due to the high costs and staff is negotiating with interested contractors on a smaller project for 2022.

Staff also worked with the Angeles National Forest to clear and restore the recreational area. Recreation staff from United Water Conservation District met with District staff and visited the Littlerock Recreation Area in March. They provided good advice and input on a rough plan for helping the Area open in 2024.

- The focus of using recycled water for a stable potable water supply has shifted to advanced water treatment and groundwater augmentation. The program management firm assisting the District with the project is Stantec. Current activities include evaluating delivery methods, branding, developing a funding strategy, and the preliminary demonstration facility design.

- The Upper Amargosa Creek Recharge Project construction is complete. The project partners, City of Palmdale, LA County Waterworks, and AVEK, are now finalizing the operation and maintenance agreement.

The City of Palmdale recently notified the project partners about the mitigation requirements and costs. The two stages, 11.28 acres and 38.72 acres, of mitigation are being finalized with the regulatory agencies. The estimated construction costs are \$1,305,472 and \$3,100,000, respectively, and will be built several years apart. The City is also seeking grant funding for these costs.

- Delta Conveyance Design and Construction Authority (DCA): This joint power authority is responsible for the environmental, design, and engineering of the project and works with the Department of Water Resources (DWR) on the project. The Board is now reorganized with more representation from smaller agencies. This includes adding two seats for the East Branch, Class 8, of the California Aqueduct. The agencies are AVEK, PWD, Littlerock Creek Irrigation District (LCID), Mojave Water Agency (MWA), Crestline-Lake Arrowhead Water Agency, San Gabriel Valley Municipal Water District, San Bernardino Valley Municipal Water District (SBVMWD), San Geronio Pass Water Agency, Desert Water Agency, and Coachella Valley Water District (CVWD).

The Delta Conveyance Project (DCP) is moving to the next step of a Draft EIR/EIS (Draft) for the public's review. The Department of Water Resources released the Draft on July 27, 2022. The public review period is 90-days.



Organizational Excellence *Train, Perform, Reward*

This initiative includes efforts to restructure staff duties and activities to more efficiently provide service to our customers. Recent highlights are as follows:

- Nearly 80 percent of the District's staff is required to have certifications or licenses issued by the State of California. Many of these have continuing education requirements which must be met by technical training. The District provides for this in several ways including hosting classes given by the California Rural Water Association, having a training budget for staff to attend conferences, and providing an education tuition allowance for each employee.
- COVID-19 Pandemic Response: District staff initiated a draft Pandemic Response Plan on March 4, 2020 as the State of California and County of Los Angeles issued declarations of emergency. The other options to conduct business with the District, including using the website, calling Customer Care, using the automated phone system, and using remote payment sites, were promoted on social media, the website, and radio spots.

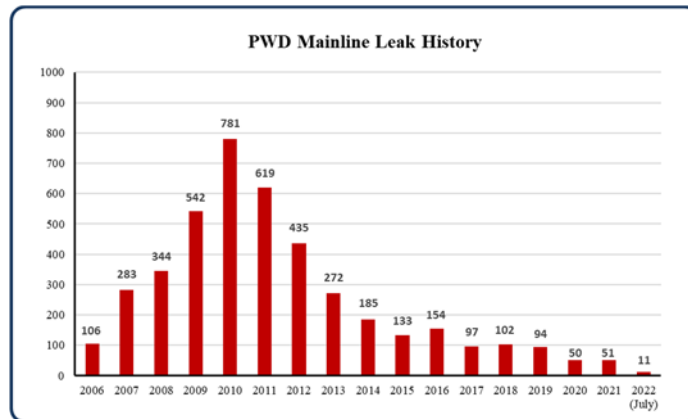
The District also continued to comply with social distancing regulations by updating the Pandemic Response Plan, rotating staff to work from home, staggering work hours, and providing face coverings for staff. The lobby was reopened Monday, July 12, 2021. Customer Care representatives continue to alternate between working from the office and home.
- Despite the pandemic, the District has continued to find ways for internships and training opportunities for college and high school students who are interested in the water industry. The Board also recently authorized paid internships for the remainder of this year.
- Updated job descriptions will be used as the basis of a salary survey with comparable water agencies later this year.
- The Employee Handbook was reviewed and recommended for Board approval by the Ad-Hoc Committee. The Board adopted the updated handbook at a regular meeting on August 8, 2022.



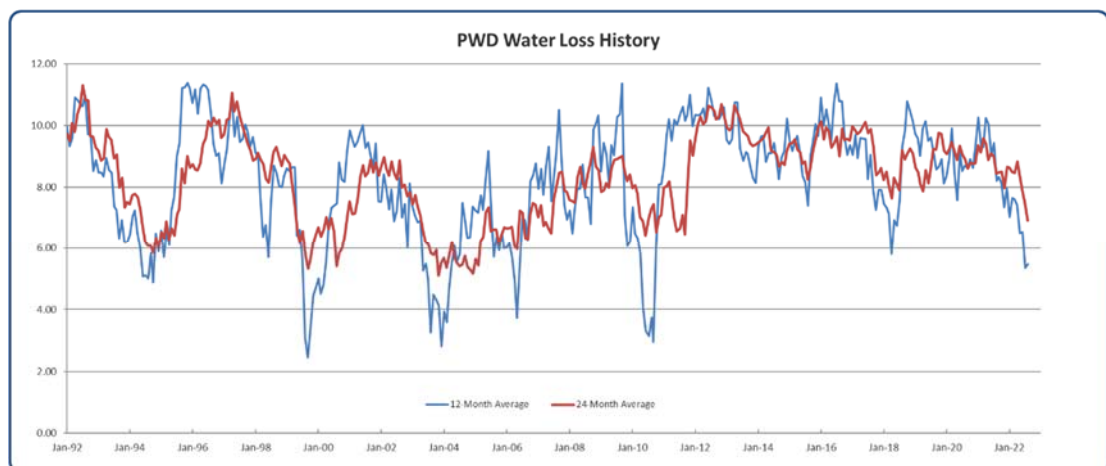
Systems Efficiency *Independence, Technology, Research*

This initiative largely focuses on the state of the District’s infrastructure. Recent highlights are as follows:

- The effects of the District’s past efforts in replacing failing water mains and meters can be seen in the reduced number of mainline leaks. This is illustrated in the chart titled “Mainline Leak History.” The mainline leaks through July 2022 total 11 with 37 service line leaks.



- Additional water main replacement projects are being designed for construction as planned in the 2019 Water Rate Plan. Completed 2022 projects include the neighborhood replacement project bounded by Desert Sands Park, Avenue Q, Division Street, and 3rd Street East and in 10th Street East north of Avenue P. Several smaller projects are in process.
- The positive effect of both water main and water meter replacement programs is also shown on the chart titled “PWD Water Loss History.” The running average for water losses is lowering and running less than 8%.



- District staff is working on two energy technologies that will benefit our customers. One is the use of batteries for backup power at four booster facilities. The other is a demonstration project for the generation and storage of hydrogen from wind energy.

These programs are grant funded and managed by the California Public Utilities Commission and California Energy Commission, respectfully. The grant funds go directly to the technology providers, Tesla and Dash2Energy. Both projects involve the installation of pre-designed and assembled equipment at District facilities with minimal construction work at the sites.

- The wind turbine has been inoperable due to a bad anemometer and related parts. Staff is working on a couple fronts to resolve this. A maintenance contract has been completed with a new firm and the needed part received. The new firm is working to replace the part. Staff is looking at the longer-term project of replacing the wind turbine. It has been in operation for eighteen years as of August 2022, and parts are difficult to find. The main considerations moving forward are maximizing the generation, the availability of repair parts, and adequate competition for maintenance contracts.



Financial Health and Stability *Strength, Consistency, Balance*

- PWD and City of Palmdale staffs have worked together to obtain funding for the Palmdale Recycled Water Authority (PRWA) Phase II Project. Last year, PRWA decided to suspend the Phase II purple pipe project while the advanced treatment project is studied. PRWA is also nearly ten years old. The Board will consider how to mark that anniversary.
- The Littlerock Sediment Removal Project was awarded nearly \$900,000 through the AVIRWMP Grant Program in the current round of funding. The approved grant for Phase II, now suspended, will be redistributed to other projects in the Antelope Valley. This will change the Littlerock grant to over \$1M.
- The 2019 Water Rate Study and Proposition 218 was completed when the Board unanimously approved Resolution No. 19-15. This set the water rate structure and water rates for 2020-2024 and includes criteria to evaluate the District's financial condition each year. It gives the Board the ability to reduce the water rates if the District's financial position meets four (4) of the criteria in an annual review while preparing the following year's budget.
- Fitch Ratings reviewed the District's bond rating in December 2021. The review affirmed the District's rating with them of "A+" with a stable outlook. This is a good result considering the uncertainty of operating in the COVID-19 pandemic.

- The District is seeking State and/or Federal assistance to provide water service to the Alpine Springs Mobile Home Park on Sierra Highway. It has poor water quality from its well, has several health violations, and now relies on hauled water. Maria Kennedy, Kennedy Communications, is experienced with these programs and is contracted with the District to accomplish it.

The first step will be the State completing an agreement and issuing a check to fund water hauling until the connection to the District is designed, constructed, and operational.

- The shutoff moratorium is over as of January 2022. Staff has started providing dated notices to delinquent customers. However, the District will only focus on customers who were behind in February 2020 and current amounts over \$600. Shutoffs begin in March. They have moved forward with lower amounts of outstanding bills. Shutoffs are now nearly back to pre-pandemic levels.

Staff is working with customers by setting up Special Payment Arrangements (SPA's) and assisting with any available State or Federal programs to help customers address unpaid balances.



Regional Leadership *Engage, Lead, Progress*

This initiative includes efforts to involve the community, be involved in regional activities, and be a resource for other agencies in the area. Recent highlights are as follows:

- Activities of the Palmdale Recycled Water Authority (PRWA), AV Integrated Regional Water Management Plan (IRWMP), and Antelope Valley State Water Contractors Association have continued. The District has leadership positions in these organizations.
- The PWRA Board consists of two Palmdale City Councilmembers, two PWD Board members, and a public director Zakeya Anson.
- The District staff continues to share the administration of the Antelope Valley Watermaster Board (AVWB) with AVEK and related meetings.
- District staff is active in the local chambers, AV EDGE, regional human resources, and public information organizations.
- The “PWD Water Ambassador Academy” (WAA) was completed in April 2022.
- The District and other members of the Public Water Agencies Group (PWAG) share the services of an Emergency Preparedness Coordinator. This approach also helped the District successfully comply with the America’s Water Infrastructure Act (AWIA) of 2018 and respond to the current COVID-19 event.

- Staff has taken a lead role in developing and implementing a valley-wide mutual aid agreement for agencies and mutual water companies.
- The District and United Water Conservation District approved a memorandum of understanding (MOU) to work on cooperative projects. These include internships and cooperation with community colleges, combined recreational funding for Piru and Littlerock Reservoir recreational improvements, and advanced treatment of recycled or brackish water for potable use.



Customer Care, Advocacy, and Outreach *Promote, Educate, Support*

This initiative includes efforts to better serve our customers. Recent highlights are as follows:

- The Board approved moving forward with a new supplier, meter brand, and reading system at the first meeting in September 2020. This change has been troublesome. The new equipment is having difficulty reading all the District’s existing water meters. Efforts to resolve the problem are continuing.
- The ability to make payments at 7-Eleven and Family Dollar Store as well as all electronic forms of payment are continuing to grow due to the COVID-19 event.
- The Rate Assistance Program reached capacity by February. Staff continually monitors it for openings and will begin taking applications for 2023 in November 2022.
- Staff successfully conducted virtual coffee meetings with Directors and their constituents, online “Let’s Talk H2O” meetings, issued regular internal and public newsletters, coordinated drive-through giveaways for customers, an in-person customer appreciation day, monitored and maintained the District’s social media, and assisted with information for the current drought.
- Staff has finished updating the public website and is working to complete the intranet for staff.