

CRESCENTA VALLEY WATER DISTRICT

2700 Foothill Boulevard
La Crescenta, California

Agenda for the
Regular Meeting of the Board of Directors
of the Crescenta Valley Water District
to be held on Tuesday, May 14, 2024, at 7:00 p.m.

Posted: Friday, May 10, 2024 at 5:00 p.m.

This meeting will be conducted in person at the address listed above. Members of the public may also participate virtually by using a touchtone phone. You may select any of the following phone numbers (there are more than one for increased reliability during this time of increased phone traffic)

(669) 900-6833

(346) 248-7799

(929) 205-6099

(253) 215-8782

(301) 715-8592

(312) 626-6799

Then, enter Access Code: 815 7791 6124

Those members of the public who are able to and would like to additionally participate through computer may access the Zoom audio & video conferencing tool available at the following link:

<https://us02web.zoom.us/j/81577916124>

If there is a disruption of service, this meeting will continue without remote participation. The remote participation option is provided as a convenience to the public and is not required.

Public comment may be made either by emailing comments ahead of the meeting or by speaking over the phone. Emailed comments will be sent to the Board of Directors prior to the meeting and posted on the District's website. Comments may be sent to customer service, at (818) 248-3925 or customerservice@cvwd.com by 3pm on May 14, 2024.

Any person may make a request for a disability-related modification or accommodation needed for that person to be able to participate in the public meeting by contacting the District by phone or in writing at the above email address. Requests must specify the nature of the disability and the type of accommodation requested. A telephone number or other contact information should be included so that District staff may discuss appropriate arrangements. Persons requesting a disability-related accommodation should make the request with adequate time before the meeting for the District to provide the requested accommodation.

Any written materials distributed to the Board in connection with this agenda will be made available at the same time for public inspection at the District office located at the above address and posted on the District's website.

Call to Order and Determination of Quorum

Pledge of Allegiance

Adoption of Agenda

Public Comments

At this time, the public shall have an opportunity to comment on any non-agenda item relevant to the subject matter jurisdiction of the Board. This opportunity is non-transferable, and speakers are limited to one three-minute (3) comment. Under the provisions of the Brown Act, the Board is prohibited from taking action on items not listed on the agenda, except under certain circumstances.

Foothill Municipal Water District Report

1. Report on activities at Foothill Municipal Water District.

Consent Calendar

1. Consideration and approval of the Minutes of the Adjourned Regular Board Meeting on April 23, 2024.
2. Ratification of Disbursements for February 2024 and March 2024.
3. Ratification of Board Compensation for April 2024

Action Calendar

The public shall have an opportunity to comment on any action item as each item is considered by the Board. This opportunity is non-transferable, and speakers are limited to one two-minute (2) comment.

1. **Capital Charge Renewal** – Consideration and motion to approve capital charge notice and associated schedule.
2. **Los Angeles County Water Plan** – Consideration and motion to adopt Resolution No. 793 the Los Angeles County Water Plan.

Information Items

Written Communications to District/Board of Directors

General Manager's Report

Attorney Report

Reports of Committees

- Engineering Committee
- Finance Committee
- Employee Relations Committee
- Policy Committee
- Community Relations/Water Conservation Committee
- Emergency Planning Committee
- Technology Committee

Directors' Oral Reports – Reports on issues, meetings, or activities attended by Directors.

Board Members' Request for Future Agenda Items

Closed Session

PUBLIC EMPLOYEE APPOINTMENT

Title: General Counsel

CONFERENCE WITH LEGAL COUNSEL

Existing Litigation - (Paragraph (1) of subdivision (d) of Section 54956.9) Name of Case: Aqueous Film-Forming Foam (AFFF) Product Liability Litigation (MDL 2873), DISTRICT COURT FOR THE DISTRICT OF SOUTH CAROLINA, MASTER DOCKET NO. 2:18-MN-2873-RMG

Adjournment

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CRESCENTA VALLEY WATER DISTRICT
ADJOURNED REGULAR MEETING, BOARD OF DIRECTORS
April 23, 2024

Pursuant to the order of the Board of Directors of the Crescenta Valley Water District made at the Adjourned Regular Meeting on March 26, 2024, an Adjourned Regular Meeting was held on April 23, 2024, at 7:00 p.m. at the District office at 2700 Foothill Blvd., La Crescenta, California and through audio and video conference. A call-in number was clearly noted on the meeting Agenda, posted in accordance with the Brown Act, with President Sharon Raghavachary presiding.

At roll call, the following Directors and staff members were present or online:

Directors:

James D. Bodnar
Kerry D. Erickson
Jeffery W. Johnson
Sharon S. Raghavachary
Jennifer T. Valdez

Attorney:

Thomas Bunn

General Manager:

James Lee

**Interim Director of Engineering
and Operations:**

Brook Yared (absent)

**Interim Director of Finance
and Administration:**

Arturo Montes

Staff Members:

Tessa Allmon, Customer Service Lead
Patrick Atwater, Regulatory & Public Affairs Manager
Kellen Boyce, System Operations Manager
Adam Sutphin, Senior Management Analyst
Darlene Telles, Operations & Maintenance Manager
Pam Leddy, Administrative Assistant

Guests:

Frank Colcord, Foothill Municipal Water District
Orlando Torres, Singer Lewak, LLP

PLEDGE OF ALLEGIANCE

Director Valdez opened the meeting by leading the Directors and staff in reciting the Pledge of Allegiance.

ADOPTION OF AGENDA

It was moved by Director Johnson, seconded by Director Bodnar, and carried by a 5-0 vote that the Agenda for the Adjourned Regular Meeting of April 23, 2024, be adopted.

PUBLIC COMMENTS – No public comments.

FOOTHILL MUNICIPAL WATER DISTRICT REPORT – Director Colcord announced that the Department of Water Resources increased the State Water Project allocation from 30% to 40%. Mr. Colcord noted that Lake Oroville, which anchors the State Water Project, is at or near capacity, and the April snowpack levels are 100% of average. Mr. Colcord stated that the Metropolitan Water District Board has approved their budget for 2025/26 which includes a rate increase of 11% in January 2025, and 10% in January 2026 for treated water. Mr. Colcord added that the increase to include additional fees to the line item on property tax bill has not yet been voted upon.

CONSENT CALENDAR

It was moved by Director Erickson, seconded by Director Johnson, and carried by a 5-0 vote to approve the Minutes of the Adjourned Regular Board Meeting held on March 26, 2024, and to ratify the Director Compensation Report for March 2024.

ACTION CALENDAR

Acceptance of Audited Financial Statements – Mr. Montes introduced Mr. Orlando Torres of Singer Lewak, LLP, the District's auditor. Mr. Torres provided a presentation of the Audited Financial Statements and Governance Letter for Fiscal Year 2022-23. Mr. Torres noted that the District was assigned the rating of "reported fairly", the highest available opinion for an audit.

Following discussion:

It was moved by Director Johnson, seconded by Director Erickson, and carried by a 5-0 vote to accept the audited financial statements for FY 2022-23.

Third Quarter Budget Report – Mr. Montes presented an overview and detailed information by each department for actual revenue and expenditure figures for the third quarter of FY 2023-24. Mr. Montes pointed out that the District has recorded 66% of the expected water consumption sales for the year, whereas historically the District collects 75% of expected water sales by the third quarter. Mr. Montes explained that because less water is being produced, projected imported water purchases and power costs are lower than budgeted. Mr. Montes stated that District expenses as a whole are expected to come in lower than budgeted.

PFAS Update – Mr. Lee provided background information of Per- and polyfluoroalkyl substances (PFAS) which are a group of more than 12,000 human-made substances that are not naturally occurring and are resistant to heat, water, and oil. Mr. Lee indicated that CVWD's Well 8 tested at the State's response level for downstream customers in April 2023 and stated that CVWD continues to sample and test for each of the District's wells. Mr. Lee explained that the data shows an impact "plume" of PFAS for the wells along the Verdugo Wash and thus formed an Ad Hoc PFAS Committee to begin discussion of the District's short and longer-term considerations regarding sources of contamination, pursuit of funding/reimbursement sources, cost analyses for potential treatment, and various messaging to customers.

INFORMATION ITEMS – CV Weekly – March 28, 2024 “News From the CVWD”, CV Weekly – April 18, 2024 “Letting the Rain Run Through Our (Future) Drought Fingers”.

WRITTEN COMMUNICATIONS TO DISTRICT – None

GENERAL MANAGER – Mr. Sutphin shared that an additional \$195,000 was received from the State Water Board arrearages program to assist customers who were unable to pay water bills between January 2021 and December 2022. Mr. Lee shared that the second “Office Hours” at the La Crescenta Library on April 17th focused on the District’s “in-house pipeline” initiative and was well attended by the community. Mr. Lee added that a Safety Lunch/Solar Eclipse viewing on April 8th was enjoyed by CVWD employees along with an evening “Spring Fling” event with family and friends on April 12th. Ms. Telles provided highlights of the March Field Maintenance and Operations Report. Mr. Montes provided an Investment Portfolio Report as of March 2024.

ATTORNEY REPORT – Mr. Bunn reported that the *Plone Trust, et al. v. Kalousd Pandazos, et al.*, Los Angeles Superior Court Case No. 21STCV19845; and *Perry Lazar, et al. v. County of Los Angeles, et al.*, Los Angeles Superior Court Case No. 22STCV34822 lawsuits against CVWD have been dismissed.

REPORTS OF COMMITTEES

Engineering and Operations Committee – Director Bodnar reported that the Committee had not met; however, a meeting will be scheduled as needed.

Finance Committee – Director Raghavachary reported that the Committee had not met; however, a meeting will be scheduled as needed.

Employee Relations Committee – Director Valdez reported that the Committee had not met; however, a meeting will be scheduled as needed.

Policy Committee – Director Bodnar reported that the Committee had not met; however, a meeting will be scheduled as needed.

Community Relations/Water Conservation Committee – Director Raghavachary reported that the Committee had not met; however, a meeting will be scheduled as needed.

Emergency Planning Committee – Director Johnson reported that the Committee had not met; however, a meeting will be scheduled as needed.

Executive Committee – Director Raghavachary reported that the Committee had not met; however, a meeting will be scheduled as needed.

Technology Committee – Mr. Lee reported that the Committee had not met; however, a meeting will be scheduled as needed.

DIRECTORS’ ORAL REPORTS

Director Bodnar – Reported that he had completed the “Anti-Harassment” training as required by ACWA/JPIA. Director Bodnar shared that he attended the Spring Fling on April 12th and the Office Hours at La Crescenta Library on April 17th.

Director Erickson – Reported that he attended the 100-year celebrations at St. Lukes and the American Legion. Director Erickson also attended a magic show at the La Crescenta Women’s Club.

Director Johnson – Reported that he recently observed the highest water level while visiting Malibu Creek State Park.

Director Raghavachary – Announced that the vacant property located at the upper portion of Canyonside has been placed on the market.

Director Valdez – No report

BOARD MEMBERS REQUESTS FOR FUTURE AGENDA ITEMS – changes to Conservation Level Alerts

CLOSED SESSION – None

ADJOURNMENT

There being no other business to come before the Board, at 9:05 p.m., the meeting was adjourned to May 14, 2024, at 7:00 p.m.

APPROVED

Sharon S. Raghavachary
President

Arturo Montes
Board Secretary

CASH DISBURSEMENTS LIST

FEBRUARY 2024



<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
0		Los Angeles County Public Works	Excavation permits - February 2024	7,513.00	
0	02/23/2024	Cal PERS	PERS Contributions - January/February 2024	31,493.49	9,786.48
0	02/27/2024	U.S. Bank	2024 Bonds - Installment payment	44,387.50	
0	02/27/2024	U.S. Bank	2020 Bonds - Installment payment	172,467.67	
0	02/27/2024	SCE	Power purchased- January 2024	25,283.24	499.54
0	02/02/2024	One Ring	Glenwood/Office - data communication	1,012.50	337.50
0	02/08/2024	Colonial Life	Employee paid insurance - January 2024	178.61	
0	02/16/2024	Shell	Purchased fuel - February 2024	2,392.80	797.60
0	02/28/2024	BMO- Employee Credit Cards	Employee credit cards		
		Atwater, Patrick	Conference, staff development, monthly website	954.89	318.30
		Boyce, Kellen	AWWA Conference, travel expense	716.22	238.74
		Leddy,, Pam	Conference, Meeting room tables, business cards, networking	2,042.84	680.95
		Lee, James	Employee recognition, networking	245.66	81.89
		Montes, Arturo	Software, employment ads, office supplies	1,334.29	444.76
		Sutphin, Adam	Permits, GWP Power, Spectrum, phone services, misc. repairs	73,986.65	24,662.22
		Telles, Darlene	Conferences, travel, networking, misc. tools & supplies	5,996.93	1,998.98
		Whittaker, Jake	Tools, misc. supplies, vehicle repairs	2,385.46	795.15
		Yared, Brook	AWWA Conferences, misc. tools & supplies	3,210.61	1,070.20
47377	02/01/2024	ACC Ramco	Mixed bobtail - January 2024	220.04	
47378	02/01/2024	ACWA/JPIA	Workers compensation insurance - Oct./Nov./Dec. 2023	17,225.57	11,483.71
47379	02/01/2024	Anser Advisory Management, LLC	E-1046 - Inspection services - June 2023	19,434.00	
47380	02/01/2024	Aqua - Metric Sales, Co.	21 - 1.5" meters	3,216.81	
47381			*This check was voided		
47382	02/01/2024	Brik-Art	Encinal Reservoir Stairway Project - deposit request	10,000.00	
47383	02/01/2024	City of Glendale	3130 Montrose - application for excavation permit	987.00	
47384			*This check was voided		
47385	02/01/2024	Underground Service Alert	Underground notifications - January 2024	195.19	65.06
47386	02/07/2024	ADS, LLC	Sewer flow monitoring/waste water sampling - January 2024		1,187.00
47387	02/07/2024	Anawalt Lumber & Materials, Co.	Misc. supplies - January 2024	90.95	30.32

47388	02/07/2024	Applied Technology Group, Inc.	E-939 - SCADA equipment - January 2024	22.50	7.50
47389	02/07/2024	Aqua - Metric Sales, Co.	E-1044 - 1-1/2" water meters	33,861.24	
47390	02/07/2024	Armine Sargsyan	Mileage reimbursement	31.36	10.45
47391	02/07/2024	Regino Avalos	Monthly landscaping services at 8 sites - January 2024	1,241.25	413.75
47392	02/07/2024	Breaking the Chain Consulting	Leadership Academy Class - registration	1,470.00	490.00
47393	02/07/2024	BSK Associates	Water sampling - January 2024	15,255.91	
47394	02/07/2024	CCS Interactive, Inc.	Monthly web services - February 2024	127.50	42.50
47395	02/07/2024	City of Glendale	Rockhaven lease and water purchased - January 2024	10,544.21	
47396	02/07/2024	Consolidated Electrical Distributors, Inc.	E-939 - SCADA equipment - January 2024	152.93	
47397	02/07/2024	DIY Home Center	Misc. supplies - January 2024	3.59	1.20
47398	02/07/2024	Foothill Municipal Water	Water purchased - January 2024	199,571.97	
47399	02/07/2024	Grace Environmental Services	Nitrate plant maintenance - Oct./Nov./Dec. 2023	731.46	
47400	02/07/2024	Gsolutionz Professional Services	Annual contract renewal - GPS Core/phones/software	282.92	94.31
47401	02/07/2024	Hach Company	Chlorine analyzer parts & supplies - January 2024	2,822.40	
47402	02/07/2024	InfoSend, Inc.	Printing and postage for billing - January 2024	2,279.34	759.77
47403	02/07/2024	CVWD Customer	Pipeline capital charge refund	194.06	
47404	02/07/2024	Koppl Pipeline Services, Inc.	E-1067 - 4 x 12 hydrant weld nozzle - 4 each	1,674.24	
47405	02/07/2024	O'Reilly Auto Parts	Misc. parts - January 2024	5.74	1.91
47406	02/07/2024	Pape Material Handling	Misc. supplies - January 2024	10.18	
47407	02/07/2024	Paveco Construction, Inc.	Paving at various locations	19,528.23	
47408	02/07/2024	Reliable Road Service, Inc.	Unit #18 - Service, oil & filter changes	593.62	197.87
47409	02/07/2024	Underground Service Alert	Monthly California State regulatory fee	67.64	22.54
47410	02/07/2024	Univar Solutions USA, Inc.	Sodium hypochloride - Glenwood (745 gals.) Mills (275 gals.)	8,935.25	
47411	02/07/2024	Western Water Works	Repair clamp, tapping machine repair, packing gland, boring bar	2,257.02	
47412	02/07/2024	Vision Service Plan, Co.	Vision coverage - February 2024	-35.70	178.50
47413	02/20/2024	Liebert Cassidy Whitmore	Legal services - October 2023	4,510.52	1,503.48
47414	02/20/2024	Univar Solutions USA, Inc.	Sodium hypochloride - Glenwood (610 gals.)	3,272.94	
47415	02/22/2024	A to Z Home Repair, Inc.	2709 Ridgeline - bee relocation services	125.00	
47416	02/22/2024	AALRR	Legal services - January 2024	829.50	
47417	02/22/2024	Airgas USA, LLC	Well #2 - carbon dioxide rental tank - January 2024	16.88	5.62
47418	02/22/2024	Anser Advisory Management, LLC	E-1046 - Inspection services - November 2023	2,322.00	
47419	02/22/2024	ARC	Plotter supplies - January 2024	144.54	48.18
47420	02/22/2024	ATS Communications	Telecommunication management - Oct./Nov./Dec. 2023	187.50	62.50
47421	02/22/2024	Cesar Velasquez	Wellness reimbursement - FY 23/24	225.00	75.00
47422	02/22/2024	David Escalera	Wellness reimbursement - FY 23/24	225.00	75.00
47423	02/22/2024	DIY Home Center	Misc. supplies - January 2024	42.12	14.03
47424	02/22/2024	Harper & Associates Eng, Inc.	E-1046 - Goss Canyon No. 2 - Engineering services - December 2023	4,700.00	
47425	02/22/2024	J. Vega Engineering, Inc.	E-1046 - procurement of additional materials	4,936.95	

47426	02/22/2024	J. Vega Engineering, Inc.	E-1046 - procurement of additional materials	3,090.00	
47427	02/22/2024	J. Vega Engineering, Inc.	E-1046 - procurement of additional materials	3,108.75	
47428	02/22/2024	J. Vega Engineering, Inc.	E-1046 - procurement of additional materials	1,625.00	
47429	02/22/2024	J. Vega Engineering, Inc.	E-1046 - procurement of additional materials	648.00	
47430	02/22/2024	J. Vega Engineering, Inc.	E-1046 - procurement of additional materials	504.80	
47431	02/22/2024	J. Vega Engineering, Inc.	E-1046 - procurement of additional materials	962.00	
47432	02/22/2024	J. Vega Engineering, Inc.	E-1046 - procurement of additional materials	813.00	
47433	02/22/2024	J. Vega Engineering, Inc.	E-1046 - procurement of additional materials	2,754.00	
47434	02/22/2024	J. Vega Engineering, Inc.	E-1046 - procurement of additional materials	262.00	
47435	02/22/2024	Jay & J Janitorial Services	Janitorial services - February 2024	646.50	215.50
47436	02/22/2024	Public Water Agencies Group	Monthly PWAG assessment - January 2024	1,179.53	393.18
47437	02/22/2024	Red Wing Business Advantage	Dodge - Safety work boots	180.66	60.22
47438	02/22/2024	Jonathan Russo	Wellness reimbursement - FY 23/24	225.00	75.00
47439	02/22/2024	Uline, Inc.	Misc. supplies - January 2024	406.68	135.56
47440	02/26/2024	ACC Ramco	Mixed bobtail - January 2024	123.20	
47441	02/26/2024	American Reclamation, Inc.	Waste collection services - February 2024	77.18	25.72
47442	02/26/2024	Associated Soils Engineering	Compaction Testing - January 2024	1,340.00	
47443	02/26/2024	ATS Communications	Telecommunication management - January 2024	375.00	125.00
47444	02/26/2024	Petty Cash	Reimburse petty cash	291.84	74.18
47445	02/26/2024	City of Los Angeles Dept. Of Public Works	Sewerage facilities charge - Nov./Dec. 2023		139,156.00
47446	02/26/2024	Consolidated Electrical Distributors, Inc.	E-939 - SCADA - 24VDC port adapter	6,245.72	
47447	02/26/2024	Raymond Dodge	E-939 reimbursement	174.99	
47448	02/26/2024	Dunn-Edwards Corporation	Paint & supplies - January 2024	239.73	79.91
47449	02/26/2024	Foothill Car Wash, Lube & Oil	Unit #60 - oil change	57.32	19.11
47450	02/26/2024	General Pump Company, Inc.	Paschall Booster B rental pump, Ocean View Booster C pump & motor assembly	6,923.00	
47451	02/26/2024	Hach Company	Termination board	955.87	
47452	02/26/2024	Harper & Associates Eng, Inc.	E-1046 - Goss Canyon No. 2 - Engineering services - January 2024	2,158.00	
47453	02/26/2024	Kennedy Jenks	Consulting services - February 2024		50,365.00
47454	02/26/2024	LA Dept Water and Power	Power purchased - January 2024	48.13	
47455	02/26/2024	LJ's Access Systems, Inc.	Preventative service maintenance - 10 gates & roll up	925.00	
47456	02/26/2024	Rene Malekian	Refund check - 2755 Willowhaven	7.06	
47457	02/26/2024	Mc Fence Co.	Ordunio Reservoir - install approximately 140'x6' galvanized chain link	5,550.00	
47458	02/26/2024	O'Reilly Auto Parts	Unit #48 - battery	480.86	160.29
47459	02/26/2024	Paper Cuts, Inc.	Paper shredding - Jan/Feb 2024	3.75	1.25
47460	02/26/2024	Probolsky Research, LLC	CVWD Customer Survey	24,900.00	
47461	02/26/2024	Quadient Leasing USA, Inc.	Postage machine lease - March/April/May 2024	316.97	105.66
47462	02/26/2024	Santa Fe Water Systems	1/2" pressure relief valve	422.98	
47463	02/26/2024	SoCal Gas	Office - gas purchased - January 2024	316.78	105.59

47464	02/26/2024	Southland Pipe Corp.	Steel pipe 4" cml x cmc 20' weld bell - 200 feet	6,504.75	
47465			*This check was voided		
47466	02/26/2024	Total Graphics	CVWD logo magnetic stickers	225.00	75.00
47467	02/26/2024	USA Blue Book	Voltage hour & elapsed time hour meters	562.46	
47468	02/26/2024	Utility Cost Management, LLC	SCE electricity service	1,663.42	554.47
47469	02/26/2024	Western Water Works	E-1067 - Slip-on 12" weld flanges - 12 ea.	969.07	
47470	02/26/2024	William Wray	Refund check - 2636 Hermosa	32.79	
47471	02/28/2024	Brik-Art	Encinal Reservoir - replace existing ladder	8,390.00	

Subtotals	\$ 836,825.52	250,209.14
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Total Disbursements for February 2024		1,087,034.66
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Payroll Report

Directors	2,500.00
Office Regular Payroll	147,812.00
Office OT	4,328.00
Plant Regular Payroll	104,170.00
Plant OT & Standby	12,988.00
Employer Payroll Taxes	20,723.00
Payroll Service Charges	462.00

Total Payroll for February 2024	292,983.00
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CASH DISBURSEMENTS LIST

MARCH 2024



<u>Check#</u>	<u>Check Date</u>	<u>Payable To</u>	<u>Description</u>	<u>Water Amount</u>	<u>Wastewater Amount</u>
	03/01/2024	Vision Services Plan	Vision insurance - February 2024	321.30	
	03/05/2024	One Ring Network	Glenwood/Office - voice communications - February 2024	1,012.50	337.50
	03/12/2024	Colonial	Employee paid insurance - February 2024	178.61	
	03/13/2024	Aflac	Employee paid insurance - February 2024	1,922.55	
	03/19/2024	Shell	Purchased fuel - February 2024	2,280.35	760.12
	03/26/2024	CalPERS	PERS Contributions - February 2024	21,051.44	9,539.41
	03/27/2024	Southern California Edison	Power purchased - February 2024	46,208.10	912.97
		Los Angeles County Public Works	Excavation permits - March 2024	6,469.20	
		BMO - Employee Credit Cards			
		Atwater, Patrick	Monthly web hosting, networking	430.70	143.57
		Boyce, Kellen	Conference travel expenses, office supplies	867.89	289.30
		Leddy, Pam	Meeting room chairs & supplies, employee recognition	3,055.30	1,018.43
		Lee, James	Employee recognition, networking, travel & parking	517.99	172.66
		Montes, Arturo	Networking, meeting supplies	88.93	29.64
		Sutphin, Adam	GWP Power, Spectrum, pest control, networking, training, office supplies	16,965.15	5,655.05
		Telles, Darlene	Conferences, travel expenses, vehicle repairs, tools & supplies	3,511.40	1,170.47
		Whittaker, Jake	Training, tools, office supplies	818.12	272.71
		Yared, Brook	AWWA Conference, media materials	410.23	136.74
47472	03/06/2024	AALRR	Legal services - February 2024	124.42	41.48
47473	03/06/2024	ACC Ramco	Mixed bobtail - February 2024	39.45	
47474	03/06/2024	ADS, LLC	Sewer flow monitoring - March 2024		1,187.00
47475	03/06/2024	AES Water, Inc.	T6 seismic instrument - maintenance @ 7 sites - February 2024	5,996.63	
47476	03/06/2024	Maritess Allmon	Mileage reimbursement	13.41	4.47
47477	03/06/2024	Aqua - Metric Sales, Co.	Handheld meter reader repairs	358.09	4.00
47478	03/06/2024	Armine Sargsyan	Reimbursement - workpants	90.96	30.32
47479	03/06/2024	Best Best & Krieger	Legal services - February 2024	621.00	207.00
47480	03/06/2024	BSK Associates	Water sampling - February 2024	17,104.18	
47481	03/06/2024	Costco	Misc. office supplies - February 2024	207.38	69.12
47482	03/06/2024	City of Glendale	2759 Montrose - permit	3,435.00	

47483	03/06/2024	Civiltec Engineering, Inc.	Edmund #2 Reservoir - Easement parcel drawings	7,295.00	
47484	03/06/2024	Clark Pest Control, Inc.	Office - Pest control services - February 2024	138.00	46.00
47485	03/06/2024	Community All Stars	CVHS sports sponsorship	845.00	
47486	03/06/2024	Emins Air Conditioning & Heating	Office - repair furnace	112.50	37.50
47487	03/06/2024	Foothill Car Wash, Lube & Oil	Unit #'s 48, 36, 60, & 62 - oil changes	331.10	111.36
47488	03/06/2024	Ray Golucino	Refund check - 2108 Waltonia	2.85	
47489	03/06/2024	Greydiantscape Architecture Inc.	Refund for flood meter	877.32	
47490	03/06/2024	Highroad Information Technology	Managed services, support, renewals & equipment - March 2024	9,401.25	3,133.75
47491	03/06/2024	InfoSend, Inc.	Printing and postage for billing - February 2024	5,109.74	1,703.24
47492	03/06/2024	J. Colon Coatings, Inc.	E-1066 - Progress payment #2 - January 2024	35,720.00	
47493	03/06/2024	Jay & J Janitorial Services	Janitorial services - February 2024	646.50	215.50
47494	03/06/2024	Katz & Associates, Inc.	Advisory services - January 2024	1,477.50	492.50
47495	03/06/2024	Liebert Cassidy Whitmore	Legal services - February 2024	3,232.88	1,077.62
47496	03/06/2024	Zoe Miller	Refund check - 4355 Pennsylvania	34.16	
47497	03/06/2024	O'Reilly Auto Parts	Misc. supplies - February 2024	15.58	5.20
47498	03/06/2024	Paper Cuts, Inc.	Paper shredding - Feb./Mar. 2024	61.87	20.63
47499	03/06/2024	Public Water Agencies Group	Monthly PWAG assessment - February 2024	951.17	317.06
47500	03/06/2024	Singer Lewak	Professional services - January 2024	2,550.00	850.00
47501	03/06/2024	South Coast Air Quality	Flat fee for last fiscal year emissions - FY 23/24	665.26	
47502	03/06/2024	Steven Engineering, Inc.	E-939 - SCADA - Misc. supplies - February 2024	820.16	
47503			* This check was voided		
47504	03/06/2024	Ultra Welding, Inc.	3130 Montrose & 2941 Mary - Misc. welding	2,465.00	
47505	03/06/2024	UniFirst Corporation	Uniform cleaning services - January 2024	190.36	63.46
47506	03/06/2024	UniFirst Corporation	Uniform cleaning services - January 2024	190.36	63.46
47507	03/06/2024	UniFirst Corporation	Uniform cleaning services - February 2024	198.14	66.04
47508	03/06/2024	UniFirst Corporation	Uniform cleaning services - February 2024	198.14	66.04
47509	03/06/2024	Vulcan Materials Company	Mixed bobtail - March 2024	980.00	
47510	03/06/2024	Water Resources Economics	Consulting services - rate study - February 2024	3,123.75	1,041.25
47511	03/06/2024	Western Water Works	Stock - hydrant rebuild kits, service brass, large meter boxes, misc.	85,281.82	
47512	03/06/2024	Western Water Works	Stock - various hydrant adapters	4,145.24	
47513			* This check was voided		
47514			* This check was voided		
47515			* This check was voided		
47516			* This check was voided		
47517			* This check was voided		
47518			* This check was voided		
47519			* This check was voided		
47520			* This check was voided		
47521			* This check was voided		

47522			* This check was voided		
47523			* This check was voided		
47524			* This check was voided		
47525			* This check was voided		
47526			* This check was voided		
47527	03/11/2024	American Tire Depot	Unit #'s 46 & 60 - New tires	1,060.59	353.52
47528	03/13/2024	ACC Ramco	Mixed bobtail - February 2024	540.76	
47529	03/13/2024	Advanced Centrifugal Systems, Inc.	E-1031 - manufacture/install vault kits for steel vaults	6,266.75	
47530	03/13/2024	Anawalt Lumber & Materials Co.	E-939 - SCADA equipment - February 2024	67.56	
47531	03/13/2024	Applied Technology Group, Inc.	E-939 - SCADA equipment - February 2024	22.50	7.50
47532	03/13/2024	ARC	Monthly MPS billing, wastewater specifications	345.54	115.18
47533	03/13/2024	AT&T	Voice communication - March 2024	206.45	68.82
47534	03/13/2024	ATS Communications	Telecommunication management services - February 2024	164.06	54.69
47535	03/13/2024	Regino Avalos	Monthly landscaping services at 8 sites - February 2024	1,241.25	413.75
47536	03/13/2024	Artin Babaian	3419 Montrose - refund (2 - 1" water services)	5,972.23	
47537	03/13/2024	City of Glendale	3333 Foothill Blvd. - permit fee	2,448.00	
47538	03/13/2024	DIY Home Center	Misc. supplies - February 2024	102.76	34.26
47539	03/13/2024	Emins Air Conditioning & Heating	Office - air conditioning repair	168.75	56.25
47540	03/13/2024	Foothill Car Wash, Lube & Oil	Unit #36 - oil change	121.52	40.51
47541	03/13/2024	Foothill Municipal Water	Water purchased - February 2024	170,548.41	
47542	03/13/2024	James Fritz	Wellness program - FY 23/24	225.00	75.00
47543			* This check was voided		
47544	03/13/2024	Harper & Associates Eng, Inc.	Shields, Pickens Canyon & Goss Canyon #2 - Engineering services	20,214.00	
47545	03/13/2024	Henry Esmailian	2941 Mary - refund (3 - 1" water services)	6,160.11	
47546	03/13/2024	Highroad Information Technology	Managed services, support, renewals & equipment - February 2024	11,930.25	3,976.75
47547	03/13/2024	Ixom Watercare, Inc.	Back up Mixer - Cresta	10,812.51	
47548	03/13/2024	John Robinson Consulting, Inc.	M- 965 - Grant assistance consulting services - February 2024	1,320.00	
47549	03/13/2024	Lagerlof, LLP	Legal services - February 2024	31,567.05	10,522.25
47550	03/13/2024	James Lee	Reimbursement - dental/vision/healthcare	2,409.00	803.00
47551	03/13/2024	T.T. Technologies, Inc	Repair service boring tool	782.22	
47552	03/13/2024	Toro Enterprise, Inc.	E-1067 - 12-inch water main on Montrose blocks 3000-3100	490,835.03	
47553	03/13/2024	United Concordia Dental	Dental coverage - February 2024	2,349.16	841.44
47554	03/12/2024	Western Water Works	Stock - E-1067 - various fittings, slip-on weld flanges & gate valves	20,683.56	
47555	03/22/2024	Jennifer Bautista	Reimbursement - Operator symposium	162.00	
47556	03/22/2024	Kellen Boyce	Reimbursement - Operator symposium	162.00	
47557	03/22/2024	Morgen Durose	Reimbursement - Operator symposium	162.00	
47558	03/22/2024	David Inman	Reimbursement - Operator symposium	162.00	
47559			* This check was voided		
47560			* This check was voided		

47561	03/22/2024	Christina Kopelman	Reimbursement - Clear Conference 2024	209.62	69.88
47562	03/26/2024	ACWA/JPIA	Insurance coverage - April 2024	45,180.30	24,662.63
47563	03/26/2024	Airgas USA, LLC	Well #2 - carbon dioxide rental tank, safety rain jackets - February 2024	396.47	712.98
47564	03/26/2024	City of LA Canada Flintridge	Encroachment permit/tech innovation fee	206.00	
47565	03/26/2024	Clark Pest Control, Inc.	Office - pest control services - March 2024	138.00	46.00
47566	03/26/2024	City of Los Angeles Dept. of Public Works	Sewerage facilities charge - Jan./Feb. 2024		12,198.81
47567	03/26/2024	Dion & Sons, Inc.	Diesel purchased - February 2024	2,344.89	1,009.97
47568	03/26/2024	Ferguson Water Works	Stock - 2" brass service - March 2024	539.32	
47569	03/26/2024	Foothill Car Wash, Lube & Oil	Unit #49 - oil change	55.29	18.43
47570	03/26/2024	General Pump Company, Inc.	Paschall Booster B temporary rental pump - February 2024	1,333.50	
47571	03/26/2024	David Gould	David Gould consulting - emergency preparedness	5,625.00	1,875.00
47572	03/26/2024	Katz & Associates, Inc.	Advisory services - November 2023	7,770.00	2,590.00
47573	03/26/2024	Kennedy Jenks	Consulting services - March 2024		24,457.50
47574	03/26/2024	LA Dept Water and Power	Power purchased - February 2024	47.80	
47575	03/26/2024	Lincoln Financial Group	Life & Disability Insurance - March 2024	908.65	472.71
47576	03/26/2024	O'Reilly Auto Parts	Misc. supplies - March 2024	72.59	24.20
47577	03/26/2024	PMC-STS, Inc.	Well #14 - submersible level transducer	2,249.96	
47578	03/26/2024	Tri-Xecutex Corp.	Security alarm monitoring - April/May/June 2024	162.00	54.00
47579	03/26/2024	Ultra Welding, Inc.	2295 Honolulu - misc. welding	2,660.00	
47580	03/26/2024	Water Quality & Treatment Solutions, Inc.	Technical Support Services for Chloramine Implementation - Feb. 2024	550.00	
47581	03/26/2024	Western Water Works	Stock - 4" slip-on weld flanges & fittings	10,665.30	
47582			* This check was voided		
47583	03/26/2024	American Reclamation, Inc.	Waste collection services - March 2024	77.17	25.73
47584	03/26/2024	Community All Stars	CVHS sports sponsorship	845.00	
47585	03/26/2024	Consolidated Electrical Distributors, Inc.	E-939 - SCADA supplies - February 2024	1,862.36	
47586	03/26/2024	DIY Home Center	Misc. supplies - March 2024	75.74	25.24
47587	03/26/2024	Raymond Dodge	E-939 - reimbursement	127.05	
47588	03/26/2024	Fab Gals Gifts, Inc.	Refund check - 2639 Foothill	74.34	
47589	03/26/2024	Gsolutionz Professional Services	Voice communication - February 2024	282.88	94.29
47590	03/26/2024	J. Colon Coatings, Inc.	E-1066 - Monthly progress payment #3 - February 2024	182,681.78	
47591	03/26/2024	Hera Jabarian	Refund check - 2740 El Caminito	15.49	
47592	03/26/2024	Pat-Chem Laboratories	Water sampling - final payment	27,859.00	
47593	03/26/2024	SoCal Gas	Office - gas purchased - February 2024	457.20	152.41
47594	03/26/2024	Univar Solutions USA, Inc.	Sodium hypochloride - Glenwood - (550 gallons)	2,062.50	
47595	03/26/2024	Haaker Equipment Company	Unit # 53 - clean z& install new conaflex hose	1,439.97	479.99
47596	03/26/2024	United Rentals	Unit #25 & Unit #18 - Replacement dump trucks	140,000.00	

Subtotals	1,529,027.81	\$117,625.25
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Total Disbursements for March 2024		\$1,646,653.06
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Payroll Report

Directors	2,750.00
Office Regular Payroll	144,558.00
Office OT	5,017.00
Plant Regular Payroll	171,591.00
Plant OT & Standby	17,149.00
Employer Payroll Taxes	25,913.00
Payroll Service Charges	459.00

Total Payroll for March 2024	<u>\$367,437.00</u>
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Director Compensation Report

April 2024



<u>Name</u>	<u>Date</u>	<u>Meeting/Event</u> *
Director Bodnar	4/6/2024	Training - Anti-Harassment
	4/12/2024	District Event
	4/17/2024	District Open House
	4/23/2024	Board Meeting
	4/25/2024	Webinar (PFAS)

Director Erickson	4/23/2024	Board Meeting
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Director Johnson	3/4/2024	AdHoc - PFAS
	4/12/2024	District Event
	4/23/2024	Board Meeting

Director Raghavachary	3/4/2024	AdHoc - PFAS
	4/11/2024	Conference with GM
	4/12/2024	District Event
	4/23/2024	Board Meeting
	4/25/2024	Conference with GM

Director Valdez	4/12/2024	District Event
	4/17/2024	District Open House
	4/23/2024	Board Meeting
	4/24/2024	Conference with GM

* Compensation of \$125 per meeting

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Information Item No. 1
May 14, 2024

To: Honorable President and Members of the Board of Directors
From: Arturo Montes, Interim Director of Finance & Administration
Subject: **FY 2024-25 Property Roll Capital Charge**

ACTION ITEM:

Consideration and motion to approve capital charge notice and associated schedule.

BACKGROUND

At the April 25, 2023 Board meeting, the Board approved Resolution No. 785 authorizing the collection of charges to fund the District's pipeline replacement program and private fire protection services the property tax roll pursuant to Health and Safety Code Sections 5470 et seq. At the June 27, 2023 Board meeting which was held after the required Prop 218 noticing was done and Public Hearing was held, the Board authorized the collection of fees of the full proposed amount detailed in the Prop 218 notice. The Board then implemented the collection of a lower amount, which resulted in a charge of \$194 for most properties.

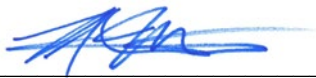
DISCUSSION

The capital charge provides revenue for debt service on the District's bonds, and staff recommends that it be renewed. In order to renew the capital charge for FY 2024-25, the District must publish a listing of each property and their associated charge along with two notices in the local paper. This is to be followed by a public hearing and a resolution at that time, which will be noticed as June 11, 2024.

RECOMMENDATION

Authorize the publication of the public notice and schedule the required Public Hearing.

Prepared and submitted by:

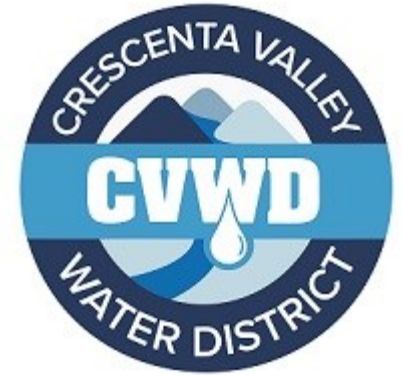


Arturo Montes
Interim Director of Finance & Administration

Attachment(s):

1. Capital Charge Public Notice

This notice applies only to those properties that receive water service from the Crescenta Valley Water District.



This is a notice that the capital charge implemented in 2023 will be renewed this year. A report containing a description of each parcel receiving water service and the amount of the charge for each parcel for the year is available for inspection at the District office and on the District's website at www.cvwd.com/updated-property-tax-roll-information

If you would like to transfer the charge to your utility bill please contact us or visit our website to complete the required form. Forms must be submitted by July 15, 2024.

There will be a public hearing held on June 11, 2024, at 6:00 p.m. The meeting will be at the District's main office at 2700 Foothill Blvd., La Crescenta, CA.

We invite you to review this information and contact us at (818) 248-3925 or feedback@cvwd.com with questions, comments or concerns.



Our Mission

To provide quality water and wastewater services to the Crescenta Valley community in a dependable and economically responsible manner.

Our Vision

Secure sustainable water supplies and ensure infrastructure reliability, while furthering our commitment to accountability, transparency and cost-effectiveness

CRESCENTA VALLEY WATER DISTRICT

BOARD OF DIRECTORS - STAFF REPORT

Action Item No. 2
May 14, 2024

To: Honorable President and Members of the Board of Directors
From: Patrick Atwater, Regulatory and Public Affairs Manager
Subject: **Adoption of the LA County Water Plan**

ACTION ITEM:

Consideration and motion to adopt Resolution No. 793 the Los Angeles County Water Plan.

BACKGROUND:

The Los Angeles County Water Plan (CWP) 2023 is a comprehensive and strategic blueprint to enhance water resilience across the County. The County's inaugural edition highlights the collaborative efforts and strategic directions needed to address the increasing pressures of climate change, population growth, and aging infrastructure on our water resources.

The CWP aims to achieve sustainable and equitable water resource management through a regional, collaborative approach that encompasses over 200 water management agencies throughout the County. Its vision is rooted in cross-sector collaboration, focusing on shared goals of sustainability, resilience, equity, and extensive stakeholder engagement.

The plan identifies four key areas for strategic focus:

1. Regional Water Supply Reliability - Enhancing reliability through better utilization of local and imported water resources.
2. Groundwater Management and Quality - Addressing challenges in groundwater quality and management through shared expertise and resources.
3. Small, At-Risk System Resilience and Drinking Water Equity - Supporting small and under-resourced systems to ensure all communities have reliable and high-quality water services.
4. Watershed Sediment Management - Mitigating wildfire impacts and managing sediment for water quality and supply benefits.

To achieve its goals, the CWP outlines several strategies, including:

- Promoting efficient water use across the county;
- Enhancing drought preparedness through consistent messaging;
- Improving groundwater recharge and management; and
- Strengthening small system resilience through regional support and partnerships.

The CWP is designed as a living document, which will be updated to reflect evolving needs and incorporate continuous stakeholder input. An interactive dashboard will track progress towards strategic targets, ensuring transparency and accountability. The ongoing collaboration among county departments, local agencies, tribes, and other stakeholders is pivotal for the successful implementation of the plan.

DISCUSSION:

The Los Angeles County Water Plan represents a significant step forward in regional water management, aiming to secure a resilient and equitable water future for all residents. Broad support and collaboration will be crucial in realizing the vision outlined in this plan.

The County Water Plan is broadly aligned with Crescenta Valley Water District's Strategic Plan and ongoing projects at the District. Formally supporting the County Water Plan provides multiple benefits for the District, including proactively developing partnerships for grant funding.

RECOMMENDATION

It is staff's recommendation that the Board adopt the LA County Water Plan through the adoption of Resolution No. 793.

Prepared and Submitted by:



Patrick Atwater
Regulatory and Public Affairs Manager

Attachment(s):

1. LA County Water Plan
2. Resolution No. 793

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LA COUNTY WATER PLAN

LOS ANGELES COUNTY WATER PLAN

2023 Edition | Water Supply Resilience

equity
sustainability
opportunity
local
water
resources
collaboration
relationships
regional
resilience

The County of Los Angeles recognizes that we occupy land originally and still inhabited and cared for by the Tongva, Tataviam, Serrano, Kizh, and Chumash Peoples. We honor and pay respect to their elders and descendants – past, present, and emerging – as they continue their stewardship of these lands and waters. We acknowledge that settler colonization resulted in land seizure, disease, subjugation, slavery, relocation, broken promises, genocide, and multigenerational trauma. This acknowledgment demonstrates our responsibility and commitment to truth, healing, and reconciliation and to elevating the stories, culture, and community of the original inhabitants of Los Angeles County. We are grateful to have the opportunity to live and work on these ancestral lands. We are dedicated to growing and sustaining relationships with Native peoples and local tribal governments, including (in no particular order) the

Fernandeño Tataviam Band of Mission Indians
Gabrielino Tongva Indians of California Tribal Council
Gabrieleno/Tongva San Gabriel Band of Mission Indians
Gabrieleño Band of Mission Indians - Kizh Nation
San Manuel Band of Mission Indians
San Fernando Band of Mission Indians

To learn more about the First Peoples of Los Angeles County, please visit the Los Angeles City/County Native American Indian Commission website at lanaic.lacounty.gov.

The Los Angeles County Water Plan (CWP) would not have been possible without the guidance, contribution, and support from numerous groups and individuals. Please see Appendix F for a full list of contributors.

DIRECTOR'S MESSAGE

As Director of Los Angeles County Public Works, it is my pleasure to introduce the Los Angeles County Water Plan (CWP), First Edition, an aspirational yet actionable blueprint for improving water resilience in our region.

This plan comes at a critical time. More frequent and intense wildfires; three years of drought followed by intense rainfall; and recently, tropical storm Hilary, the first such storm to make landfall in nearly 100 years, have all clearly demonstrated our region's vulnerability to the weather impact driven by climate change. Meanwhile, other significant stressors exist, and many are escalating, such as polluted groundwater basins, aging infrastructure, lack of access to safe, reliable, and affordable water supplies in vulnerable communities.

Water management in Los Angeles County is the responsibility of more than 200 agencies, yet there are many issues that are beyond the purview of individual agencies and should be addressed in a coordinated fashion at the countywide level. For this reason, dozens of water professionals, tribes, community leaders, and an array of diverse stakeholders came together to develop the CWP to articulate an ambitious, inclusive, and regional path to achieve water resiliency.

The CWP will not be a static document but a living roadmap that will be updated to address the evolving needs of our communities in future iterations.

Although circumstances will continue to change, a secure and equitable water future will require all involved to work together to adapt to our infrastructure and prepare our communities to be resilient and thrive.

Thank you for your continued partnership and commitment to fulfilling the vision of the Los Angeles County Water Plan.



Mark Pestrella, PE
Director of Public Works





LA COUNTY WATER PLAN EXECUTIVE SUMMARY

OUR ROUTE TO RESILIENCE, TOGETHER

Climate change is establishing a “new normal” of more frequent and intense droughts, as well as less frequent and more torrential rains. Recognizing a new climate reality and the need to be thoughtful stewards of future water supplies, the Los Angeles County Board of Supervisors envisioned the development of a countywide water plan focused on collaborative management of Los Angeles County’s water resources. Los Angeles County Public Works (Public Works) developed this Los Angeles County Water Plan (CWP), together with water resources organizations, and an array of diverse stakeholders, to secure Los Angeles County’s water future and achieve our collective vision of equitable and sustainable water resources for everyone. The CWP builds upon the 2019 OurCounty Sustainability Plan, establishing the path to realizing our vision that is rooted in cross-sector collaboration and coalition building.

VISION

The CWP articulates a shared, inclusive, regional path forward to sustainably and equitably achieve safe, clean, and reliable water resources for Los Angeles County.

SHARED OPPORTUNITIES FOR WATER RESILIENCE

THE CWP FOCUSES ON ACHIEVING REGIONAL WATER RESILIENCE THROUGH COLLABORATIVE STRATEGIES. Over 200 agencies in Los Angeles County manage a complex network of water systems to meet the needs of our communities and environment. To achieve sustainability, resilience, and equity, cross-sector teamwork and a holistic approach to best leverage natural systems and infrastructure are essential. This plan is a living document. The targets, strategies, and actions are a starting point in this effort.

The CWP is not intended to address every water-related issue in Los Angeles County. Instead, it builds upon and complements the many existing local and regional water planning efforts by focusing on four key focal areas where new or additional regional collaboration can add value. These four key focal areas were established through a gaps analysis, which included a review of local and regional planning documents, along with initial stakeholder discussions encompassing a variety of perspectives. For each of the four key focal areas, the CWP describes shared desired outcomes, identified by Public Works through discussions with numerous groups and individuals. During our gaps analysis, Public Works evaluated disparities in water resilience throughout the County and specifically selected a focal area to address a pressing need. The CWP provides an approach for achieving these desired outcomes through collaboration and a platform for measuring progress.

CWP Four Key Focal Areas



REGIONAL WATER SUPPLY RELIABILITY

Improving regional water supply reliability by better leveraging our collective local and imported water resources and infrastructure.



GROUNDWATER MANAGEMENT AND QUALITY

Realizing our shared groundwater management opportunities by sharing expertise and resources to overcome challenges.



SMALL, AT-RISK SYSTEM RESILIENCE AND DRINKING WATER EQUITY

Ensuring a consistently high standard of water service for everyone in Los Angeles County by providing regional support for small systems, with focused attention to under-resourced communities.



WATERSHED SEDIMENT MANAGEMENT

Mitigating the impacts of wildfire on our water supplies through coordinated efforts between land and water managers.

REGIONAL STRATEGIES, REGIONAL BENEFITS

The CWP is organized around a framework of targets and strategies, which are supported by specific actions. Targets measure collective progress toward the shared desired outcomes for the key focal areas of the CWP. These targets are intended to help Los Angeles County achieve regional water resilience by 2045. See Chapter 2 for more on targets. Public Works will publish an interactive dashboard to track progress toward these targets. Strategies provide the overarching approaches to achieving the targets. Actions support the strategies and include specific steps to drive results, along with timing, responsible agencies, and potential participants.

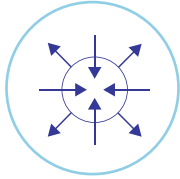
Strategies for a Resilient Water Future



STRATEGY 1
Achieving the most efficient water use possible countywide



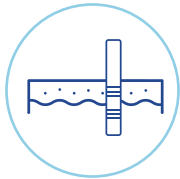
STRATEGY 2
Collaborating on consistent drought preparedness and response messaging



STRATEGY 3
Coupling local supply development with regional conveyance



STRATEGY 4
Managing salt and concentrate regionally



STRATEGY 5
Leveraging regional groundwater storage potential



STRATEGY 6
Collaborating on water quality needs and treatment technologies



STRATEGY 7
Enhancing cost-effectiveness of pumping and treating impaired groundwater



STRATEGY 8
Protecting coastal groundwater basins from seawater intrusion



STRATEGY 9
Facilitating regional groundwater recharge understanding and initiatives



STRATEGY 10
Facilitating natural infiltration of precipitation



STRATEGY 11
Providing regional support for small, at-risk water systems



STRATEGY 12
Mitigating wildfire effects on water supply and quality



STRATEGY 13
Managing invasive species in riparian areas



STRATEGY 14
Facilitating sediment management and debris removal from flood control facilities

VALUES GUIDING FUTURE ACTION

At the onset of CWP development, Public Works proactively reached out to a diverse group of stakeholders to understand what matters to them. We identified several broad, overarching values for the CWP through these conversations. Some of these values provided core tenets to our overall process for preparing the CWP. Others guided us in establishing targets, strategies, and actions. Other values, while not directly addressed through the actions in the CWP, will continue to inform how water resource management is approached to achieve sustainable and equitable outcomes. Each of these values will guide future iterations of the plan, as well as steps taken throughout CWP implementation.

These values are aligned with LA County's Anti-Racism, Diversity, and Inclusion (ARDI) Initiative, which aims to guide the County by offering training and capacity building; technical assistance and planning; policy analysis and development; data collection; analysis and reporting; community, tribal, and other stakeholder engagement; and equity-infused resourcing and programming to help reach its goals.

CWP VALUES

- Strive for equitable benefits and impacts of water resource management decisions
- Ensure inclusive, diverse, multigenerational, and sustained tribal and community engagement
- Use data to inform policies, priorities, and practices
- Encourage multi-benefit projects and green infrastructure
- Promote capacity building of a local, skilled workforce
- Incorporate tribal knowledge into water management
- Integrate the knowledge and experiences of local communities in water planning
- Ensure CWP is actionable and adaptable
- Address climate resiliency
- Establish clear communications (outline priorities, listen, incorporate feedback, maintain dialogue)
- Implement vegetated/nature-based solutions



The CWP outlines a path to achieve a resilient water future for all Los Angeles County residents. Everyone has a role in successfully realizing the CWP. By working across County departments and with other partners, actively engaging Tribes and other stakeholders, seeking funding to support CWP implementation, and tracking and reporting on progress, we are committed to facilitating the ongoing collaboration that is core to making the CWP successful.

CENTRAL THEMES FOR A PATH AHEAD

To lead the way on regional initiatives, the CWP was developed with resilience, equity, sustainability, and engagement as central themes. These themes will guide CWP implementation and its future iterations to create reliable water resources for all communities in Los Angeles County.

RESILIENCE

Water resilience refers to the capacity of communities and the environment to adapt to changes in the availability of water resources resulting from extreme and shifting weather patterns, as well as other stressors.

EQUITY

Water equity entails ensuring that all people and communities can depend on water management institutions and infrastructure to provide equal access to clean, safe, high-quality, and affordable water.

SUSTAINABILITY

Sustainable water management involves using water resources in a manner that fulfills current ecological, social, and economic needs without compromising the ability to meet those needs in the future.

ENGAGEMENT

Engagement means actively reaching out to and collaborating with a diverse and representative range of stakeholders to develop and implement water management policies and programs.

A FORWARD-LOOKING LIVING DOCUMENT

THE CWP IS A LIVING DOCUMENT. This inaugural 2023 Edition of the CWP marks the first iteration for this regional planning effort and focuses on water supply resilience. As a living document, future iterations of the CWP are intended to evolve and adapt to meet Los Angeles County’s changing water resources needs.

WHAT IS IT? The CWP is a forward-looking strategic plan that crafts a vision for the region’s water resources management. The CWP articulates strategies to align efforts both small and large in order to launch Los Angeles County on a successful path towards water supply resilience.

WHO IS IT FOR? Water knows no city or county boundaries. The CWP is a plan for the County region as a whole, not a single locality or governing body. The CWP was developed to serve – collaboratively with local agencies and stakeholders – the people and communities of Los Angeles County.

THE CWP FILLS CURRENT GAPS TO ENHANCE THE REGION’S WATER RESILIENCE. Recognizing that there are so many ambitious efforts already underway in Los Angeles County, the CWP takes a bird’s-eye view on what else can be done to optimize, leverage, and align programs and processes. While the CWP does not attempt to reinvent the wheel or address every water-related issue, it complements existing efforts and fills in the gaps for matters not currently being addressed at a regional level. The CWP does not address activities best managed at the Federal, State, or local levels, nor does it recommend specific projects subject to environmental analysis or duplicate other ongoing efforts. As a strategic plan, the CWP does not supersede land use plans that have been adopted by the Board of Supervisors.

LA COUNTY
WATER PLAN

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CHAPTER 1

ACHIEVING REGIONAL WATER RESILIENCE THROUGH COLLABORATION

The Los Angeles County Water Plan (CWP) focuses on achieving countywide water resilience through collaborative strategies. Over 200 agencies manage a complex network of water systems to meet the needs of our communities and environment. Cross-sector teamwork and a holistic approach to best leverage natural and engineered systems are essential to achieve safe, clean, and reliable water resources for the present and future generations of Los Angeles County. This chapter provides the vision for the CWP, along with an overview of the CWP development process and outcomes.

VISION

The CWP articulates a shared, inclusive, regional path forward to sustainably and equitably achieve safe, clean, and reliable water resources for Los Angeles County.

While the opportunities for more effective water management are great, water resources in Los Angeles County are becoming increasingly stressed. Climate change is establishing a “new normal” of more frequent and intense droughts, coupled with less frequent but more torrential rains. Groundwater basin levels are declining, and some of our most under-resourced communities do not have equitable access to consistently reliable, high-quality drinking water. California wildfires, sometimes fueled by invasive species, can impact water supplies and water quality. At the same time, water management in Los Angeles County is already rapidly evolving to address many of the region’s most pressing water issues. **Water agencies throughout Los Angeles County are working to solve these challenges. Regional programs that capture stormwater or produce recycled water are contributing significantly to the region’s objectives. Recognizing the value in working together, these agencies are eager to collaborate with each other, Tribes, and other stakeholders to develop integrated programs and projects that provide innovative solutions to complex problems.**

In 2016, in the face of a new climate reality and recognizing the need to be thoughtful stewards of water supplies, the Los Angeles County Board of Supervisors called for the articulation of specific actions to secure Los Angeles County’s water future. Public Works—as a regional entity with integrated interests—is well-positioned to facilitate countywide coordination to enhance water resilience, building upon the cross-sector collaboration from the OurCounty Sustainability Plan. Working together with water resources organizations and a diverse array of stakeholders in Los Angeles County, we developed this CWP to achieve our collective vision of equitable and sustainable water resources for everyone.



Castaic Lake: Clean water and healthy watersheds are vital resources to Los Angeles County residents



All residents of Los Angeles County, present and future generations, deserve safe, clean, and reliable water resources

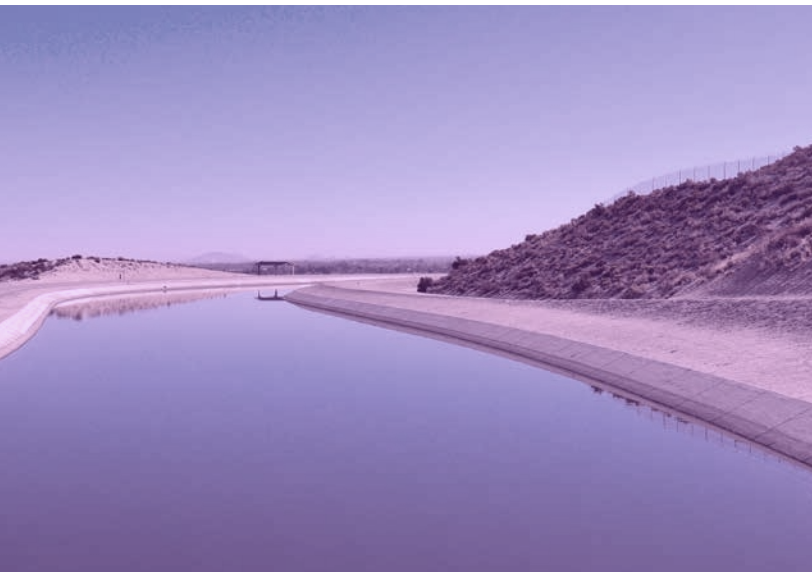
ESTABLISHING FOCAL AREAS

Since water resilience is of shared interest across agencies and communities, planning for our future water resources is a shared responsibility. Working together with water resource managers and diverse stakeholders in Los Angeles County, we developed the CWP to complement and support existing local and regional plans, programs, and projects. As a result, this initial edition of the CWP focuses on making progress within four key areas where additional collaboration would be most beneficial. Since the CWP is a living document, future iterations may focus on additional or different issues as water resource planning needs in Los Angeles County continue to evolve.

Key water management areas supported by the CWP but more explicitly addressed within other ongoing efforts include:

- **Stormwater management:** Developing and implementing stormwater capture projects that improve water quality, increase water supply, and enhance communities is the focus of the Safe, Clean Water Program - which provides funding for both regional and local concepts.
- **Regional recycled water programs:** There are several large-scale partnership programs underway (such as the Metropolitan Water District of Southern California's and Los Angeles County Sanitation District's Pure Water Southern California Program) that will maximize recycled water production for use to offset imported water.
- **Groundwater basin projects:** There are a variety of projects within individual basins across the County to enhance recharge and increase production through enhanced treatment (such as the Los Angeles Department of Water and Power's San Fernando Groundwater Basin Remediation Program).
- **Integrated flood management:** In addition to local drainage and regional flood control plans and operational policies, there are several integrated planning efforts with concepts that will maintain flood control while introducing additional benefits (e.g., LA River Master Plan).
- **Land stewardship:** Understanding the importance of the nexus between water and land management, the CWP recognizes the network of ongoing urban land use, forest, and watershed stewardship efforts conducted by planning agencies and entities throughout Los Angeles County.

REGIONAL WATER SUPPLY RELIABILITY



To address climate change impacts on future water supply reliability, managers should take a regional and integrated view of the existing networks of natural and engineered system that are available to convey supplies across Los Angeles County. Thinking beyond singular facility function and jurisdictional boundaries will allow the region to better leverage collective local and imported water resources, infrastructure, and relationships to improve regional water supply reliability.

GROUNDWATER MANAGEMENT AND QUALITY



Given that nearly all of Los Angeles County's groundwater basins are managed through adjudication agreements, information sharing is often separated by basin which can limit opportunities for collaboration. Facilitating regional discussions that leverage collective expertise and resources can benefit Los Angeles County as a whole, but especially areas with under-resourced communities, by working together to address shared challenges across groundwater basins.

SMALL, AT-RISK SYSTEM RESILIENCE AND DRINKING WATER EQUITY



Small water systems play a key role in providing water supply to communities in Los Angeles County, but some small systems are particularly at risk due to a variety of circumstances including aging or inadequate infrastructure and lack of funding, especially within under-resourced communities. Regional support for small systems can ensure that a consistently high standard of service is achieved and maintained throughout Los Angeles County.

WATERSHED SEDIMENT MANAGEMENT



The increase in frequency and intensity of wildfires within Los Angeles County has both direct and indirect impacts on water infrastructure, water supply, quality, and infrastructure. Land and water managers, together, can mitigate wildfire potential and manage the impacts from post-fire rainfall events to improve the resilience of our water supply and infrastructure.

CWP STRUCTURE

The CWP is organized around regional targets for water resilience, along with strategies and actions to support progress on these targets. The targets, strategies, and actions and their respective roles in addressing the CWP’s focal areas are defined below.

Targets:

Targets provide a quantitative representation of shared desired outcomes for regional water resilience across Los Angeles County by 2045. Targets are intended to be met through CWP strategies and actions along with other local and regional efforts. These targets provide a metric to measure and track progress implementing the CWP. A detailed discussion of target development and analysis can be found in Appendix B.

Strategies:

Fourteen overarching strategies provide regional, collaborative approaches to achieving the targets. The strategies can be implemented through the CWP directly or indirectly through acknowledgement or support of other programs and planning efforts that have a shared purpose. More information on related planning efforts is available in Appendix C.

Actions:

Actions include specific steps that can be carried out, through an ongoing CWP implementation process, to support the strategies. As many of the larger actions may require several interim steps to be completed, the CWP contains a two-year Action Plan (Appendix A). The Action Plan provides further specificity for potential next steps that can be used to advance the discussion of implementation and corresponding resources.

Equation for a Resilient Water Future

CWP Strategies & Actions + Other Local and Regional Efforts = CWP Targets

VALUES GUIDING FUTURE ACTION

At the onset of CWP development, Public Works proactively engaged a diverse group of stakeholders to understand what matters to them. We identified several broad, overarching values for the CWP through these conversations. Some of these values provided core tenets to our overall process for preparing the CWP. Others guided us in establishing the targets, strategies, and actions. Other values, while not directly addressed through the actions in the CWP, will continue to inform how the CWP is implemented.

Although these values are not explicitly referenced within every target, strategy, and action, they are fundamental to the plan as a whole and will continue to guide future iterations of the plan, as well as steps taken throughout CWP implementation.

These values are aligned with LA County’s Anti-Racism, Diversity, and Inclusion (ARDI) Initiative, which aims to guide the County by offering training and capacity building; technical assistance and planning; policy analysis and development; data collection, analysis and reporting; community, tribal, and other stakeholder engagement; and equity-infused resourcing and programming to help reach its goals.



CWP VALUES
Strive for equitable benefits and impacts of water resource management decisions
Ensure inclusive, diverse, multigenerational, and sustained tribal and community engagement
Use data to inform policies, priorities, and practices
Encourage multi-benefit projects and green infrastructure
Promote capacity building of a local, skilled workforce
Incorporate tribal knowledge into water management
Integrate the knowledge and experiences of local communities in water planning
Ensure CWP is actionable and adaptable
Address climate resiliency
Establish clear communications (outline priorities, listen, incorporate feedback, maintain dialogue)
Implement vegetated/nature-based solutions

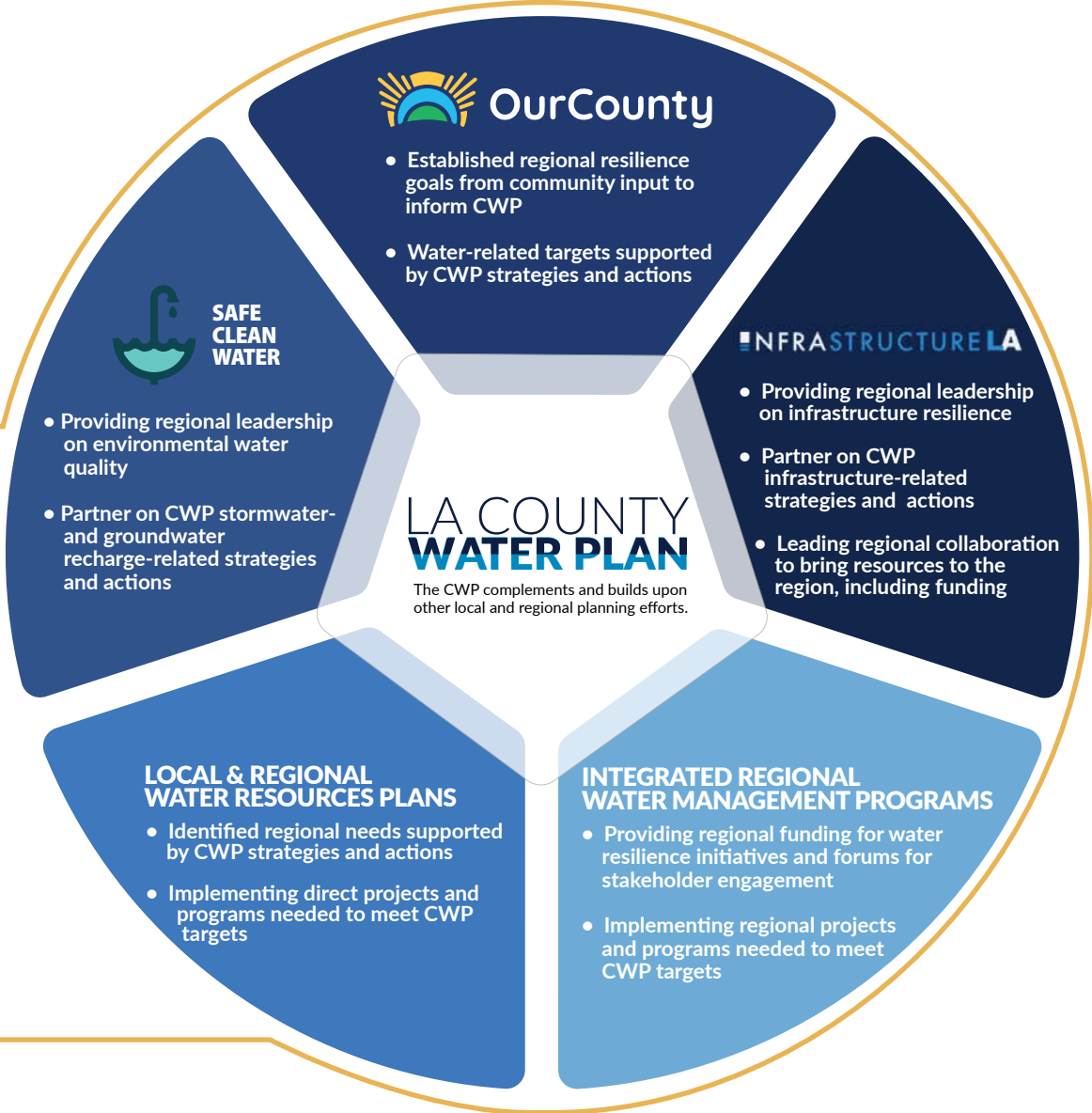
WORKING TOGETHER TO DEVELOP THE CWP

Building on the foundation of the OurCounty Sustainability Plan, the CWP was developed through a series of dialogues with nearly 100 water management agency representatives, Tribes, non-governmental organizations, local governments, and other stakeholders. After first defining the collective needs and desired outcomes for our region’s water resilience, stakeholders progressed from development of targets, to strategies, and finally, to a specific, implementable two-year Action Plan. The CWP was subject to an extensive public review process which helped shape this final document. Details on the meetings and workshops that supported CWP development are provided in Appendix D.

Identifying priorities

Prior to beginning CWP development, a gaps analysis was performed to understand which water resource needs in Los Angeles County are not currently addressed in other planning initiatives. This initial step included a review of regulatory, local, and regional planning documents (much of which was conducted on a watershed scale), and State and Federal legislation. To better understand regional priorities, initial discussions were held with stakeholders representing various perspectives. This gaps analysis provided diverse viewpoints on water management challenges, initiatives, local planning efforts, and participation in the development of the CWP from entities throughout Los Angeles County, including the Santa Clarita Valley, Antelope Valley, and Greater Los Angeles area.

Previous work done through the Integrated Regional Water Management (IRWM) process informed much of the discussion including an understanding of existing local efforts that support equitable and sustainable water resources. The gaps analysis also considered input received during the OurCounty and the Safe, Clean Water Program initiatives. Significant recycled water programs are being spearheaded by agencies including the City of Los Angeles, Metropolitan Water District of Southern California, Los Angeles County Sanitation Districts, Las Virgenes Municipal Water District, and Santa Clarita Valley Water Agency. We will be building off the work they are doing to further regional collaboration that has already begun through these programs.



Establishing targets, strategies, and actions

Targets, strategies, and actions were developed through an iterative process, with multiple groups contributing ideas and building upon concepts identified by one another through a series of 45 workshops and listening sessions. Facilitated dialogue in workshop-style settings enabled content to be developed through discussion with stakeholders across multiple sectors. The CWP benefited from broad input across interests and geographies by partnering with the three IRWM regions in Los Angeles County and using their meetings to workshop ideas and concepts. Feedback received through other regional efforts, such as the Safe, Clean Water Program and OurCounty Sustainability Plan, also informed the CWP development. In addition to the workshops, many meetings were held with Tribes, environmental and environmental justice organizations, water management entities, local governments, and other stakeholders across Los Angeles County. The workshops and other meetings helped to develop targets, identify regional strategies, and create a realistic action plan. The workshops and other meetings also provided opportunities for stakeholders to express their interest in participating in CWP implementation.



CHAPTER 2 TARGETS FOR A RESILIENT WATER FUTURE

CWP targets reflect shared desired outcomes for regional water resilience across Los Angeles County by 2045. Meeting these targets relies on successful implementation of both local and regional efforts, projects, and programs, including many efforts led outside of the CWP. Guided by implementable two-year action plans, CWP strategies and actions will support progress in achieving the targets. The targets were developed to enable future progress tracking that leverages existing and easily reportable data sources in addition to any new information on benefits provided by stakeholder projects.

Targets that were meaningful and measurable were identified through the CWP planning effort. The resulting targets within each of the four focal areas are presented in this chapter with corresponding metrics and background context. Further details as to how each individual target was developed and how it will be tracked are included in Appendix B.

When stakeholders were asked their desired outcomes for future water resilience, some examples they gave were:

- “Equity, affordability and resilience”
- “Ability to withstand droughts”
- “Better connectivity between isolated systems”
- “Reduce fire-related damage”
- “Understanding of opportunities for partnerships”
- “Regional forum to discuss common concerns, issues, opportunities”

MEANINGFUL TO REFLECT DESIRED OUTCOMES

Within each of the focal areas, we asked the question “What are our desired outcomes for future water resilience?” Targets were formed to provide a meaningful yet quantifiable expression of those strongly- and commonly-held desired outcomes. Targets are intended to be countywide or regional.

As an example, targets developed for the Regional Water Supply Reliability focal area reflect more than the desire to fully leverage local supply potential across Los Angeles County. They were also selected to provide regional consistency in how we address water use efficiency, drought, and emergency response.

Targets reflect desired outcomes in each of the four CWP focal areas



REGIONAL WATER
SUPPLY RELIABILITY



GROUNDWATER
MANAGEMENT
AND QUALITY



SMALL, AT-RISK SYSTEM
RESILIENCE AND
DRINKING WATER EQUITY



WATERSHED SEDIMENT
MANAGEMENT

MEASURABLE FOR FUTURE TRACKING

To ensure that progress in achieving CWP targets was trackable, a numeric element was added to each target concept. The numeric element was developed by first defining the current (or baseline) conditions and building upon the baseline to set an achievable goal by 2045. Sources and methods for acquiring data that can be used to track measurable progress toward that number were also considered. As an example, the targets created for the Groundwater Management and Quality focal area establish volumetric goals for both groundwater production and recharge that build upon current baseline levels. These targets were specifically selected to leverage data and information regularly reported through adjudication and/or other management frameworks.

How target can be quantified	How data will be collected	How target will be tracked	How data will be processed
TYPE	DATA SOURCE	METRIC	CALCULATION

We used a four-step process to develop both meaningful and measurable targets. Further details are provided in Appendix B.



REGIONAL WATER SUPPLY RELIABILITY TARGETS

- A

Achieve 100% compliance with State Urban Water Use Objectives

Metric: Percent of suppliers that are meeting their State Urban Water Use Objective
- B

Increase local supply sources by 580,000 AFY

Metric: Total water supply that is sourced within Los Angeles County
- C

Meet 100% of water demands even in times of drought

Metric: Percent of water agencies that do not require Water Shortage Contingency Plans be implemented higher than Level 1
- D

Maximize ability to meet health and safety needs following an emergency by maintaining access to six months of emergency supply

Metric: Percent of water agencies that have access to six months of water supply for an emergency

Providing reliable water supplies in drought conditions is an increasing challenge across Los Angeles County. The CWP defines water supply reliability as the ability to meet current and future needs 100% of the time, including during emergencies. The CWP targets indicate the desire for increases in water conservation and efficiency as well as the further development of local supplies to improve resilience in the face of both longer-term droughts as well as near-term emergencies.

The targets reflect an alignment with the upcoming State Water Use Objectives, which are being developed by the State Water Resources Control Board (SWRCB) and will be released after this initial iteration of the CWP. Although imported water will play a vital role in Los Angeles County in the foreseeable future, increasing local sources of water promotes water supply diversity, autonomy, and reliability as well as long-term drought resilience. In addition, water use efficiency and local supplies provide environmental benefits by reducing energy consumption and improving local water quality as well as increasing local workforce. Near-term emergency resilience is equally important and greatly enhanced by maintaining sufficient levels of locally-developed and stored supplies throughout the County.



GROUNDWATER MANAGEMENT AND QUALITY TARGETS

- E

Optimize production of groundwater by maintaining at least 700,000 AFY baseline groundwater production

Metric: Average annual countywide AFY of groundwater production
- F

Optimize production of groundwater by increasing production in areas overlying impaired groundwater by 18,000 AFY

Metric: Average annual production from new treatment projects, wells brought back online, and new wells (AFY)
- G

Increase groundwater recharge and storage by enhancing regional facility recharge by 250,000 AFY

Metric: Average annual countywide AFY of groundwater recharge at existing and future facilities/spreading grounds
- H

Increase groundwater recharge and storage by increasing decentralized infiltration by 80,000 AFY

Metric: Average annual countywide AFY of groundwater recharge outside of existing and future facilities/spreading grounds

Groundwater basins provide a critical source of local supply along with seasonal and annual storage that can be accessed during drought conditions. The ability to fully maximize groundwater basin potential for both supply and storage can be constrained by water quality regulations, sea level rise, poor water quality, and regulated remediation zones. While groundwater basins are managed in isolation of each other, these shared constraints can benefit from shared solutions. Unused local, impaired (or “stranded”) groundwater is poorer quality water that would require additional relatively cost-ineffective treatment and/or conveyance for beneficial use. Being able to further tap into and use localized areas of impaired groundwater would enhance regional resilience. Additionally, leveraging combined groundwater storage potential through enhanced groundwater recharge of local and imported water would improve local emergency, seasonal, annual, and long-term supply reliability.



SMALL, AT-RISK SYSTEM RESILIENCE AND DRINKING WATER EQUITY TARGETS

I Reduce at-risk systems by 100%

Metric: Number of water systems classified as in the categories of failing, at-risk, or potentially at-risk

J 100% of water agencies, including those in severely disadvantaged communities, have affordable cost of water to meet health and safety needs

Metric: Percent of water agencies where the cost of water for health and safety (6,000 gallons) does not exceed 2.5% median household income of severely disadvantaged communities

K Reduce color, taste, and odor drinking water quality issues by 50%

Metric: Number of customer complaints per 1,000 connections about color, taste, and/or odor

L Maximize ability to meet health and safety needs following an emergency by confirming 100% of small community water systems have access to alternative sources of supply

Metric: Percent of small community water systems that have access to at least one other secondary water supply

With over 200 water supply entities in Los Angeles County of various sizes and supply portfolios, not all systems are able to provide consistently high quality, reliable drinking water to their customers. Many small and at-risk systems provide water to under-resourced communities and have limited resources and revenue potential to address water quality and quantity needs. While recognizing the differing costs of water by source, these targets aim for improvement in the availability and affordability of water supply across Los Angeles County. Although maximum contaminant levels are seldom exceeded for primary regulated constituents, there are several areas that regularly experience color, odor, and taste issues. Customer satisfaction is a fundamental part of equitable water delivery and every resident in Los Angeles County should have access to high quality, clean water for drinking, bathing, and other household uses. Additionally, many smaller, at-risk systems have only one source of supply and have no real options if that source becomes impaired or is interrupted during an emergency. For these systems an intertie or connection to alternative sources of supply is essential.



WATERSHED SEDIMENT MANAGEMENT TARGETS

M Reduce fire-contributing species in riparian areas by 2,900 acres

Metric: Acres of riparian areas that have undergone at least one invasive species removal program

N Reduce human-caused ignitions by 50%

Metric: Count of fire ignitions in wildlands, rural, and the wildland-urban interface

O Maintain a minimum of 75% average available capacity in debris basins and 80% average available capacity in reservoirs

Metric: Percent of available capacity in debris basins and percent of available capacity in reservoirs

P Confirm 100% of water management agencies within the wildland-urban interface are implementing a wildfire resilience or mitigation plan

Metric: Percent of agencies that have implemented fire prevention measures and percent of agencies that have alternative or backup energy supply

Wildfire frequency, intensity, and rate of spread have increased within the wildland-urban interfaces in Los Angeles County. These events create direct impacts to local water resources through destruction or impairment of water supply and wastewater infrastructure, and indirect effects on surface water quality and watershed functionality. In addition, post-wildfire impacts such as erosion and debris flows on watersheds lands can create flood management emergencies as well as long-term reduction in debris basin functionality, reservoir storage, and groundwater recharge potential. Reducing wildfire ignition sources and fire-contributing species that exacerbate wildfire impact are key areas to target for enhanced resilience. Furthermore, the ability to effectively manage existing flood control debris basins and reservoirs to their highest potential is critical to protecting the environment and communities and to maximizing stormwater capture during precipitation events. Water management agencies within wildland-urban interfaces need to be prepared for wildfire events and have plans in place for them to mitigate wildfire damage, respond during wildfire events, and minimize post-wildfire impacts.



CHAPTER 3 STRATEGIES AND ACTIONS FOR A RESILIENT WATER FUTURE

Fourteen CWP strategies have been developed to capitalize on the opportunities identified for further regional collaboration to meet the shared CWP targets. Each strategy presented in this chapter is supported by a suite of detailed actions that will be facilitated throughout CWP implementation. The strategies and actions are aligned with the CWP values which include ensuring inclusive, diverse, multigenerational, and sustained tribal and community engagement, and ensuring the CWP is actionable and adaptable. A table showing the alignment between CWP targets and strategies is provided at the end of this chapter. Collectively, these strategies and actions will help to meet multiple targets both directly and indirectly by leveraging resources across Los Angeles County that support and complement existing local and regional water resilience efforts, projects, and programs. These complementary and supported planning efforts are acknowledged in Appendix C.

Many of these strategies and actions will take time to fully realize but will provide interim benefits along the way. By continually identifying and taking near-term steps, we will facilitate consistent progress on targets, strategies, and actions. A two-year Action Plan, which identifies the steps and resources needed to implement actions within the current two-year period is included as Appendix A.

Strategies for a Resilient Water Future



STRATEGY 1
Achieving the most efficient water use possible countywide



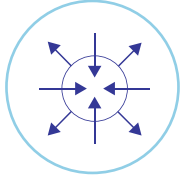
STRATEGY 8
Protecting coastal groundwater basins from seawater intrusion



STRATEGY 2
Collaborating on consistent drought preparedness and response messaging



STRATEGY 9
Facilitating regional groundwater recharge understanding and initiatives



STRATEGY 3
Coupling local supply development with regional conveyance



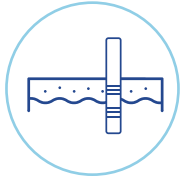
STRATEGY 10
Facilitating natural infiltration of precipitation



STRATEGY 4
Managing salt and concentrate regionally



STRATEGY 11
Providing regional support for small, at-risk water systems



STRATEGY 5
Leveraging regional groundwater storage potential



STRATEGY 12
Mitigating wildfire effects on water supply and quality



STRATEGY 6
Collaborating on water quality needs and treatment technologies



STRATEGY 13
Managing invasive species in riparian areas



STRATEGY 7
Enhancing cost-effectiveness of pumping and treating impaired groundwater production



STRATEGY 14
Facilitating sediment management and debris removal from flood control facilities



STRATEGY 1

Achieving the most efficient water use possible countywide

The State’s Urban Water Use Objectives (to be adopted by the SWRCB) are intended to establish a reasonable level of water use that will meet the unique demands within each of Los Angeles County’s over 200 urban water supplier service areas. The ability to achieve the new standards countywide would be greatly enhanced through regional collaboration that sets consistent expectations on water use efficiency throughout Los Angeles County, while accommodating the unique needs of diverse communities.

Actions to support this strategy

1.1 Facilitate universal access to Los Angeles Region Imagery Acquisition Consortium data sets to help urban water suppliers accurately estimate irrigable area and reasonable water use for their service area.

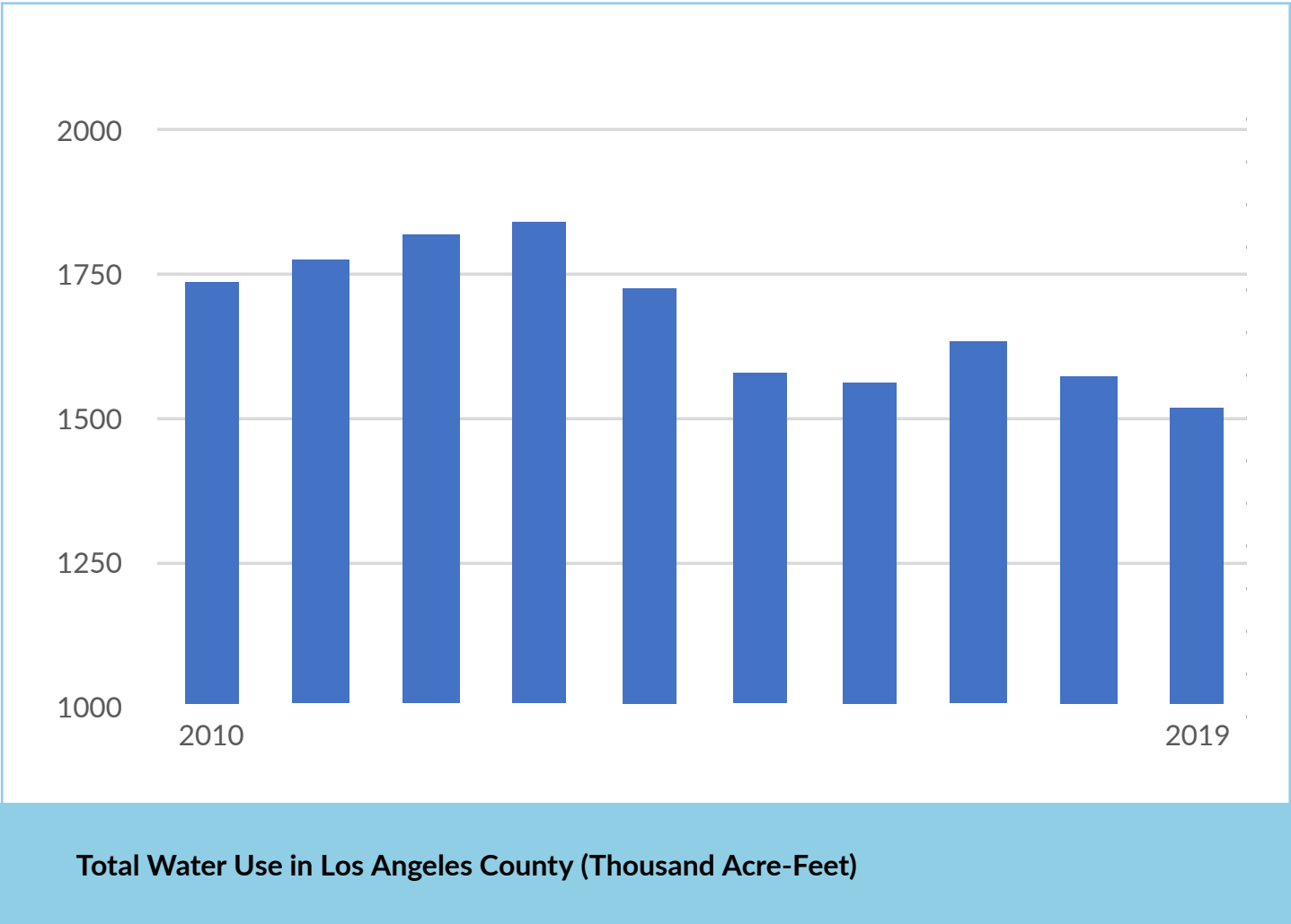
1.3 Provide access to Model Water Efficient Landscape Ordinance compliance training for all water suppliers in Los Angeles County.

1.2 Coordinate outdoor landscaping ordinances between cities, County, wholesalers, retail water agencies, and other local agencies (e.g., non-functional turf ordinances, Senate Bill 1383 mulch and composting, a trained workforce).

LA COUNTY
WATER PLAN
Target Link

Facilitating access to water use efficiency data and training as well as ordinance coordination will help meet the target to **achieve 100% compliance with State Urban Water Use Objectives.**

Why this strategy is needed



Los Angeles County has made significant strides in water use efficiency, reducing water use by approximately 13% since 2010 despite a 2% growth in population. Achieving the next level of efficiency to meet State objectives and improve resilience will require innovation and collaboration. In addition to improving water supply sustainability, using water efficiently also helps to improve water quality by reducing the amount of water that is conveyed and treated.



Collaborating on consistent drought preparedness and response messaging

Given that people often live, work, and travel within different areas of Los Angeles County, speak different languages, and come from different cultures, collaboration between water agencies on messaging drought declarations and specific actions that the public can take to respond is critical in effectively preparing for and responding to aridification.

Actions to support this strategy

2.1 Collaborate on countywide drought response messaging that calls out steps that all water users in Los Angeles County can take, while directing the public to find the specific measures their water supplier is taking to respond to the local drought.

2.2 Expand upon ongoing efforts to create consistent messaging on the development of drought-resilient supplies.

LA COUNTY WATER PLAN Target Link

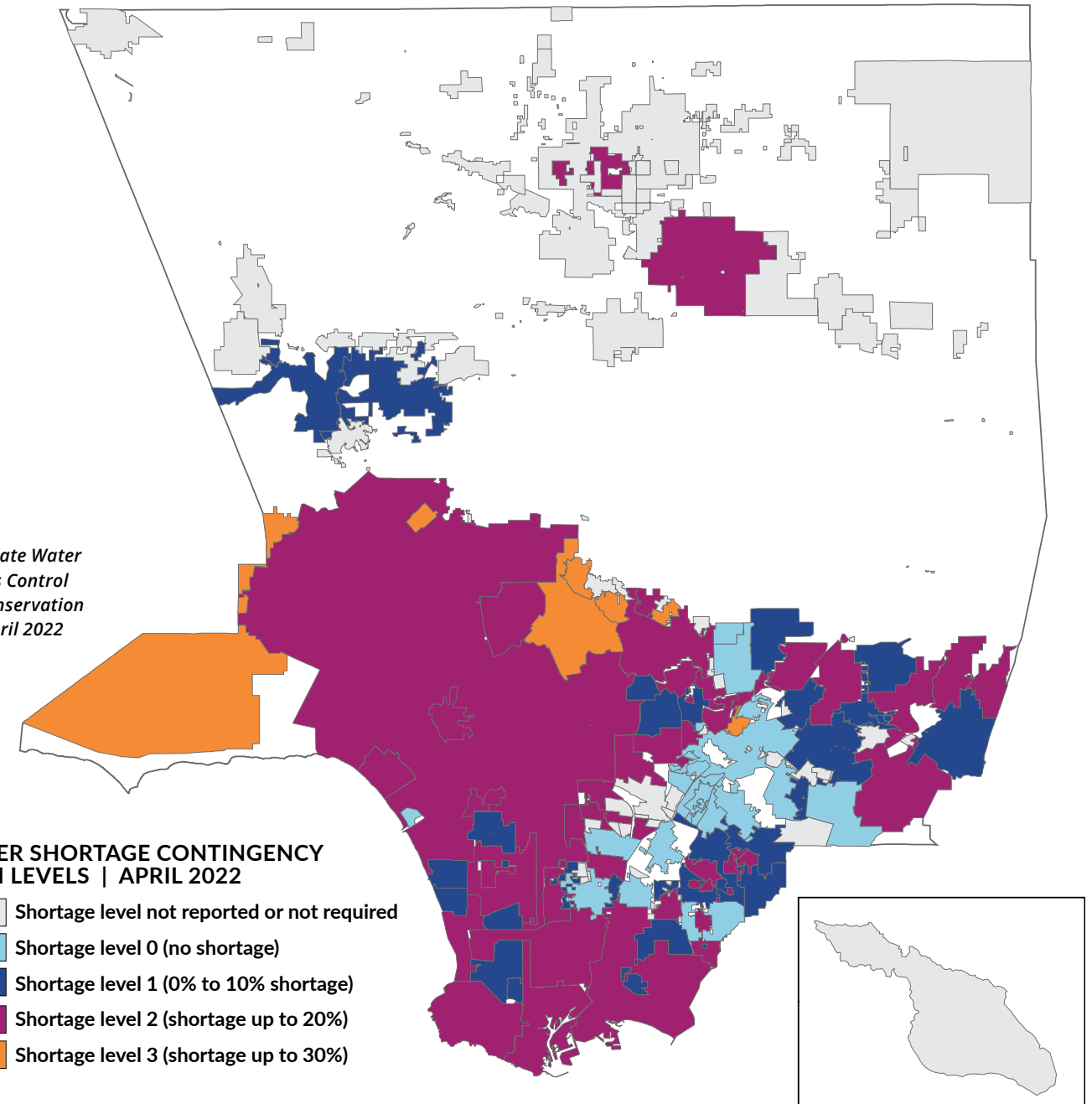
Improving regional drought messaging will help us collectively achieve our target to **meet 100% of water demands even in times of drought.**

Why this strategy is needed

Source: State Water Resources Control Board Conservation Portal, April 2022

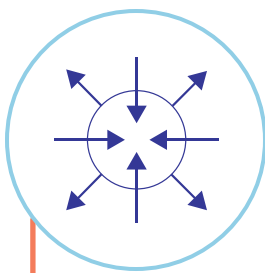
WATER SHORTAGE CONTINGENCY PLAN LEVELS | APRIL 2022

- Shortage level not reported or not required
- Shortage level 0 (no shortage)
- Shortage level 1 (0% to 10% shortage)
- Shortage level 2 (shortage up to 20%)
- Shortage level 3 (shortage up to 30%)



Variability in water supply conditions and shortage levels across the many water suppliers in Los Angeles County can create customer confusion and public messaging challenges.

Immediate public reduction in water use is the fastest way to respond to an existing drought; however, the opportunities to further reduce use in response to droughts becomes increasingly constrained as countywide normal water use efficiency continues to improve. Water supply agencies are finding it increasingly difficult to separate and elevate drought response messaging above regular messaging encouraging efficient water use as a way of life for Southern California. In addition, as shown in the above map, given the different water sources used by the over 200 water suppliers in Los Angeles County, there is often variability in drought conditions and associated public messaging that can create confusion for those living and working within different areas of the County.



STRATEGY 3

Coupling local supply development with regional conveyance

Partnerships between agencies on local supply development and regional conveyance can increase the overall volume of local supply that can be used countywide, increase overall cost-effectiveness, and increase the potential for outside funding. Viewing and using existing water infrastructure networks in Los Angeles County as interconnected systems can provide opportunities, where appropriate, to better connect sources of supply to demands and/or storage. Examples of these types of efforts include regional recycled water programs and the Safe, Clean Water Program. This will improve regional reliability while also ensuring sustainable groundwater levels for communities that rely on local groundwater resources.

Actions to support this strategy

3.1 Explore options to improve feasibility of beneficial reuse of recycled water within the Antelope Valley and Upper Santa Clara River areas of Los Angeles County.

3.2 Encourage the use of Los Angeles County Flood Control District facilities to convey water supplies across Los Angeles County while mitigating known issues.

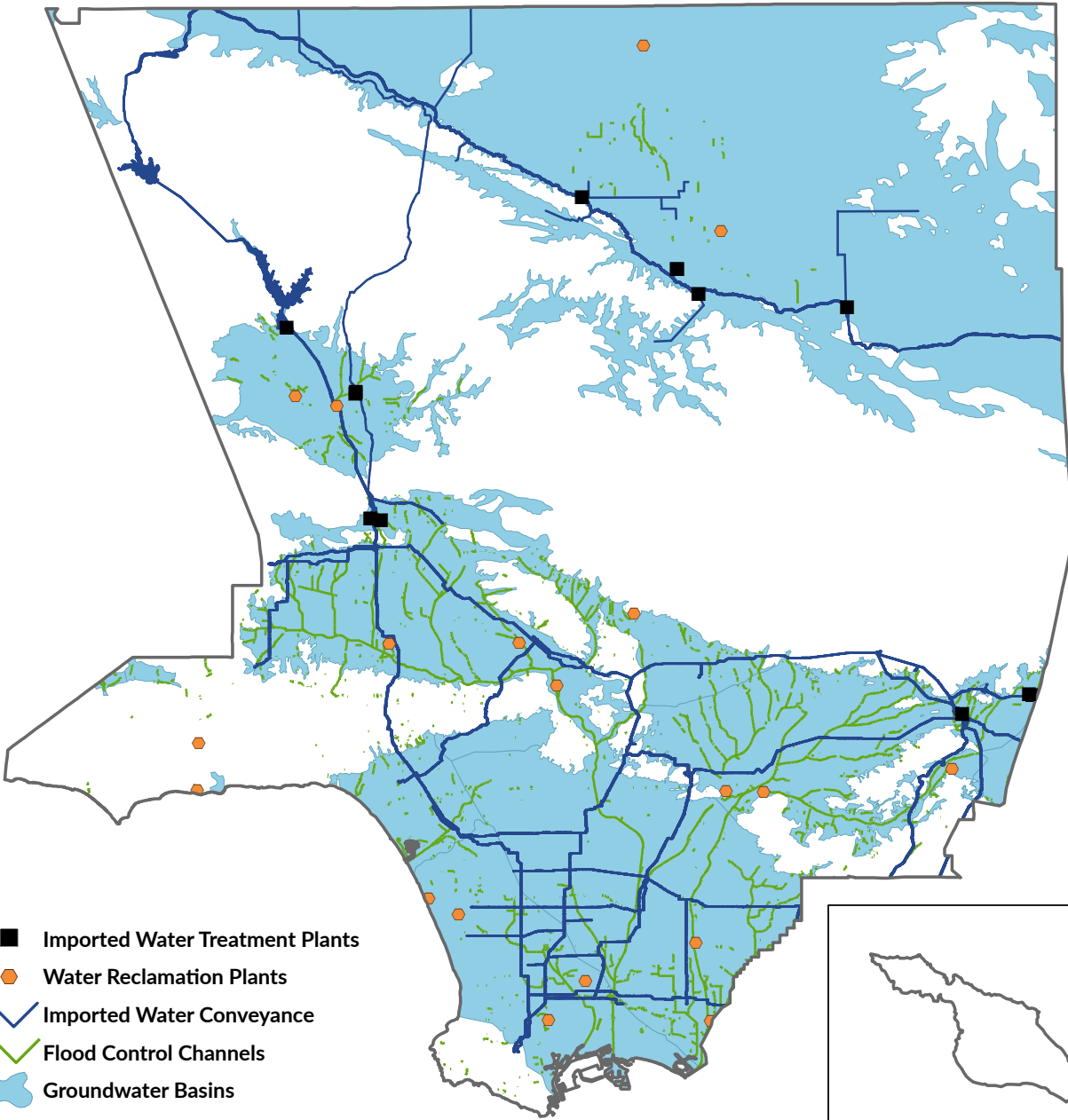
3.3 Promote use of smart technology (e.g., advanced metering infrastructure) to assess capacity and ability of wastewater systems to accept stormwater diversion flows in existing and planned infrastructure and to provide real-time controls and monitoring to more effectively conserve stormwater.

3.4 Promote use of both regional local supply development and distributed local supply development (e.g., cisterns, graywater systems in unsewered areas) and stormwater capture.

LA COUNTY WATER PLAN Target Link

Connecting local supplies to local needs can provide alternative water supplies in alignment with the CWP target to **maximize ability to meet health and safety needs following an emergency by confirming 100% of small water systems have access to alternative sources of supply.**

Why this strategy is needed



Los Angeles County has vast water infrastructure networks of conveyance and distribution systems, storage, and supply sources. Better connecting these networks can improve regional reliability.

The total amount of untapped local water supply potential in Los Angeles County is significant and could greatly reduce our dependence on imported water. Without economies of scale, stormwater and recycled water supply projects are often cost-prohibitive for individual water agencies to implement locally. While there has been great progress on advancing regional recycled water program concepts, there are further opportunities for collaboration on supporting local supply development for the benefit of the entire region through partnerships on regional conveyance and using existing infrastructure. Local supply development also offers opportunities for local projects that use our local workforce.



STRATEGY 4

Managing salt and concentrate regionally

Regional cooperation is necessary to manage salt levels in our watersheds and groundwater basins. Concentrate management planning should accompany future regional recycled water program development. Collaboration with regulators to develop feasible options for regional concentrate management would help to maximize recycled water use as well as improve basin water quality.

Actions to support this strategy

4.1 Explore alternatives to restrictions on high total dissolved solids discharges to sewer systems and variable salinity water courses (e.g., Ballona Creek or Dominguez Channel), including measures to allow for salt cleanup projects and recover treatment costs for unavoidable salinity discharges (e.g., a salt surcharge).

4.2 Explore development of regional conveyance for concentrates, including co-location of concentrate pipelines with regional recycled water conveyance pipelines, considering treatment, discharge permitting, and actual costs.

4.3 Collaborate across water supply, groundwater cleanup, and recycled water programs to work with regulatory agencies on concentrate management permitting and regulations, across all areas of Los Angeles County.

LA COUNTY
WATER PLAN
Target Link

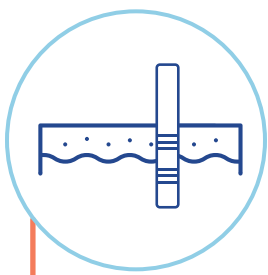
Managing salt on a regional level, which is being done through Salt and Nutrient Management Planning efforts, will increase our ability to maximize recycled water for regional use and support the target to **increase local supply sources by 580,000 AFY.**

Why this strategy is needed

Higher salinity levels in water is a result of industrial processing, groundwater cleanups, desalters, and purified water concentrate. Excessive salt limits a supply's beneficial use and can interfere with the operations of water and wastewater treatment plants. Concentrate, a byproduct of the advanced water treatment of groundwater and wastewater, is a commonly overlooked component of recycled water projects that can have significant ecological consequences and should be specifically considered for the planned expansion of regional recycled water programs in Los Angeles County.



Brine from treatment processes is discharged to local evaporation ponds where salt is concentrated for disposal.

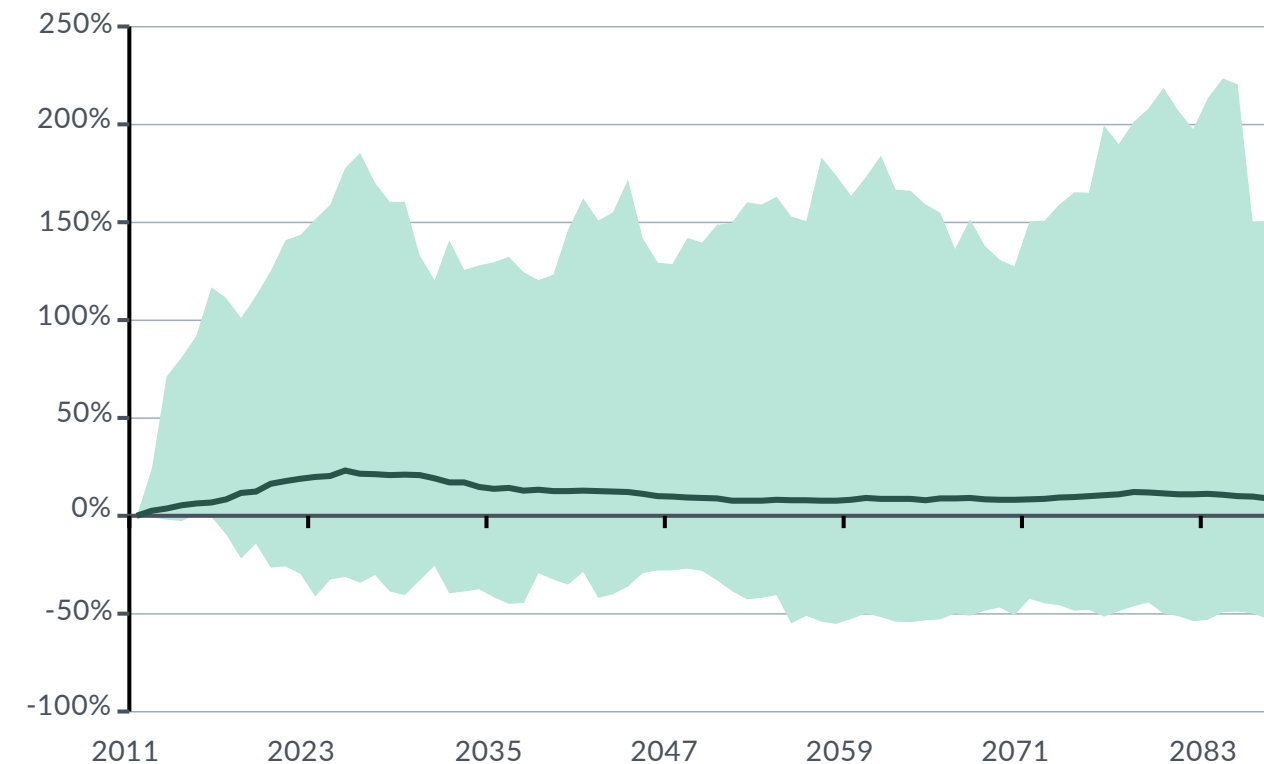


STRATEGY 5

Leveraging regional groundwater storage potential

Meeting all of Los Angeles County's water demands depends upon the use of groundwater basins that can provide water year-round, independent of the variability of precipitation events and surface flows. Since groundwater basins do not necessarily underly the communities with the greatest needs for dry year storage, identification of groundwater storage that can be accessed and delivered on a regional scale is necessary. Existing regional conveyance infrastructure (e.g., imported water) can be used as connections between groundwater basins that will allow for stored water to be conveyed across Los Angeles County.

Why this strategy is needed



LEGEND
Variation
Average

Source: United States Bureau of Reclamation Los Angeles Basin Study, November 2016

Variability in Average Annual Stormwater Runoff (% change)

Groundwater basin recharge and storage potential vary from basin to basin across Los Angeles County. Most climate change models predict a decrease in the frequency of precipitation events and snowpack storage, as well as increases in the intensity of local precipitation events. These changes will necessitate enhancements in the collective ability to quickly capture and store larger volumes of water for use over extended periods of time. Additionally, planned and future regional water recycling programs are expected to produce a consistently large volume of supply that will need to be stored in groundwater basins. Coordination on timing of stormwater and recycled water recharge at centralized groundwater recharge facilities will be critical.

Actions to support this strategy

5.1 Facilitate development of regional banking agreements that promote increased groundwater replenishment and production, as well as infrastructure interconnections and enhancements to improve access to regional storage across Los Angeles County.

5.3 Engage in regional discussion of shared local water rights concerns and basin adjudication-based exporting restrictions.

5.2 Expand regional Antelope Valley groundwater banking partnerships by assessing alternatives to mitigate capacity constraints of using imported water aqueducts that connect Antelope Valley to the Los Angeles Basin.

LA COUNTY WATER PLAN Target Link

Improving use of groundwater basins for storage supports the target to **maximize ability to meet health and safety needs following an emergency by maintaining access to 6 months of emergency supply.**



STRATEGY 6

Collaborating on water quality needs and treatment technologies

Improving the efficacy and cost-effectiveness of treating impaired water is a key strategy for enhancing the reliability of regional water supplies. As legacy pollutants and new constituents of concern are regulated, and water supply sources and systems become more integrated, new challenges and innovations in water quality treatment and management processes have emerged. Economies of scale and enhanced efficiencies can be achieved through technology sharing and regional collaboration.

Actions to support this strategy

6.1 Facilitate partnerships and information sharing between agencies within Los Angeles County to improve water treatment efficiency and cost through collaboration on piloting of and training for new technologies, working with drinking water regulators, sharing of information, lab sharing for emerging contaminant sample analysis (e.g., per- and polyfluoroalkyl substances (PFOS/PFOA)), public outreach, and leveraging of staff and funding resources. This action also supports Strategy 7.

6.2 Collaborate proactively with Regional Water Quality Control Board(s) to provide a consistent regional voice on National Pollutant Discharge Elimination System permitting and future water quality regulations.

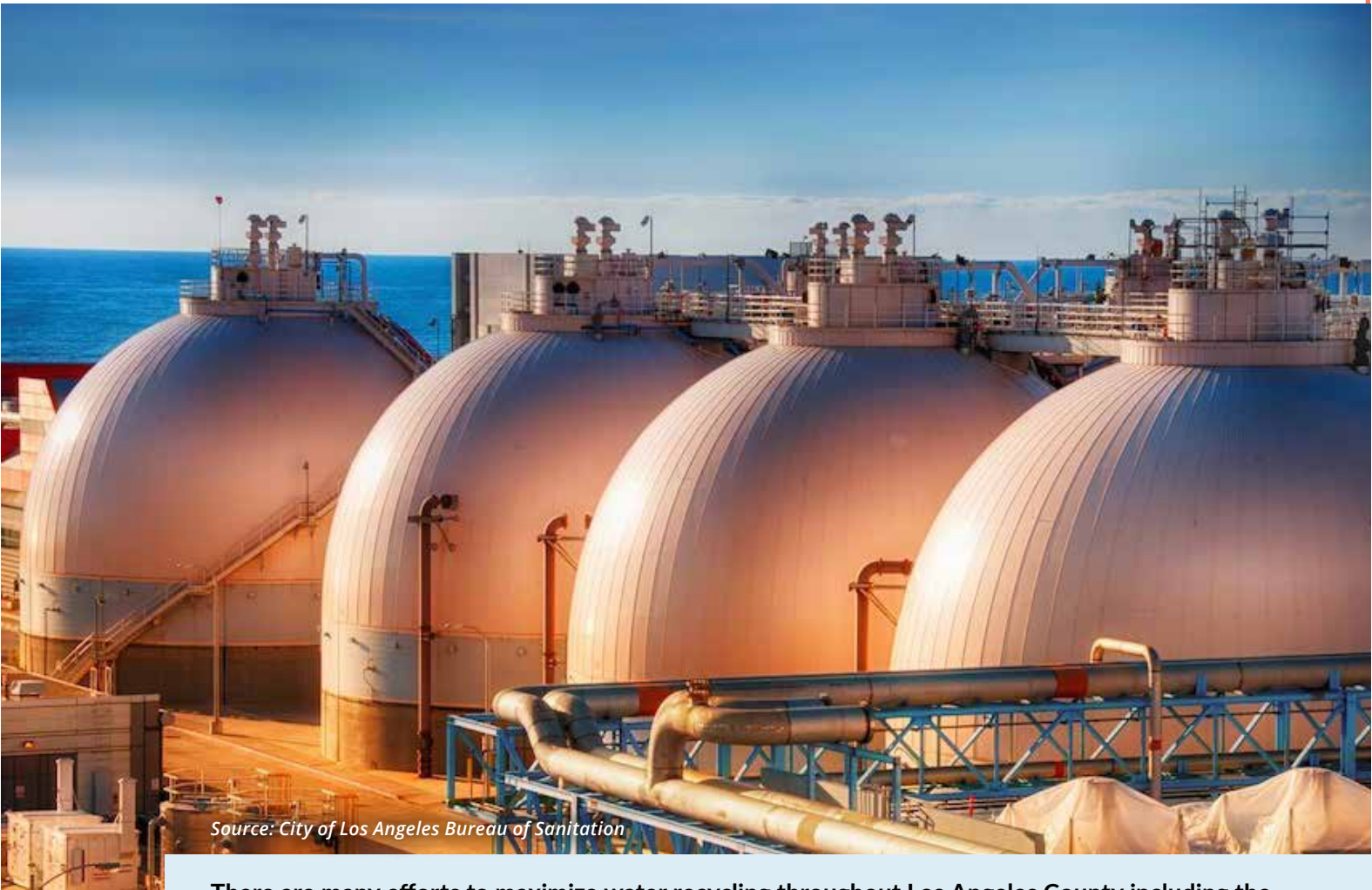
6.3 Advocate for State emerging contaminants source control policy and funding.

LA COUNTY WATER PLAN Target Link

Partnering on treatment initiatives and regulatory collaboration will decrease the overall costs to individual agencies and support the target **to improve drinking water equity and affordability so that the cost for water to meet health and safety needs does not exceed 2.5% of the median household income of severely disadvantaged communities.**

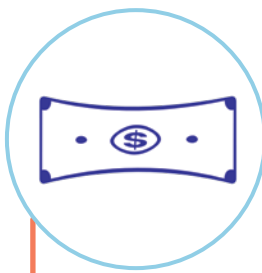
Why this strategy is needed

The cost of treating and testing water to meet water quality regulations for potable use is a significant portion of the overall water rate passed along to customers. In many areas within Los Angeles County, the treatment of locally generated, drought-resilient supplies, such as recycled water and groundwater, to a level of potable quality can drive the unit cost above imported water. This can create a disincentive to develop local supply when imported water is cheaper. Many new treatment technologies and projects are developed and permitted in isolation of each other, limiting the ability to leverage knowledge and resources. Information sharing will also improve local workforce knowledge.



Source: City of Los Angeles Bureau of Sanitation

There are many efforts to maximize water recycling throughout Los Angeles County including the City of Los Angeles' plan to maximize beneficial reuse of Hyperion Water Reclamation Plant flow.



STRATEGY 7

Enhancing cost-effectiveness of pumping and treating impaired groundwater

Improving production, cost-effectiveness, and accessibility to unused impaired groundwater supplies will allow for increased groundwater production and supply reliability for many communities across Los Angeles County. Regional collaboration on designating poor quality development zones could facilitate the development of production enhancement plans as well as find partnership implementation opportunities that can increase workforce training and funding.

Actions to support this strategy

7.1 Facilitate partnerships and information sharing between agencies within Los Angeles County to improve water treatment efficiency and cost through collaboration on piloting and training for new technologies, working with drinking water regulators, sharing of information, lab sharing for emerging contaminant sample analysis (e.g., PFAS/PFOA), public outreach, and leveraging of staff and funding resources. This action also supports Strategy 6.

7.2 Identify poor water quality development zones within all County groundwater basins that could be beneficially used and advocate for funding to create and implement production enhancement plans.

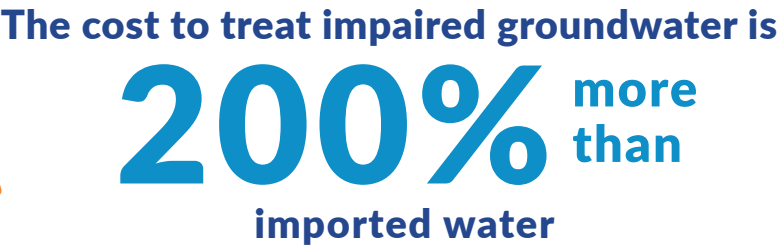
7.3 Explore opportunities to use existing remediation operations as a potential water supply source.

7.4 Facilitate partnerships on regional treatment funding and financing opportunities, prioritizing supply diversity, water quality, and resilience of small at-risk systems.

LA COUNTY
WATER PLAN
Target Link

By working together with existing remediation initiatives and regulators on poor water quality development zones, we can work toward our target to **optimize production of groundwater by increasing production in areas overlying impaired groundwater by 18,000 AFY.**

Why this strategy is needed



*Source: Groundwater Ambient Monitoring and Assessment Program (GAMA)

Stranded groundwater accounts for a significant amount of potential new supply throughout Los Angeles County but treatment of that groundwater can be expensive relative to importing water.

Local groundwater can be stranded (or unused) because it is often poorer quality water that requires more intensive and cost-ineffective treatment and/or conveyance to be useful as a source of supply. There are several areas in Los Angeles County where the ability to fully maximize groundwater basin potential for both supply and storage has been limited due to water quality issues from seawater intrusion, legacy contamination, increased operating costs for small systems, and impaired water plumes as well as changing water quality regulations and recharge project supplies. Additionally, greenhouse gas emissions could be reduced with future technologies that require less energy to pump or treat groundwater. Many of these groundwater basin areas underly small and at-risk systems that do not have the resources to develop and implement the necessary production enhancement plans to access that water supply.



STRATEGY 8

Protecting coastal groundwater basins from seawater intrusion

Groundwater basins located along Los Angeles County's coastline will need continued protection to limit the continued pressure of seawater intrusion from sea level rise that is predicted to result from climate change. Although existing barriers are solely owned and operated by the Los Angeles County Flood Control District, they benefit multiple agencies, Tribes, communities, and other stakeholders throughout Los Angeles County. As such, the ability to maintain and possibly further enhance protections and groundwater supply could benefit from regional collaboration.

Why this strategy is needed



In coastal aquifers, seawater can move into freshwater aquifers and contaminate potable groundwater supplies if groundwater levels have decreased relative to sea level. Maintaining and optimizing our seawater barriers to prevent seawater intrusion is increasingly important as the sea level rises.

Some coastal groundwater basins in Los Angeles County are protected from seawater intrusion by rows of injection wells that pump freshwater in groundwater basins near the coast to form a barrier that pushes seawater away from the groundwater basin while enhancing groundwater supplies. Without these barriers, saltwater could infiltrate coastal aquifers and contaminate groundwater supplies. In addition to more intense and less frequent storm events and more frequent and more intense droughts, climate change models are also predicting sea level rise. Seawater barrier facilities and operations will need to continue to adapt to meet the challenges of climate change and the need to fully leverage groundwater basin recharge and storage.

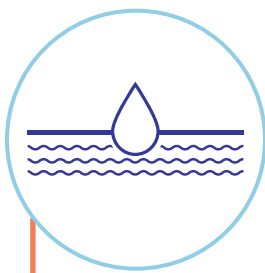
Actions to support this strategy

8.1 Determine vulnerability of barrier programs to seawater intrusion as a result of future sea level rise and evaluate opportunities to optimize barrier system operations.

8.2 Explore partnership opportunities to create further investments and increase recharge potential at barriers to enhance protection and increase groundwater supply.

LA COUNTY WATER PLAN Target Link

Protecting our coastal groundwater basins from future sea water intrusion is critical to meeting the target to **optimize production of groundwater by maintaining at least 700,000 AFY baseline groundwater production.**



STRATEGY 9

Facilitating regional groundwater recharge understanding and initiatives

Groundwater basins in Los Angeles County are managed locally and independent of each other. Collaborating to improve understanding of inter-basin flows and manage groundwater basins from a regional perspective while addressing mutual challenges will assist in maximizing groundwater supply and storage potential.

Why this strategy is needed

Although Los Angeles County is home to numerous regional groundwater recharge facilities and programs, there is a significant amount of uncaptured stormwater, recycled water, and wet year imported water that is not yet recharged into local groundwater basins. The ability to increase centralized groundwater recharge beyond current operations can be limited due to shared concerns such as retaining recharge water within local groundwater basins, regulatory issues around potential impacts to groundwater remediation operations, and the maintenance activities at spreading ground facilities to maximize recharge potential.

Actions to support this strategy

9.1 Facilitate collaboration between groundwater basins within Los Angeles County to share information, resolve common impediments, and provide consistent guidance that will facilitate increased potential for groundwater recharge and accounting of anticipated and realized benefits provided.

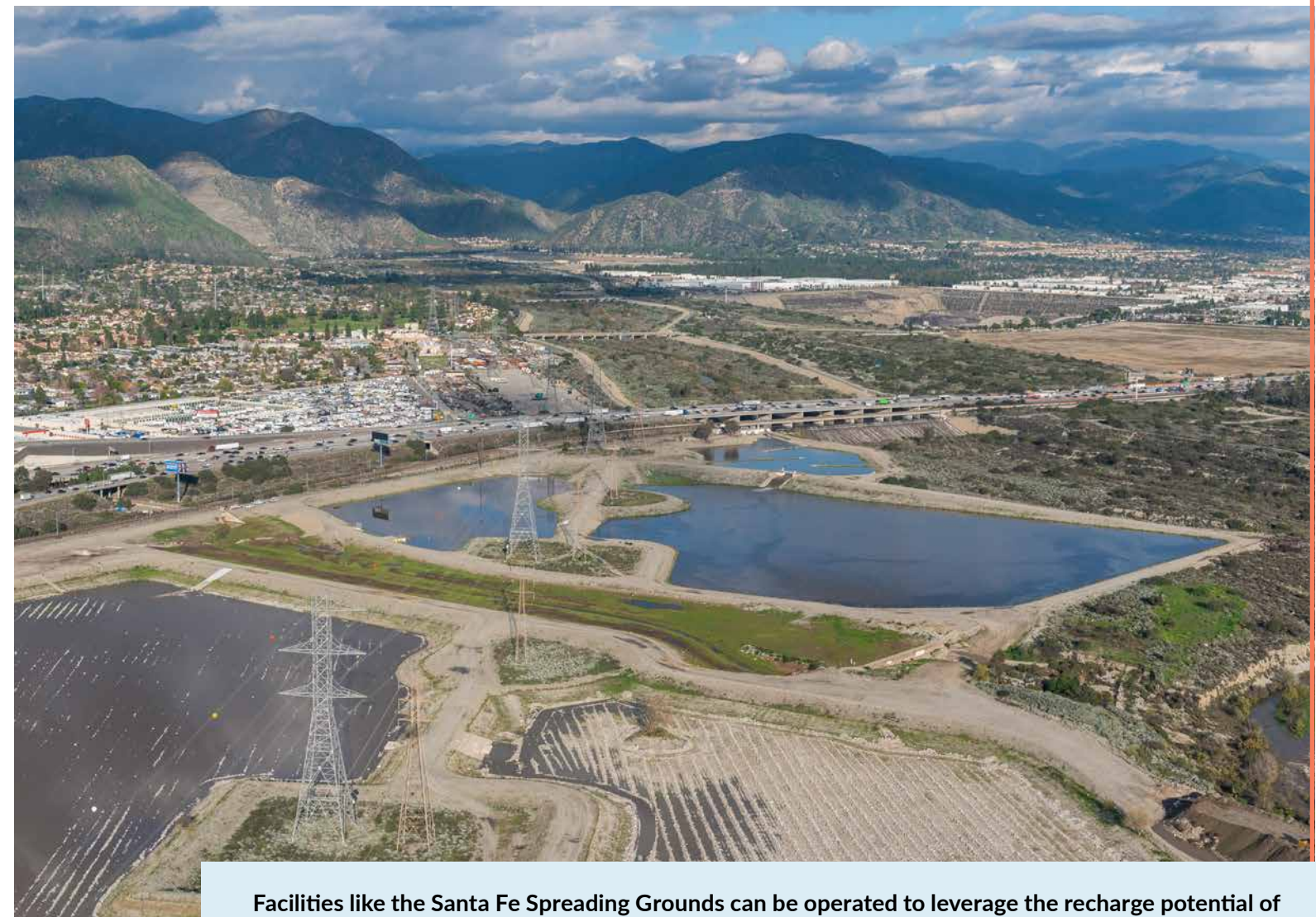
9.2 Create a consolidated groundwater basin data platform that highlights geohydrologic interconnections and flows with an information sharing system for use to develop regional storage and groundwater management partnerships.

9.3 Work collaboratively with regulatory agencies to most effectively advance permitting processes and facilitate further enhancement of groundwater recharge potential.

9.4 Acknowledge Los Angeles County Flood Control District's Sediment Management Strategic Plan to maximize recharge facility capture and infiltration rates and efforts to remove invasive species to improve groundwater recharge.

LA COUNTY WATER PLAN Target Link

Collaboration between Los Angeles County's groundwater basin managers can improve overall understanding of interconnectivity and opportunities for regional initiatives that help meet the CWP target to **increase groundwater recharge and storage by enhancing regional facility recharge by 250,000 AFY.**



Facilities like the Santa Fe Spreading Grounds can be operated to leverage the recharge potential of local surface and recycled water supplies as well as additional imported water when available.



STRATEGY 10

Facilitating natural infiltration of precipitation

Collectively, local stormwater efforts can work to increase the overall permeability of County lands, create nature-based recharge opportunities, and potentially allow for local supply development while providing multiple benefits such as improving environmental water quality, ensuring adequate water supplies to ecosystems, and providing greening and recreational opportunities. Certain programmatic initiatives to increase decentralized stormwater recharge are managed locally and through the Los Angeles County Flood Control District's Safe, Clean Water Program. Further regional collaboration between stormwater and groundwater managers will help to facilitate implementation and maximize benefits.

Actions to support this strategy

10.1 Facilitate recharge partnerships between stormwater and groundwater managers by enhancing understanding of surface water rights and stormwater.

10.2 Conduct decentralized facility infiltration water quality impact analysis for groundwater basins to determine parameters for facility implementation and/or mitigation for changes to water quality.

LA COUNTY
WATER PLAN
Target Link

Improving collaboration between stormwater and groundwater managers can improve the feasibility of implementing projects that will help meet the target to **increase groundwater recharge and storage by increasing decentralized infiltration by 80,000 AFY.**

Why this strategy is needed

Large parts of Los Angeles County are urbanized with impermeable surfaces like buildings, roads, and parking lots. Impermeable surfaces do not allow precipitation or stormwater runoff to infiltrate naturally into groundwater basins and may reduce local stormwater capture and groundwater recharge. Implementing projects that increase stormwater recharge of groundwater basins can be challenging due to limited understanding of and/or disagreement over surface water rights as well as concerns about the infiltration of poor-quality surface water impacting groundwater basin water quality.



Although the majority of the Los Angeles River flows within engineered flood control channels, there are sections that allow for natural infiltration to occur.





STRATEGY 11

Providing regional support for small, at-risk water systems

A regional program to identify and support small, at-risk, potentially at-risk, and failing systems within Los Angeles County, including independent systems and private wells, would provide a better understanding of each system’s unique needs, improve drinking water equity, increase workforce training, leverage funding opportunities, and tailor strategies to create longer-term resilience and higher-quality supplies.

Actions to support this strategy

11.1 Initiate a voluntary Small, At-Risk System Support Program or programs to promote small water system resiliency, not just address near-term emergency needs.

11.2 Identify “at-risk” systems and technical, managerial, and financial needs by collecting existing data (such as the County Department of Public Health’s ongoing system inspection (i.e., annual sanitary surveys)) and assessment program reports, drawing upon the United States Environmental Protection Agency technical, managerial, and financial assessment guidance.

11.3 Facilitate Small, At-Risk System Support Program to provide administrative and technical advisory support to purveyors identified in Action 11.2 to take a range of resiliency actions (e.g., create Water Master Plan and asset management program, ensure workforce succession planning, establish and check interconnections, ensure emergency storage, enhance cybersecurity, acquire emergency generators, provide resources for grant applications, regulatory compliance, and existing operations and maintenance, etc.).

11.4 Develop program to map, monitor, address, and alert the public to drinking water quality issues that originate from on-site plumbing issues including monitoring for color and odor issues in premise plumbing, especially in under-resourced communities.

11.5 Encourage all Los Angeles County water agencies to adopt and implement hazard mitigation plans and to join the California Water/Wastewater Agency Response Network (CalWARN).

11.6 Expand local agency participation in Water Information Sharing and Analysis Center to access the latest cybersecurity strategies.

Why this strategy is needed

	Failing	At-Risk	Potentially At-Risk
 Water Systems	11	23	33
 Population	11,722	249,198	512,463
 Funding Since 2017	\$995,000	\$500,000	\$2,738,793

Source: State Water Resource Control Board SAFER Program as of June 2022 (data updated daily)

There are a number of smaller, at-risk systems in Los Angeles County that could benefit from a regional support program.

Many small, at-risk systems serve under-resourced communities within Los Angeles County. As a result, these communities are at a higher risk of not receiving the same level of drinking water quality and reliability as other communities within Los Angeles County. Compliance with regulated drinking water standards can still result in inequities in the taste, color and odor of water served. Although small, at-risk systems in Los Angeles County can be regulated by multiple entities, the SWRCB Division of Drinking Water is the only entity currently documenting underperforming systems through reporting of maximum contaminant level exceedances (e.g., Safe and Affordable Funding for Equity and Resilience program). Identifying systems that are at risk of providing poor water quality, unreliable supply, cybersecurity threats, and excessive cost to ratepayers can be more challenging at the state level. Additionally, there is limited regulatory oversight to ensure that these water systems are receiving enough revenue to adequately maintain their infrastructure. Currently, the primary strategy fostered by the SWRCB to mitigate underperforming water systems is consolidation

into larger, adjacent systems. This strategy is not always applicable in more rural areas of Los Angeles County given the isolated locations of some small water systems (e.g., those in the Antelope and Santa Clarita Valleys), nor necessary if adequate supportive strategies are in place.

LA COUNTY
WATER PLAN
Target Link

Providing direct support to smaller at-risk water systems through a focused, voluntary regional program will greatly increase the ability to meet the CWP target that seeks to **reduce at-risk systems by 100%**.

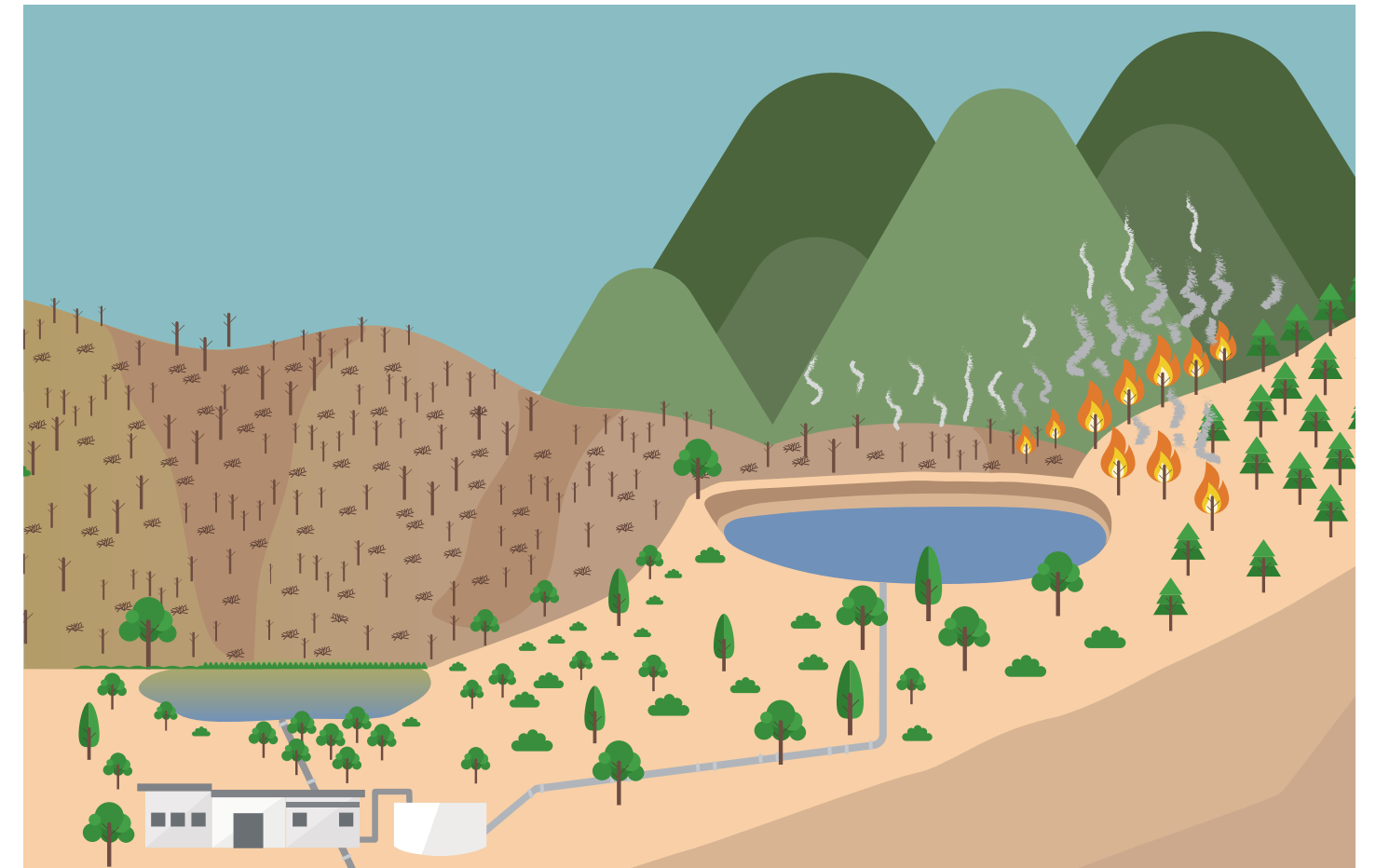


STRATEGY 12

Mitigating wildfire effects on water supply and quality

Collaboration between water and land management entities on sharing information, planning ahead, supporting existing efforts, and implementing measures can leverage regional resources to help mitigate the impacts of wildfire on both drinking water supply and environmental water quality. Land management entities and fire management groups have the primary responsibility for wildfire prevention, however there are ways that the water management community can support and enhance those efforts.

Why this strategy is needed



Ash, debris, fire retardant, and other contaminants can impair surface water supplies during and after wildfire events through erosion and sediment transport.

Wildfire frequency and intensity has been increasing across Los Angeles County and is a cause of great concern for water supplies and environmental water quality. Wildfires can interrupt power supply and damage infrastructure, directly impacting the ability to maintain water and wastewater systems during and after events. Wildfires increase pollutant loads and decrease watershed infiltration that can lead to flooding, erosion, and mass wasting of watershed lands – impacting communities as well as the quantity and quality of water resources.

LA COUNTY WATER PLAN Target Link

Working with land and fire managers on reducing the potential for and the water resource impacts from wildfires starts with the CWP target to **confirm 100% of water management agencies within the wildland-urban interface are implementing a wildfire resilience or mitigation plan.**

Actions to support this strategy

12.1 Organize a regional wildfire prevention collective that brings together water, land, and fire managers and Tribes to collaborate, share information, and explore opportunities for mutually beneficial watershed management programs and projects (e.g., fuel reduction, invasive species removal, healthy headwaters, post-fire monitoring) for both riparian and upper watershed areas.

12.2 Create a programmatic permitting tool/process with the United States Army Corps of Engineers for the 404 permit for fuel reduction measures that applies to the entire County, with the Regional Water Quality Control Boards for the 401 Water Quality Certification, and with the Coastal Commission for the Coastal Development Permit.

12.3 Enhance existing low water use landscaping education programs to include fire-scaping with information on species that contribute to wildfire spread (e.g., eucalyptus, palms, rosemary), fire starts, firesafe planting standards, landscaping choices, and water collection systems for use during fires.

12.4 Collaborate on identifying and pursuing funding opportunities to support regional wildfire prevention programs.

12.5 Enhance existing hazard mitigation plans to include regional fire management strategies for agencies located within wildland-urban interfaces.

12.6 Advocate for modifications to existing air quality regulations that allow water agencies to run emergency generators longer during fire events to maintain water supply.

12.7 Explore potential land, trail, and forestry management efforts on wildfire prevention in upper watershed areas as well as along transportation and utility corridors to remove ignition sources as well as existing firefighting efforts to minimize dispersal in riparian areas.

12.8 Support efforts exploring alternatives to fire retardants containing PFAS/PFOA that may run off into streams and spreading grounds.



STRATEGY 13

Managing invasive species in riparian areas

As many water resources related agencies also manage some watershed riparian areas, there is an opportunity for regional collaboration between watershed land and water management entities on invasive species removal done in an ecologically sensitive manner that restores native habitat. Removal of invasive species can be facilitated by wildfires and flooding if additional measures are taken following these events to fully remove and replant native species within damaged areas.

Why this strategy is needed

While any type of invasive species can create watershed issues, those that infiltrate riparian corridors are of particular concern to Los Angeles County's water resources. Riparian invasives (e.g., *Arundo donax*, tamarisk, black mustard, etc.) can dramatically deplete surface water supplies relative to native species and are also known contributors to wildfire ignition and spreading potential. Removal of invasives and replanting with native species in riparian areas is a time-sensitive and cost-intensive process that needs to be maintained over time to remain effective.

Actions to support this strategy

13.1 Enhance existing Weed Management Area for Greater Los Angeles to serve as an overall invasive management decision team with tiers of information sharing to support coordination among agencies (permitting, resource sharing, defensible space guidelines, etc.) with state and federal involvement and an invasive land coordinator.

13.4 Explore collaboration with United States Army Corps of Engineers, United States Forest Service, state and national parks, individual cities, nonprofits, Tribes, and private landowners in invasive species removal and native planting in watershed areas managed by water and flood control agencies.

13.2 Share information on areas with invasive species of mutual concern across Los Angeles County as well as planning initiatives, programs, and measures being taken to reduce invasives in riparian areas.

13.3 Consider initiating an annual regional invasive species removal program and post-fire program to improve soil quality and reduce repropagation, further spreading, and biomass fuels.

LA COUNTY
WATER PLAN
Target Link

Enhancing and growing existing efforts to reduce invasive species as well as taking advantage of post-fire conditions will help to meet our targets to **reduce fire-contributing species in riparian areas by 2,900 acres.**



Invasive plant species, such as *Arundo donax*, can increase the potential for wildfire ignitions as well as contribute to increased rates of wildfire spread and intensity.



STRATEGY 14

Facilitating sediment management and debris removal from flood control facilities

Regular and enhanced post-wildfire maintenance (e.g., removal of debris and management of sediment) of debris basins and reservoir facilities is critical to maximizing post-wildfire protection and enhancing regional water supplies. Improving prediction of wildfire-related sediment and debris loading impacts, as well as fostering regional support of the actions necessary to mitigate those impacts, will allow for enhanced flood risk mitigation and water supply benefits for the entire region.

Actions to support this strategy

14.1 **Improve modeling and weather forecasting** to predict the risk of sediment-laden flows after wildfires.

14.2 **Increase understanding of how debris flows and fires** impact percolation rates.

14.3 **Work collaboratively with regulatory agencies** to develop flexible approaches that recognize and allow for the removal of vegetation necessary for maintaining effective water supply and flood management infrastructure.

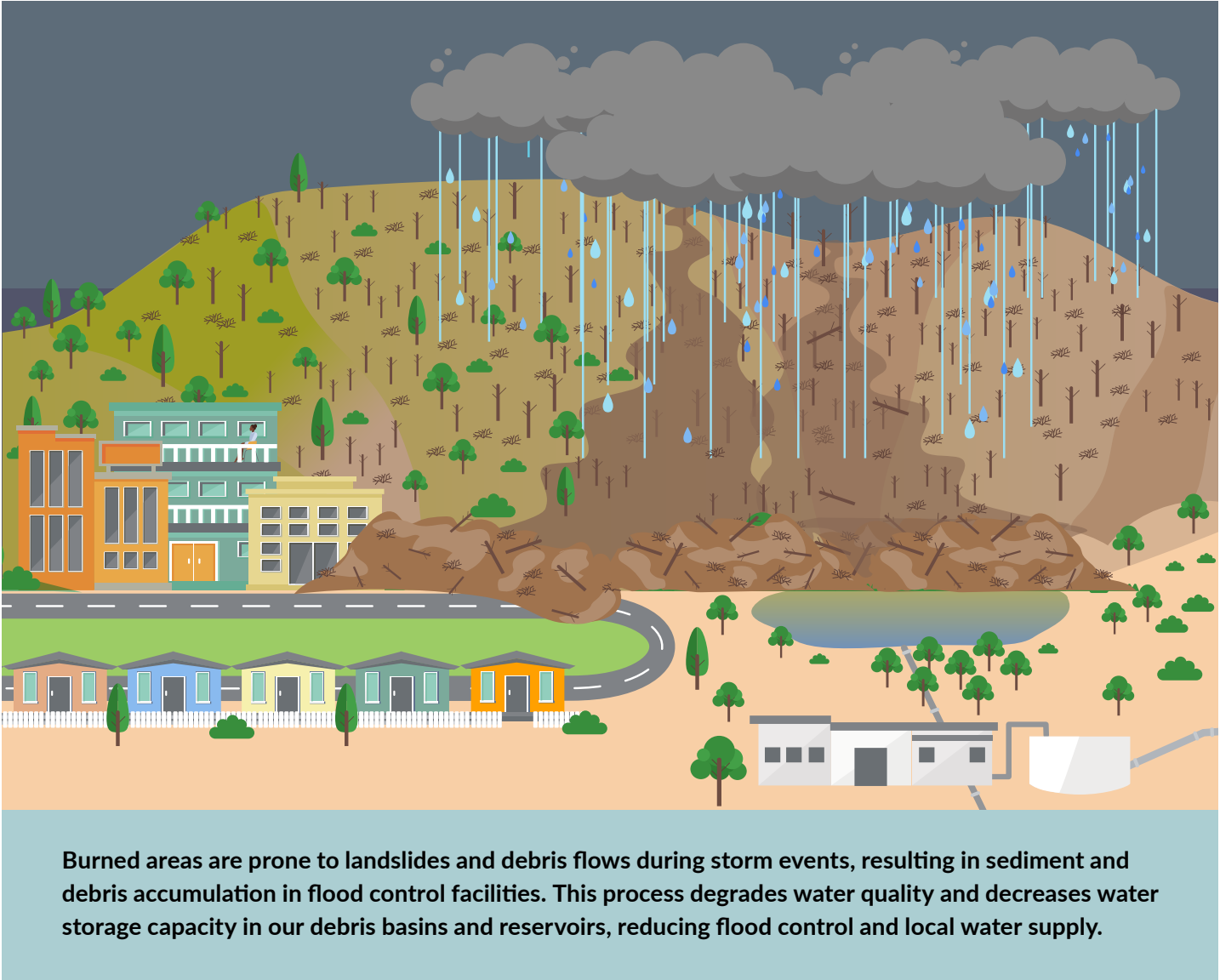
14.4 **Promote continuous dialogue and engagement with Tribes, communities, and other stakeholders to learn about community needs and exchange ideas** on the importance of sediment management to maintain flood protection.

LA COUNTY
WATER PLAN

Target Link

Improving the understanding of post-fire impacts as well as facilitating effective debris basin management will help to achieve our target to **maintain a minimum of 75% of available capacity in all debris basins and 80% of average available capacity in reservoirs.**

Why this strategy is needed



Burned areas are vulnerable to flash flooding and debris flows. Following large storm events, sediment and debris can accumulate in flood control facilities, resulting in reduced water storage capacity. The Los Angeles County Flood Control District captures and manages the majority of stormwater flows across Los Angeles County to protect communities from flood damage and increase capture of local water supplies. Eroded sediment and debris are collected and retained by a network of debris basins, reservoirs, and flood control channels, which support recharge of stormwater, recycled and imported water. The ability for the facilities to retain post-wildfire flows as well as facilitate recharge requires consistent removal of accumulated debris and vegetation growth which is often challenging given regulatory constraints and community concerns.

ALIGNING TARGETS AND STRATEGIES

Strategies	Targets															
	A. Achieve 100% compliance with State Urban Water Use Objectives	B. Increase local supply sources by 580,000 AFY	C. Meet 100% of water demands even in times of drought	D. Maintain access to 6 months of emergency supply	E. Maintain at least 700,000 AFY baseline groundwater production	F. Increase production in areas overlying impaired groundwater by 18,000 AFY	G. Enhance regional facility recharge by 250,000 AFY	H. Increase decentralized infiltration by 80,000 AFY	I. Reduce at-risk systems by 100%	J. Improve drinking water equity and affordability	K. Reduce color, taste, and odor drinking water quality issues by 50%	L. Confirm 100% of small water systems have access to alternative sources of supply	M. Reduce fire-contributing species in riparian areas by 2,900 acres	N. Reduce human-caused ignitions by 50%	O. Maintain 75% capacity in all debris basins and 80% capacity in reservoirs	P. Implement a wildfire resilience or mitigation plan
1: Achieving the most efficient water use possible countywide	✓		✓						✓							
2: Collaborating on consistent drought preparedness and response messaging	✓		✓						✓							
3: Coupling local supply development with regional conveyance		✓	✓	✓	✓		✓		✓	✓		✓		✓		
4: Managing salt and concentrate regionally		✓	✓		✓	✓	✓			✓		✓				
5: Leveraging regional groundwater storage potential		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓			✓	
6: Collaborating on water quality needs and treatment technologies		✓	✓		✓	✓	✓	✓	✓	✓	✓				✓	
7: Enhancing cost-effectiveness of pumping and treating impaired groundwater		✓	✓		✓	✓	✓		✓	✓	✓	✓			✓	
8: Protecting coastal groundwater basins from seawater intrusion		✓	✓	✓	✓	✓	✓		✓							
9: Facilitating regional groundwater recharge understanding and initiatives		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓			✓	
10: Facilitating natural infiltration of precipitation		✓	✓	✓	✓			✓	✓				✓		✓	
11: Providing regional support for small, at-risk water systems	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12: Mitigating wildfire effects on water supply and quality		✓			✓	✓	✓	✓	✓				✓	✓	✓	✓
13: Managing invasive species in riparian areas		✓	✓				✓	✓	✓				✓	✓	✓	✓
14: Facilitating sediment management and debris removal from flood control facilities		✓	✓	✓	✓		✓			✓			✓	✓	✓	

Additional information about Targets is available in Appendix B.

4

CHAPTER 4 WORKING TOGETHER FOR A RESILIENT WATER FUTURE

The CWP is more than this initial document – it is a dynamic planning and policy platform rooted in the spirit of fostering ongoing regional collaboration. Our values, including considering equitable benefits and comprehensive impacts of water resource management decisions, will continue to drive our progress. The success of this planning effort will continue to involve water management entities and stakeholders working together with facilitation by Public Works, to realize our shared vision for future water resilience.

Facilitating CWP Implementation

Public Works is committed to facilitating continued collaboration and success toward CWP targets, strategies, and actions, and tracking and reporting progress. Following CWP adoption, Public Works will initiate implementation of the CWP. Our overall focus will be on bringing together participants and resources to fulfill the vision of the CWP. Our role is to lead and facilitate the CWP implementation, which will consist of three primary tasks: (1) develop and implement two-year Action Plans, (2) continue collaboration with stakeholders, and other planning efforts, and (3) track and share progress.

Public Works will actively solicit participation in the CWP implementation from stakeholders, leveraging the IRWM programs as well as other forums. The CWP Portal will be used to seek and facilitate participation, highlighting opportunities for interested parties to get involved. Plan implementation will be adaptively managed and informed by engagement with stakeholders.

As water resource needs and opportunities in Los Angeles County continue to evolve, so will the CWP. Based on valuable input from stakeholders, other topics are expected to be explored in future iterations.

Public Works will use the CWP Portal to track progress on the CWP. We will update the CWP Portal over time to reflect current implementation activities, identify additional actions, and seek participation. The CWP Portal will be a critical tool to measure success by tracking progress toward CWP targets. The CWP Portal will enable participants and the public to view the CWP's implementation progress.

Access the CWP Portal at

LACountyWaterPlan.org

IMPLEMENTING TWO-YEAR ACTION PLAN

Additional resources will be required to implement the Plan. Public Works’ first implementation step will therefore be to pursue resources to establish and facilitate task forces that could advance specific actions. As part of CWP implementation, Public Works will maintain an Action Plan, which identifies the specific steps to advance progress on CWP actions within a two-year period. Where appropriate, Public Works may directly lead an action. More often, Public Works will primarily serve to encourage the collaboration among the Task Force, including engagement with other water management entities and stakeholders to support each action, as applicable. Public Works, in collaboration with partners and stakeholders, will aim to update the Action Plan every two years, building on prior accomplishments and considering the evolving water management needs, interests,



and opportunities of Los Angeles County. The current Action Plan is included as Appendix A. The two-year Action Plan provides specifics to support the pursuit of the necessary resources to advance each action. The CWP is intended as a planning tool, or guide, for the development of a shared, inclusive, regional path forward to sustainably and equitably achieve safe, clean, and reliable water resources for Los Angeles County. The CWP is a living document which contains concepts that will only become a reality if agencies, Tribes, and stakeholders continue to collaborate effectively and secure corresponding resources. The CWP is subject to change based on the changing needs of the region, new technologies, future legislation and regulations, the continued cooperation of participating entities, and the availability of state, federal, and

other long-term stable funding sources. The CWP is intended to provide general direction, including collaborative targets, strategies, and actions. Nothing in the CWP should be construed as a commitment by any participating entity to fund the implementation of any specific actions identified herein. Adoption of the CWP is not intended to serve as approval or authorization for any specific activity that would be considered a project under the California Environmental Quality Act (CEQA).

CONTINUING COLLABORATION

Public Works will continue to work in concert with IRWM regions to implement the CWP, in particular to engage stakeholders and enhance the dialogue on additional opportunities to build resilience through regional collaboration. To support progress on the Los Angeles County targets established in the OurCounty Sustainability Plan, we will coordinate with the County Chief Sustainability Office on implementing strategies and actions to advance our mutual goals. We will also coordinate with and leverage Infrastructure LA, an existing countywide initiative leading regional collaboration to bring resources, including funding, to Los Angeles County. As a sister program to other Public Works-led programs like the Safe, Clean Water Program, the CWP implementation will also seek opportunities to work collaboratively with those efforts.

SHARED PROGRESS

Public Works will track continued progress toward the CWP targets and share this progress on the CWP Portal. To track long-term progress towards meeting the CWP targets, Public Works will lead a collaborative process to collect data and information from entities throughout the County and State, leveraging the CWP Portal as well as outside data management platforms.

To encourage continued participation and highlight CWP successes, CWP annual implementation updates will be provided on the CWP portal. The updates will highlight specific programmatic or project accomplishments throughout Los Angeles County that support CWP regional targets and strategies, including both those undertaken through the CWP and through other local and regional efforts.

Engaging in CWP Implementation

All stakeholders with an interest in water resources management in Los Angeles County have a role to play in realizing the vision of the CWP. There are opportunities to participate and engage in all three tasks of CWP implementation.

CWP IMPLEMENTATION TASK	HOW TO GET INVOLVED
Implement Two-Year Action Plan	• Leading or participating in an action or Task Force • Sharing information and resources
Continue Partnership	• Leveraging local and regional efforts to support the CWP vision • Participating in opportunities for collaboration
Share Progress	• Reporting successes that align with CWP strategies and actions • Providing data to support tracking progress on targets

Our Road to Water Resilience Together

This edition of the CWP is the work of a dedicated group of agencies, organizations, and individuals who truly care about the best interests of Los Angeles County’s residents and are working to bring the CWP’s vision to fruition. These contributors are acknowledged in Appendix F. As entities came together to produce this plan, they understood that Los Angeles County water managers, Tribes, other stakeholders, and the public are all in this together and have the opportunity to make things better for generations to come.

To achieve our collective vision of equitable, sustainable, resilient, safe, clean, and reliable water resources for Los Angeles County, it will be critical that we continue to work together. Public Works is committed to fostering continued collaboration on regional opportunities to generate innovative solutions to complex problems as water management in Los Angeles County evolves. **It will take all of us to achieve water resilience.**





equity

local

resilience

sustainability

opportunity

water

resources

collaboration

relationships

regional

LA COUNTY
WATER PLAN

LACountyWaterPlan.org

Prepared by LA County Public Works with support from Woodard & Curran | December 2023



RESOLUTION NO. 793

RESOLUTION OF THE BOARD OF DIRECTORS

OF CRESCENTA VALLEY WATER DISTRICT

ADOPTING THE LOS ANGELES COUNTY WATER PLAN

WHEREAS, Climate change is establishing a “new normal” of more frequent and intense droughts, as well as less frequent and more torrential rains; and

WHEREAS, Recognizing a new climate reality and the need to be thoughtful stewards of future water supplies, a water resilience plan focused on collaborative management of the region’s water resources was developed by Los Angeles County Public Works in partnership with countless other agencies, stakeholders, and tribes and;

WHEREAS, this collaborative effort crafted a water resilience plan known as the Los Angeles County Water Plan and established the path to realizing a future which is rooted in cross-sector collaboration and coalition building; and

WHEREAS, The Los Angeles County Water Plan articulates a shared, inclusive, regional path forward to sustainably and equitably achieve safe, clean, and reliable water resources for Los Angeles County; and

WHEREAS, Crescenta Valley Water District has reviewed the Los Angeles County Water Plan and affirms that the plan will ensure that the region has resilient, sustainable, and equitable water resources to meet its demand, particularly, during times of scarcity or crisis; and

WHEREAS, The Los Angeles County Water Plan was adopted unanimously by the Los Angeles County Board of Supervisors on December 5, 2023.

NOW THEREFORE, BE IT RESOLVED, that the Board of Directors of the Crescenta Valley Water District hereby:

1. Adopts the Los Angeles County Water Plan as a guiding document to inform pertinent and relevant aspects of Crescenta Valley Water District’s water resilience strategies.
2. Authorizes and empowers the General Manager of Crescenta Valley Water District or designee to continue collaborating and pursuing regional water resilience with the Los Angeles County Public Works and other water resource organizations, and engaging stakeholders regarding matters related to the Los Angeles County Water Plan.

3. Authorizes and empowers the General Manager of Crescenta Valley Water District or designee to actively engage in coalition building with water agencies, stakeholders, communities, and tribes to effectively establish relationships and bolster regional collaboration related to regional water resilience.

PASSED, APPROVED AND ADOPTED, at a Regular Meeting of Board of Directors of Crescenta Valley Water District held on May 14, 2024, Resolution No. 793 was adopted by the following vote:

YES:
NOES:

ATTEST:

President, Board of Directors
Crescenta Valley Water District

Secretary of the Board of Directors
Crescenta Valley Water District

)

)

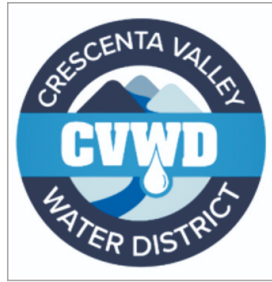
)

I, ARTURO MONTES, Secretary to the Board of the Crescenta Valley Water District, DO HEREBY CERTIFY that the foregoing is a full, true and correct copy of Resolution No. 793 of the Board of Directors of Crescenta Valley Water District adopted at a Regular Meeting held on May 14, 2024, and that the same has not been amended or repealed.

**Secretary of the Board of Directors of
Crescenta Valley Water District**

DATED: May 14, 2024

(S E A L)



Happy Belated Earth Day!

Last weekend, we celebrated Earth Day at Crescenta Valley Park in conjunction with an event hosted by Los Angeles County. It seemed particularly apropos on the heels of Mary O'Keefe's article in last week's issue about CVWD's ongoing efforts to capture stormwater at CV Park. This has been a project stalled for years due to a water rights issue dating back centuries (*centuries!*).

Hurdling this issue with LADWP/City of Los Angeles would provide multiple common sense benefits. On one hand, we would augment water supply sustainability for our community as drought cycles intensify while supporting the County's flood control efforts. In addition, we could significantly control costs in the face of ever-rising costs for importing water from northern California and the Colorado River, which themselves are severely impacted. As a point of reference, Metropolitan Water District, the District's upstream source of imported water, recently finalized an 11% and 10% rate increase for this year and next year, respectively. Thankfully, this is less than the increase originally proposed.

There is a trove of smart folks in our community with a broad array of backgrounds and talents; let's utilize that talent for savings at the tap! Tackling this issue with water rights that ultimately results in saving billions of gallons of water wasted at sea is a benefit well beyond our community. It would set a precedent for the broader SoCal region that has struggled for years with the same and similar issues. So, let's make sure this happens!

A few days before our Earth Day event with the County, we hosted our second installment of Office Hours at the La Crescenta Library. As always, it was a great opportunity to learn and share feedback and ideas with our dedicated staff and board members. It was wonderful to meet many new faces! This time around we provided a brief presentation on our "in-house pipeline" initiative.

In-house pipeline is what it sounds like: upgrading our water mains with District staff and resources. This initiative aims to see whether we can replace a lot of our pipelines in the face of skyrocketing contractor costs. For context, the contractor portion of pipeline replacement has more than doubled in cost (more than 100%) over just the last two to three years. Our rates simply cannot keep up. We've issued bonds, which I firmly believe is the right choice because it makes sure we have enough money, it spreads out the cost and it ensures "intergenerational equity" as we're not saddling this generation with last generation's problems and tomorrow's generation's usage of the system.

We now have sufficient money to complete projects for the next three years, but as stewards of public funds the question still needs to be answered: “Are we doing everything we can to stretch the ratepayer’s dollar?” This is why we’re pursuing what some have called an aggressively ambitious initiative. At this point, I can’t make the promise that an in-house program will work. It is difficult, takes particular skill sets and takes extraordinary organization. But if it does work, we stand to save extraordinary amounts so we find it our obligation to try. The first project breaks ground next Monday. It will be on Fierro Circle (at the top of La Crescenta Avenue). We will keep you updated on how this, and subsequent projects, goes. Please wave a sign of gratitude at our dedicated crews if you happen to drive by.

Thank you for taking the time to read and for continuing the dialogue.

James Lee, General Manager
CV Water District



NEWS FROM CVWD <<< JAMES LEE added by **CV Weekly** on April 25, 2024
[View all posts by CV Weekly →](#)

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The Outlook of LADWP Water Rights

By CV Weekly on April 25, 2024 · 0 Comments

By Mary O'KEEFE

In last week's CVW article titled "Letting the Rain Run Through Our (Future) Drought Fingers" we cited the response from Los Angeles Dept. of Water and Power (LADWP) in regard to a proposed project for water capturing by Crescenta Valley Water District (CVWD).

To recap, for years CVWD has been working on a proposal to capture rainwater that flows down the Verdugo Wash. The Crescenta Valley County Park Stormwater Recharge Facility Project would capture rainwater in two spots along the Verdugo Wash that travels through CV Park. The water captured would be used to replenish groundwater that has been reduced due to years of drought. Presently, rainwater travels down the wash to the LA River and then out to sea. But LA has water rights and, in accordance with its City Charter, it's their water.

LADWP's email response to questions included the definition of Section 673(a) of the LA City Charter, which states, "The City shall not sell, lease or otherwise dispose of the City's rights in the waters of the Los Angeles River, in whole or in part." Sections 673(c) and 677(b), however, allow the City "[t]o enter into contracts with any public agency for the exchange of water as long as the water exchanged is replaced in full to the City within a reasonable period set by the board."

The email response explained that although LADWP could not allow

CVWD to use the City's water it can "exchange water with Crescenta Valley."

LA Charter Section 677 allows the City to exchange water with other municipalities.

"This means Crescenta Valley would need to replace, in full, to the City any volume of water that is diverted away from the LA River from another water source. It would be up to Crescenta Valley to evaluate, consider and propose when, where and how to make the City whole in this matter. Some examples could include, but are not limited to, providing an equivalent amount of water using water rights it holds or water from the Metropolitan Water District," according to LADWP email response.

Water rights in California have been at the center of many conflicts since well before statehood, and those rights are protected by those who own the rights.

“After years of litigation, the California Supreme Court determined in the case, captioned *City of Los Angeles v. City of San Fernando*, 14 Cal.3d 199 (1975), that the City of Los Angeles holds prior and paramount pueblo rights to the Los Angeles River,” according to LADWP.

LADWP did respond that the department is always open to discussing “opportunities to collaborate and develop local water supplies, provided such projects comply with the City Charter and all other legal requirements,” LADWP stated.

LADWP’s answers to CVW questions always added the caveat that water rights/City Charter and legal requirements would have to be followed with any partnership.

LA County has recently released its LA County Water Plan.

“Los Angeles County Public Works, together with water management organizations and a diverse array of stakeholders, collaborated to support the Los Angeles County Water Plan (CWP), charting a path to achieve our collective vision of equitable and sustainable water resources and a secure water future for everyone,” according to the LA County Water Plan.

“Yes, [LADWP] was part of the LA County Water Plan development. Water rights were discussed at length due to the fact that each adjudicated groundwater basin has specific rules set forth in their respective court judgments and administered by their respective watermasters,” LADWP stated.

There are several mentions of working with other agencies and working together. The “Vision statement” in LA County’s Water Plan includes this foundation of working with other agencies.

“The CWP articulates a shared, inclusive, regional path forward to sustainably and equitably achieve safe, clean and reliable water resources for Los Angeles County,” according to CWP.

Historically, it does make sense that Los Angeles needs to protect its water rights. A majority of the LA area is within a basin. This means water flows down into the basin. If the water is stopped by mountainous communities then less water reaches LA; however, it may be time to reexamine the water rules, especially considering recent rains.

According to the California Water Watch, as of April 22 precipitation for water year-to-date is 130% of historical average.

Several attempts to speak to LA Mayor Karen Bass have been made by CVW but without success. On March 10, the mayor's office released a press statement on how LADWP had captured over 13.5 billion gallons of stormwater. This amount was up from the capture of 8.4 billion in February 2023.

However, that water in the Verdugo Basin that CVWD wants to capture is not part of LA's reported stormwater capture.

Next week CVW will look at the CWP plan and how the attitude of "working together" may help with the CVWD project.



The Outlook of LADWP Water Rights added by **CV Weekly** on April 25, 2024
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CRESCENTA VALLEY WATER DISTRICT

STAYING ACTIVE IN THE COMMUNITY



PIPELINE PROJECTS

By replacing aging water mains with in house resources, CVWD controls costs and stretches ratepayer dollars in today's inflationary environment.



ROSEMONT PRESERVE

CVWD partnered with the Rosemont Preserve on a weekend water talk as part of a larger shared vision. Stay tuned!

In brief

By CV Weekly on April 25, 2024 · 0 Comments

CVCA Meeting Tonight

The Crescenta Valley Community Association will have its monthly meeting tonight, April 25, at 7 p.m. via Zoom. The meeting will include discussion on local issues as well as an opportunity for Foothill area residents to bring their own concerns. Contact the CVCA at crescentavalleycommunityassn@gmail.com with questions and for Zoom meeting information.

All are welcome.

Immersion in Nature and Water Tour of Rosemont Preserve

The community is invited to spend mindful, intentional time at the Rosemont Preserve on Saturday, April 27 from 9 a.m. to 10:30 a.m. doing what the Japanese call *shinrin-yoku* or forest bathing. Elena de la Cruz will be guiding participants through this opportunity to slow down and be with Mother Earth by walking slowly and waking up their senses to the surrounding wonders. Studies have shown forest bathing can promote health and happiness.

Participants should be aware they might be in the sun at some point so bring a hat, water and sunblock.

Sign-ups are limited; visit <https://tinyurl.com/mvknadss>.

Then on Sunday, take part in a unique tour of Rosemont Preserve led by staff at the Crescenta Valley Water District. The tour is planned for April 28 from 9 a.m. to 10:30 a.m. Attendees will learn about watersheds, where local water comes from, and how water gets stored and delivered to local homes, plus a chance to know the local water district.

The Preserve is located at the north end of Rosemont Avenue, just past the chain link fence. As street parking is limited, please park at Two Strike Park, 5107 Rosemont Ave. *and not in front of neighbors' homes*. Those with mobility issues who require a closer parking spot should contact RosemontFriends@gmail.com.

Town Council Scholarship Apps

Applications for Crescenta Valley Town Council scholarships are available to graduating seniors who live in unincorporated Los Angeles County – La Crescenta/Montrose. The applications are on the CVTC website (<https://thecvcouncil.com/>) and have to be returned by May 5.

Verdugo Mountains 10K

The City of Glendale announced the return of the Verdugo Mountains 10k Trail Run & Hike, this year on May 5 at 8 a.m. The race proceeds support the Glendale Parks & Open Space Foundation, a non-profit that supports open space and outdoor programs in Glendale.

The Verdugo Mountains 10k Trail Run & Hike began in 2011 as an annual event to bring runners and hikers together to conquer the Verdugo Mountains. The course starts in Brand Park near the Doctor's House and climbs the Brand Motorway 1,686 feet of elevation to a height of 2,536 feet above sea level. Participants will get breathtaking views of Glendale and the San Fernando Valley from high up on the mountain.

Registration for the event is available at <https://my.racewire.com/event/7969>. Fees are \$40 per runner and include a T-shirt and finisher medal.

CVWD WATER QUALITY COMMITMENT

Our top priority is ensuring that the water we serve is safe and reliable. Your water meets all State and Federal drinking water health standards, including the US Environmental Protection Agency's new standards on PFAS announced last week. Like many communities throughout the nation, trace amounts of PFAS have been found in our water.

PFAS (Per- and polyfluoroalkyl substances) are a group of man-made chemicals manufactured and used in various industries worldwide for more than 70 years. CVWD has been proactively testing and operating the system to ensure that water provided meets all state and federal regulations, including PFAS. See the [EPA Fact Sheet here](#).



We will keep you updated. If you have any immediate questions, please reach out to our customer service representatives.

**For questions,
contact CVWD**



818-248-3925



customerservice@cvwd.com
www.cvwd.com



CRESCENTA VALLEY WATER DISTRICT

General Manager Report

To: Honorable President and Members of the Board of Directors
From: James Lee, General Manager
Subject: **General Manager Report**

GM Report
May 14, 2024

General Manager's Report Topics:

- In-house pipeline initiative – 1st project: Fierro Circle – summary of completed project
- Rosemont Preserve – Waterways & Watersheds
- Well 2 – back in service
- Conservation level “green – increased” to “blue – standard”
- Field Operations Report – April 2024
- Engineering Report – April 2024

STAFFING

1 employee has a work anniversary in May: Kellen Boyce – 22 years.

GENERAL MANAGER ACTIVITIES

Meetings:

Managers Meeting(s)	- April 29 th , May 6 th , May 13 th
Grants Administration Strategic Planning	- April 24 th
Rosemont Preserve: Waterways and Watersheds	- April 28 th
FMWD Manager Meeting	- May 1 st
Ad Hoc Committee: PFAS	- May 2 nd
Ad Hoc Committee: Legal	- May 3 rd
Leadership Academy: 4 th Session	- May 9 th
Pico Water District	- May 9 th
Ad Hoc Committee: PFAS	- May 13 th

Submitted by:



James Lee
General Manager

Field Maintenance and Operations Report

April 2024

2

Water Main Repairs

7

Water Service

Repairs: 6 Replacements: 1

2

After Hours Leaks/Repairs

0'

Sewer Maintenance

Clean: 0' Inspect: 0' Reports: 0

- **Field Maintenance Projects**

- * E-1044 – Replace 7 1.5 Meter – LHMPgrant
- * E-1077 – 2700 Fierro Circle – Pipeline Installation Kick-Off
- * Install 4 pressure monitors – Zones 2 & 3
- * E-977 – Ramsdell Mixing Station: Install two hydrants for above ground PRV

- **Operations Report**

- * PFAS sampling study - continued
- * Well #2 – Nitrate blending plan completed
- * Well #2 – In service – producing 98 GPM
- * Paschall – Booster B installation complete
- * Glenwood – Remove fallen tree

- **Electrical/Telemetry**

- * E-962 & E-939 – integration build with Apex – Final hardware has been installed
- * Portable generator loading & testing

- **Wastewater**

- * Lift Station Visits: 4 (De-rag pumps, check valves)

Field Maintenance and Operations Report

April 2024

Days without a lost-time incident: **134**

120+

Water Quality Samples w/ additional
PFAS monitoring samples

90

Valves

Replace: 0 Exercise: 90 Install: 0

2

Fire Hydrant Maintenance

Rebuild: 0 Install: 2 Inspect: 0

7

Water Meter Replacement

¾": 0, 1": 0, 1.5": 7, 2": 0, 3": 0, 4": 0

- **Training/Cross Training**

- * National Groundwater Association PFOS Seminar
 - Kellen Boyce

- **Events**

- * Spring Fling

- **New Certification**

- * None to report

- **Safety**

- * Fire Safety
 - Glenwood Plant

Engineering Report

May 14, 2024
Staff Report

To: Honorable President and Members of the Board of Directors
From: Brook Yared, M.S., P.E. – Interim Director of Engineering & Operations
Subject: **Engineering Report – March and April 2024**

- **Water Production Report**
 - March 2024 – Water production – 77%/23% split – 73.4 MG for the month
 - March 2024 – Average use – 5.2% more than 2023 and 18.0% less than 5-yr average
 - April 2024 – Water production – 69%/31% split – 83.2 MG for the month
 - April 2024 – Average use – 3.3% less than 2023 and 18.7% less than 5-year average
- **Rainfall Update**
 - 5.84” for March 2024 and 1.80” for April 2024
 - Rainfall Total for WY 2023/24 – 25.80”
- **Engineering Update - Water**
 - **FY 23/24 Capital Improvement Project**
 - Goss Canyon #2 Reservoir Rehabilitation
 - Reservoir Filling planned for week of May 13, 2024
 - Paschall Booster B
 - Vertical Turbine Pump Installed
 - Sound blankets to be installed in June 2024
 - LADWP-CVWD Emergency Interconnection
 - Manifold approved by LADWP
 - Manifold and break point chlorination installation being scheduled
 - DDW Supply Permit revision request
 - Ramsdell Mixing Station/Pressure Reducing Station
 - Above ground PRVs Constructed
 - 16-inch Isolation Valve planned to be installed in June 2024
 - Conversion to Chloramination
 - No Report
 - Mills Booster A VFD Installation
 - Motor removed for rewinding
 - VFD installation planned for June 2024
 - Mills Aeration Tower Replacement Design – Considering abandonment and installation of chemical injection to adjust pH
 - **FY 22/23 Capital Improvement Project**
 - 2600 & 2700 Blocks of Orange Ave
 - Awaiting response from Contractor
 - **3000 & 3100 Blocks of Montrose Ave (E-1067)**
 - Addressing punchlist items
 - **Transfer of Services to Glendale Water and Power (E-1051)**
 - GWP scheduling lateral installation
 - CVWD to follow up on a lateral extension and abandonments

- **AMI Customer Engagement Portal**
 - Approximately 7,026 radios and lids to install/replace
 - 599 are active on the Customer Engagement Platform
 - Approximately 130, $\frac{3}{4}$ & 1-inch meters including laterals to replace
- **Replacement of Supervisory Control and Data Acquisition (SCADA) System**
 - Site Hardware installation and implementation complete week of March 5, 2024
 - Remaining work
 - Punchlist items
 - Document all control strategies
 - Server and software update
- **Well 2**
 - Permit update complete
 - Troubleshooting control strategy
- **Engineering Update - Wastewater**
 - Wastewater Master Plan
 - Presentation by Kennedy-Jenks at next Engineering Committee Meeting
- **Grant Program**
 - Water Recycling Grant
 - Adjusted schedule accepted
 - New Backhoe – Carl Moyer Grant – Scheduling CARB inspection
 - USBR Small-Scale Water Efficiency Grant 2022 – 3” & 4” Meters – Claim being prepared
 - USBR Small-Scale Water Efficiency Grant 2022 – 1-½” Meters – Project extension request submitted to USBR
 - Stormwater Capture Project at Crescenta Valley County Park – No report
- **Developer Projects**
 - On hiatus
 - 3037/3043 Foothill – Pending payment of materials and inspection estimates.
 - 4360 Ocean View – 7 units – Pending Reconciliation and Transfer
 - 4521 Briggs/2413 Foothill – New 81 units
 - 2341 Mira Vista – New 4 Units
 - 2434 Foothill – New 31 units
- **FMWD**
 - No Report

CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

April 1 - April 30, 2024

Well Production:	51,732,200	Gals		
GWP Production:	4,342,000	Gals		
Gravity Production:	1,423,899	Gals	% GW	69%
FMWD:	25,789,140	Gals		
City of Glendale:	0	Gals	% Import	31%
TOTAL:	83,287,239	Gals		
	255.60	ac-ft		

Glenwood Nitrate Water

Reclamation Plant:* 0

*Included in Well Production

WATER DEMAND COMPARISON

Time Period	Average Daily Usage (gals)	Current Period Change
April 1 - April 30, 2024	2,637,563	
April 1 - April 30, 2023	2,727,947	-3.3%
5-yr Average - April 2019 - 2023	3,244,794	-18.7%

RAINFALL: April 1 - 30, 2024

1.80"

Season-To-Date:

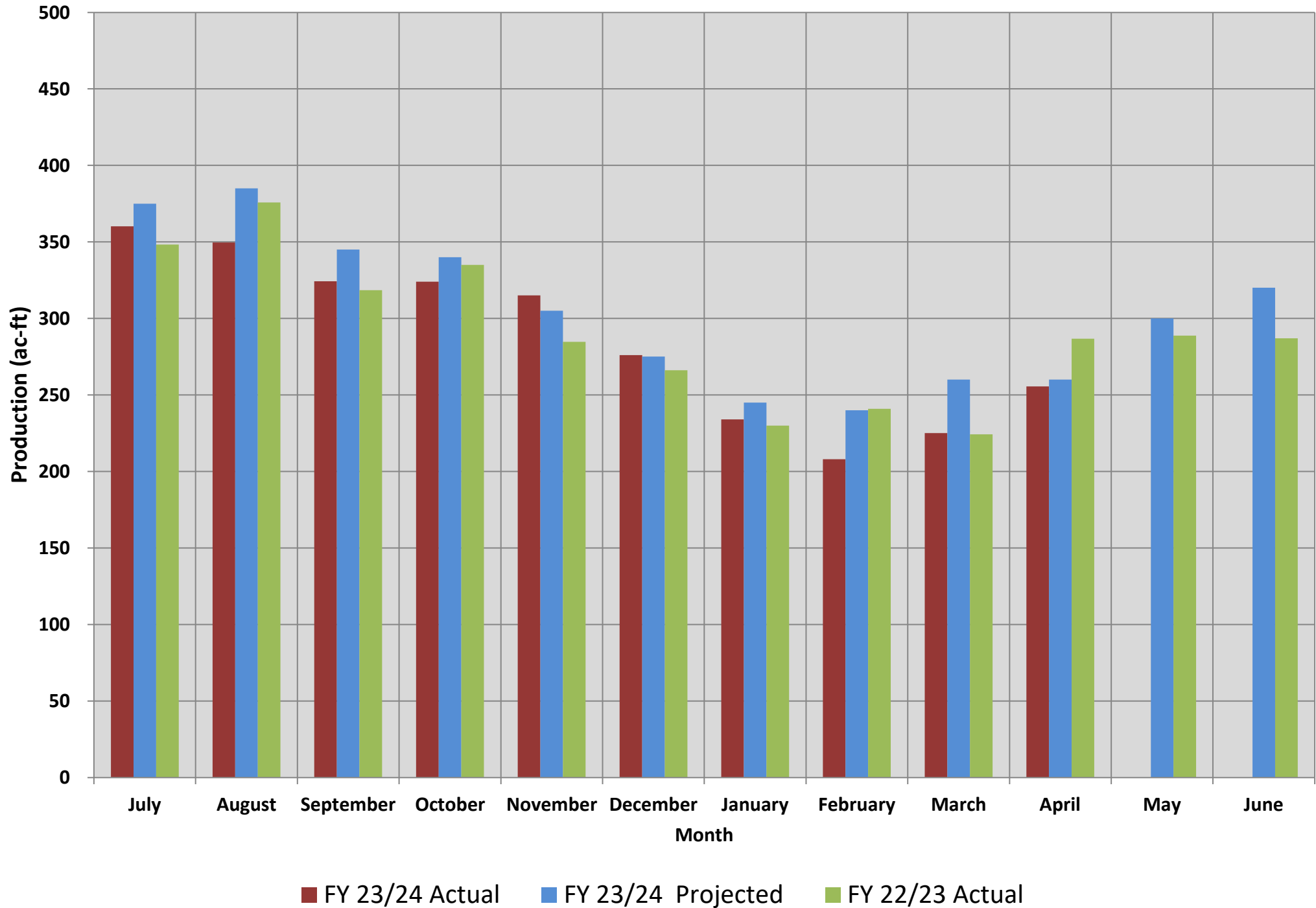
25.80"

2023/24 Fiscal Year Water Production			WY 23/24 - Groundwater Production Water Rights		GWP (Well 16) Water Production - 2024		Purchased Water Production Tier 2 Allocation 2024	
Month	Actual Total Water Production (ac-ft)	Projected Total Water Production (ac-ft)	Month	Month	Month	Well Production (ac-ft)	Month	Imported Water Production (ac-ft)
July	360	375	October	160	January	13	January	79
August	350	385	November	168	February	13	February	53
September	324	345	December	169	March	14	March	51
October	324	340	January	142	April	13	April	79
November	315	305	February	142	May		May	
December	276	275	March	160	June		June	
January	234	245	April	163	July		July	
February	208	240	May		August		August	
March	225	260	June		September		September	
April	256	260	July		October		October	
May		300	August		November		November	
June		320	September		December		December	
Total to Date	2,872	3,030	Total to Date	1,104	Total to Date	54	Total to Date	262
Projected	3,492	3,650	Water Rights	3,294			Tier 2	2,154
% of Projected	78.7%	83.0%	% of Rights	34%			% of Allocation	12%
Remaining	778	620	Remaining	2,190			Remaining	1,892

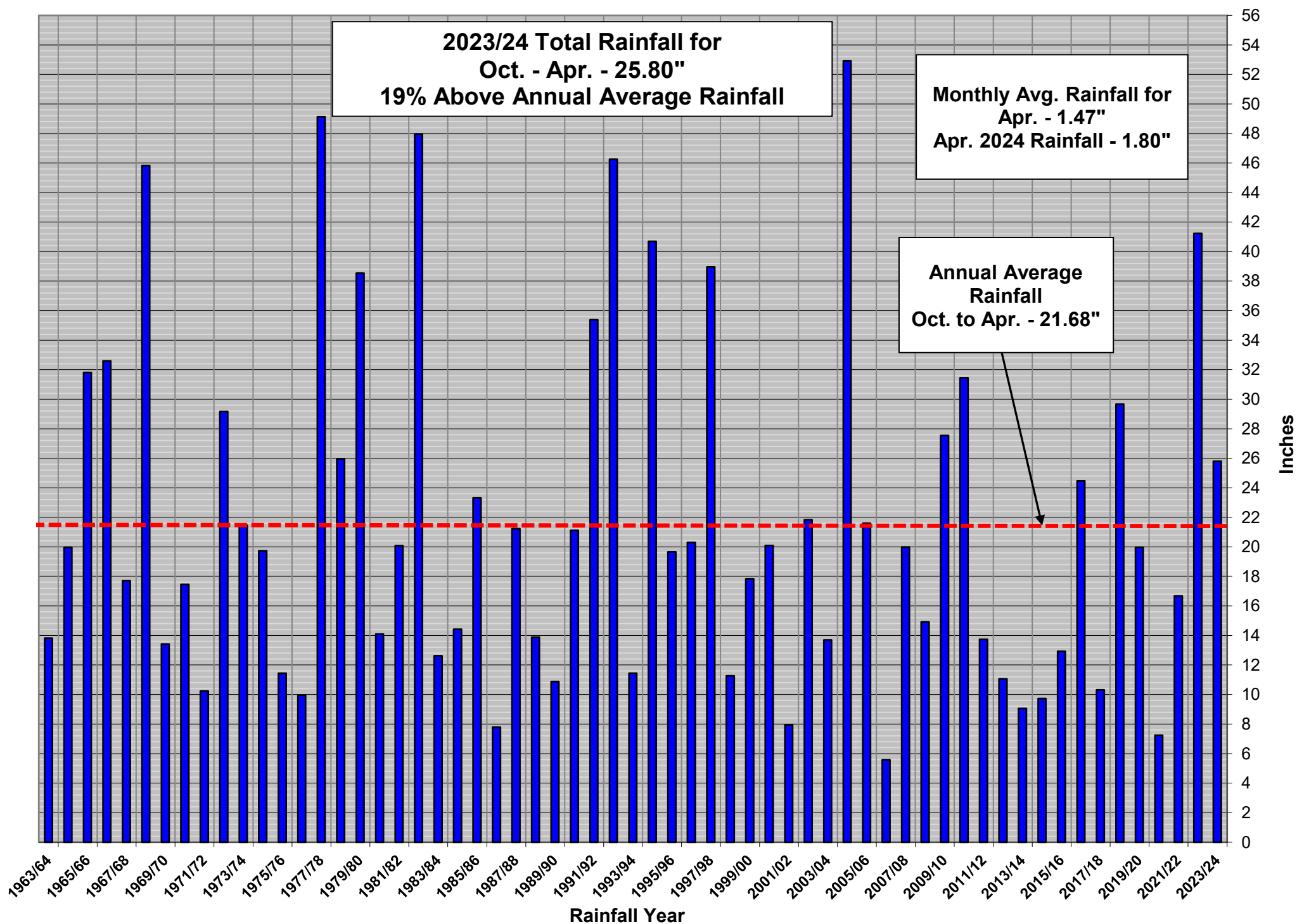
NOTE:

1) Blue Numbers = Estimated Water Production

Monthly Water Production: FY 23/24 Actual, FY 23/24 Projected & FY 22/23 Actual



Monthly Rainfall - 1963/64 - 2023/24 (Oct. 1 - Apr. 30)



CRESCENTA VALLEY WATER DISTRICT

WATER PRODUCTION REPORT

March 1 - March 31, 2024

Well Production:	50,860,420	Gals		
GWP Production:	4,593,000	Gals		
Gravity Production:	1,417,316	Gals	% GW	77%
FMWD:	16,544,339	Gals		
City of Glendale:	0	Gals	% Import	23%
TOTAL:	73,415,075	Gals		
	225.30	ac-ft		

Glenwood Nitrate Water

Reclamation Plant:* 0

*Included in Well Production

WATER DEMAND COMPARISON

Time Period	Average Daily Usage (gals)	Current Period Change
March 1 - March 31, 2024	2,413,108	
March 1 - March 31, 2023	2,294,712	5.2%
5-yr Average - March 2019 - 2023	2,943,766	-18.0%

RAINFALL: March 1 - 31, 2024 5.84"

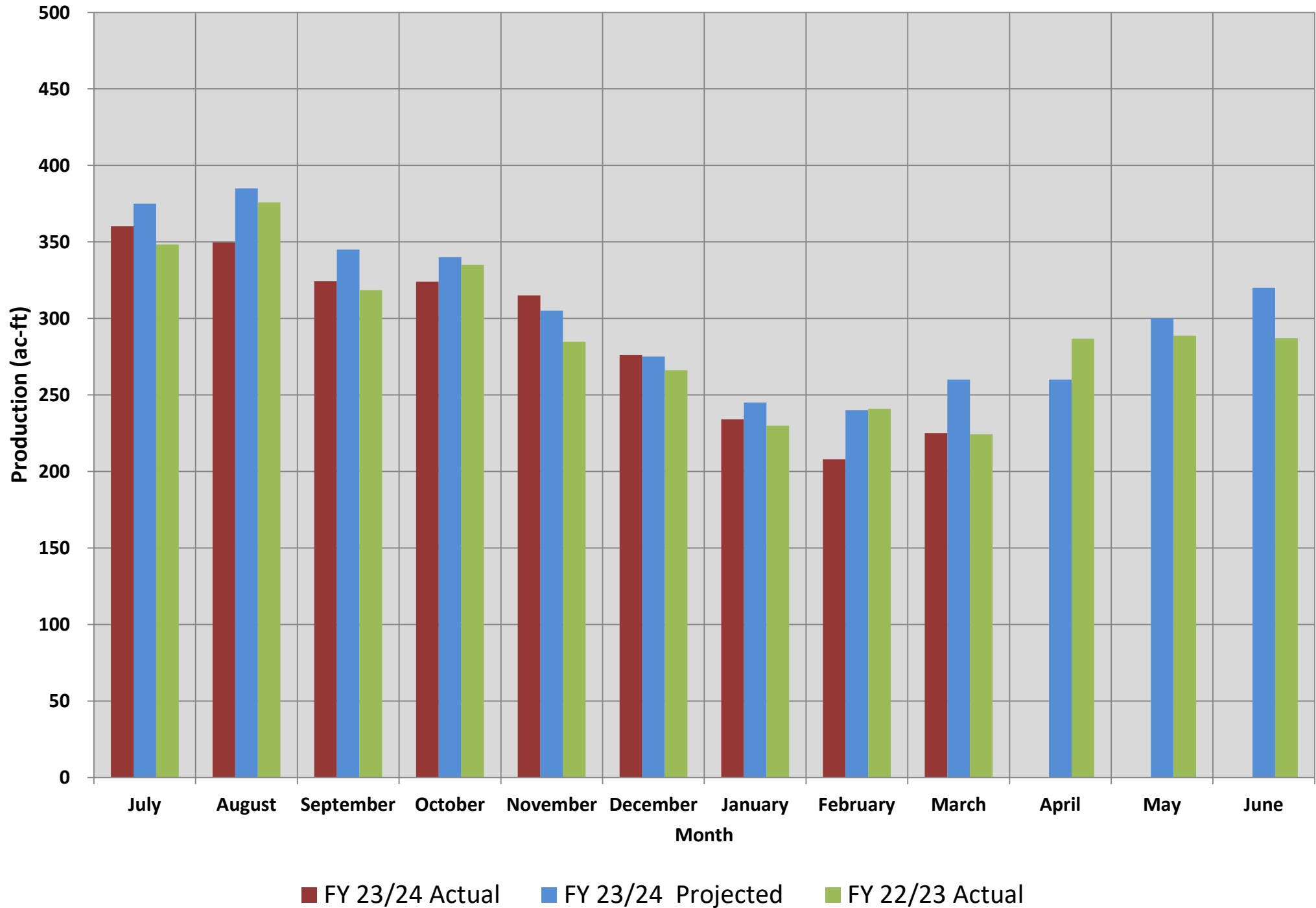
Season-To-Date: 24.00"

2023/24 Fiscal Year Water Production			WY 23/24 - Groundwater Production Water Rights		GWP (Well 16) Water Production - 2024		Purchased Water Production Tier 2 Allocation - 2024	
Month	Actual Total Water Production (ac-ft)	Projected Total Water Production (ac-ft)	Month	Month	Month	Well Production (ac-ft)	Month	Imported Water Production (ac-ft)
July	360	375	October	160	January	13	January	79
August	350	385	November	168	February	13	February	53
September	324	345	December	169	March	14	March	51
October	324	340	January	142	April		April	
November	315	305	February	142	May		May	
December	276	275	March	160	June		June	
January	234	245	April		July		July	
February	208	240	May		August		August	
March	225	260	June		September		September	
April		260	July		October		October	
May		300	August		November		November	
June		320	September		December		December	
Total to Date	2,616	2,770	Total to Date	941	Total to Date	40	Total to Date	183
Projected	3,496	3,650	Water Rights	3,294			Tier 2	2,154
% of Projected	71.7%	75.9%	% of Rights	29%			% of Allocation	8%
Remaining	1,034	880	Remaining	2,353			Remaining	1,971

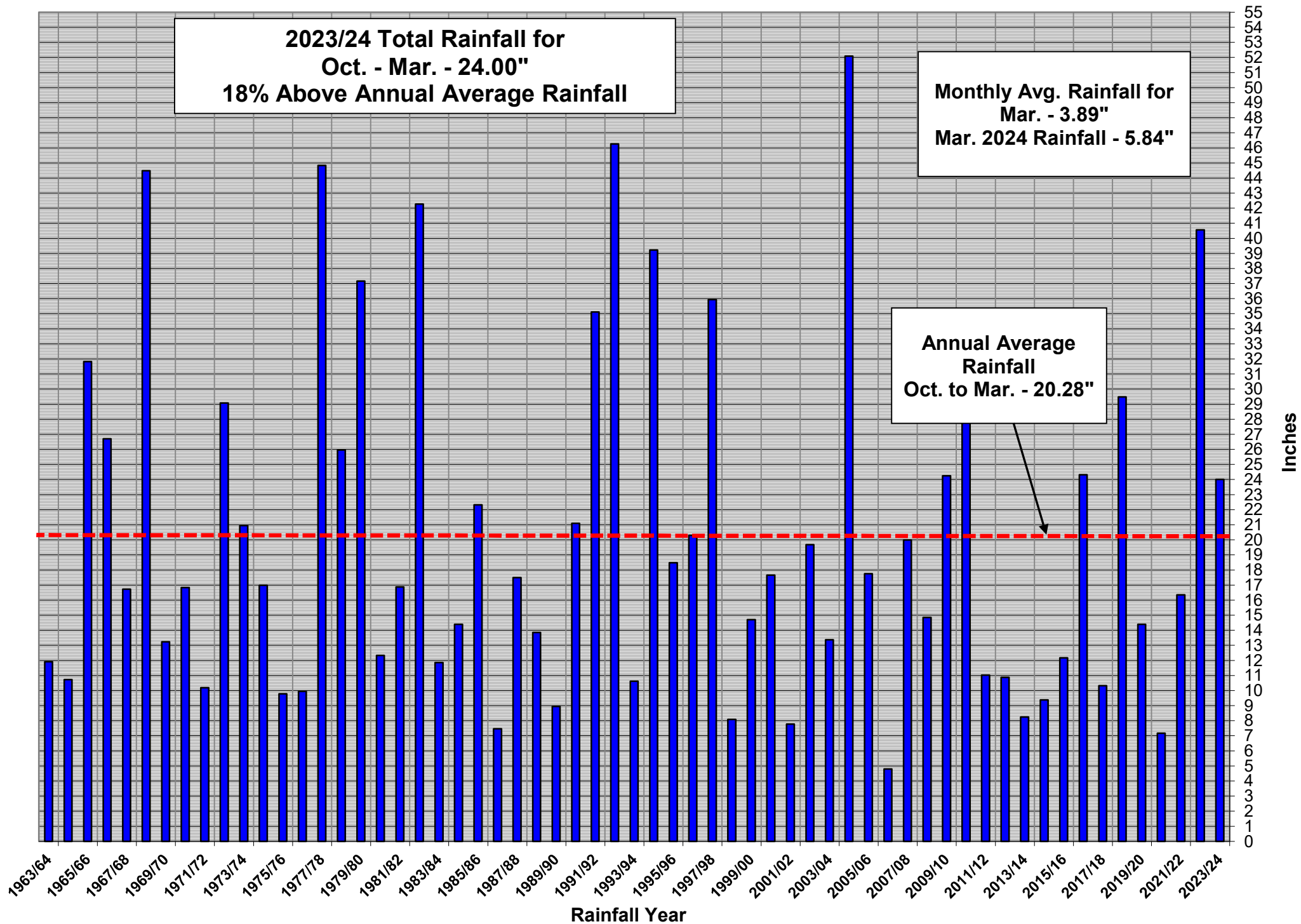
NOTE:

1) Blue Numbers = Estimated Water Production

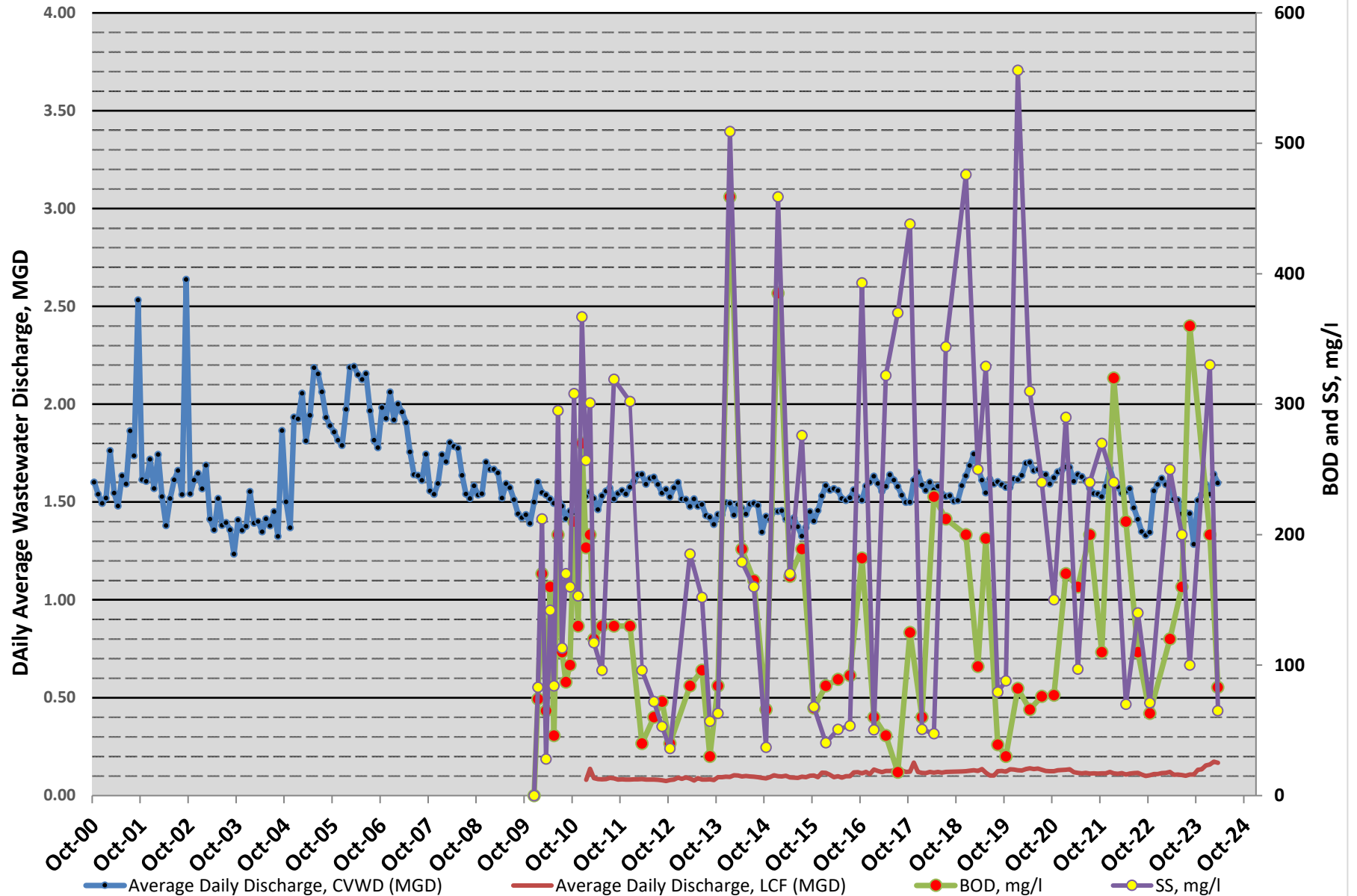
Monthly Water Production: FY 23/24 Actual, FY 23/24 Projected & FY 22/23 Actual



Monthly Rainfall - 1963/64 - 2023/24 (Oct. 1 - Mar. 31)



CVWD Daily Average Wastewater Discharge and Strength
October 1, 2000 - March 31, 2024

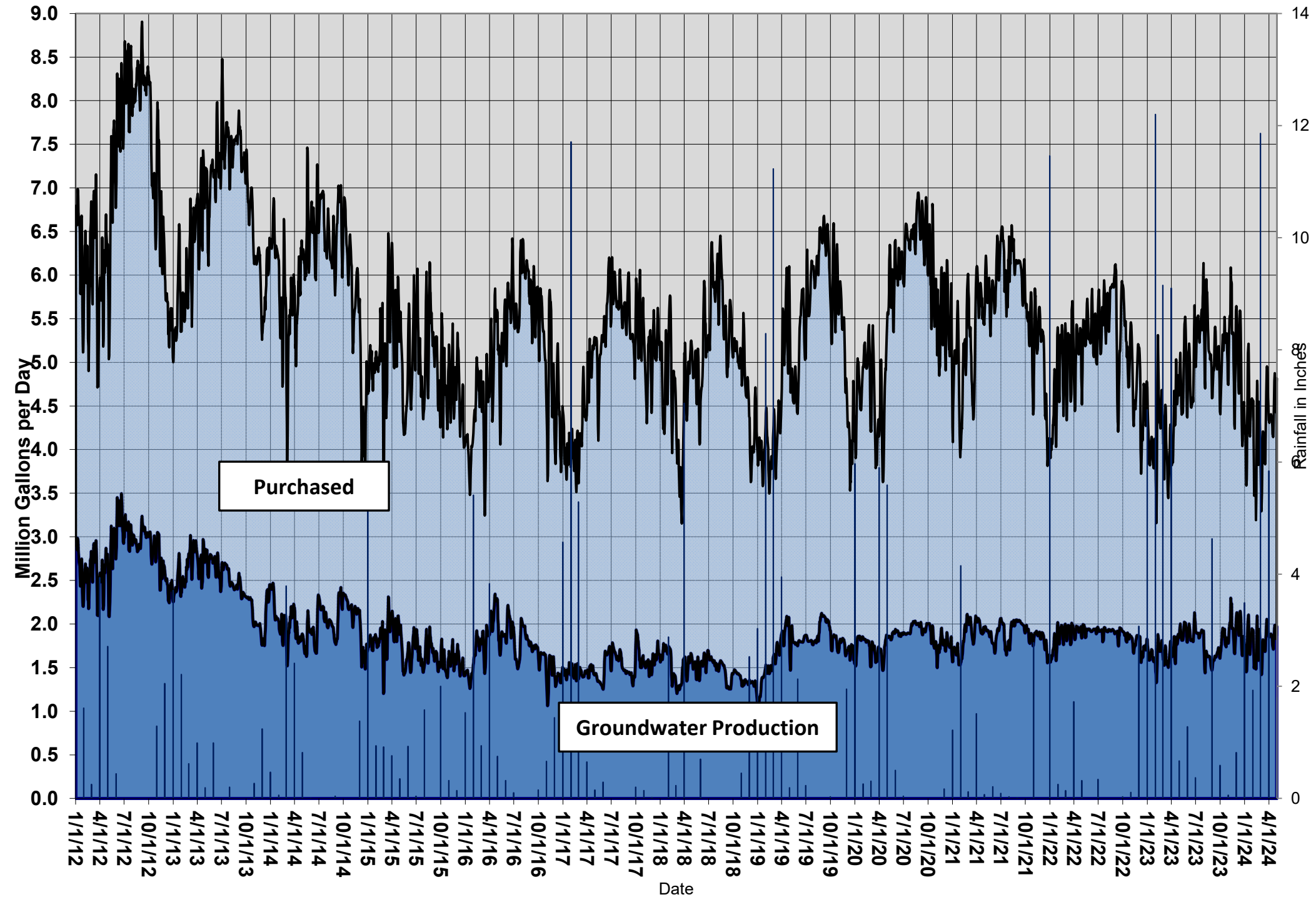


Water Production Chart w/ Rainfall 2012-2024

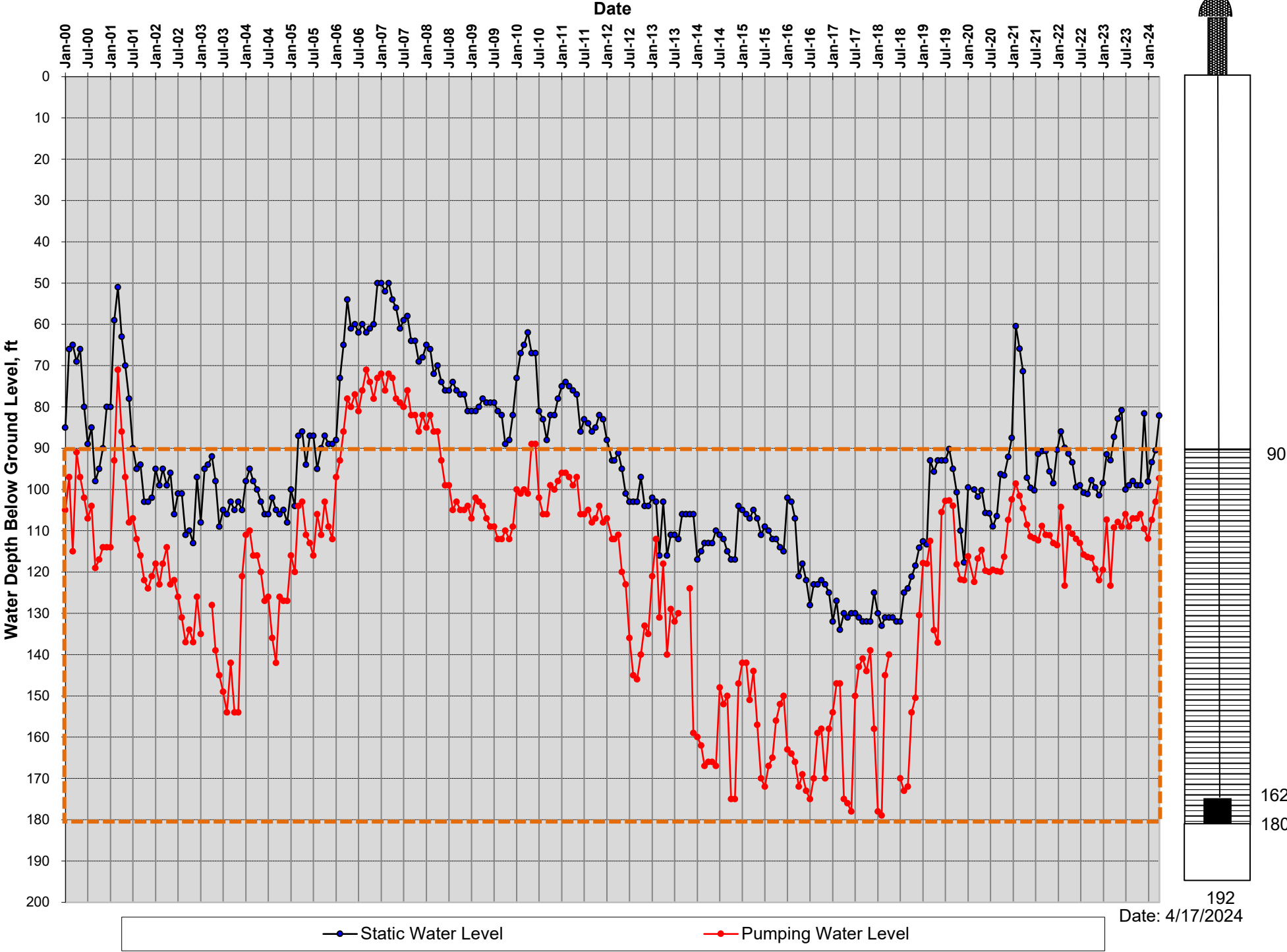
■ Groundwater Production (MGD)

■ Total Water (MGD)

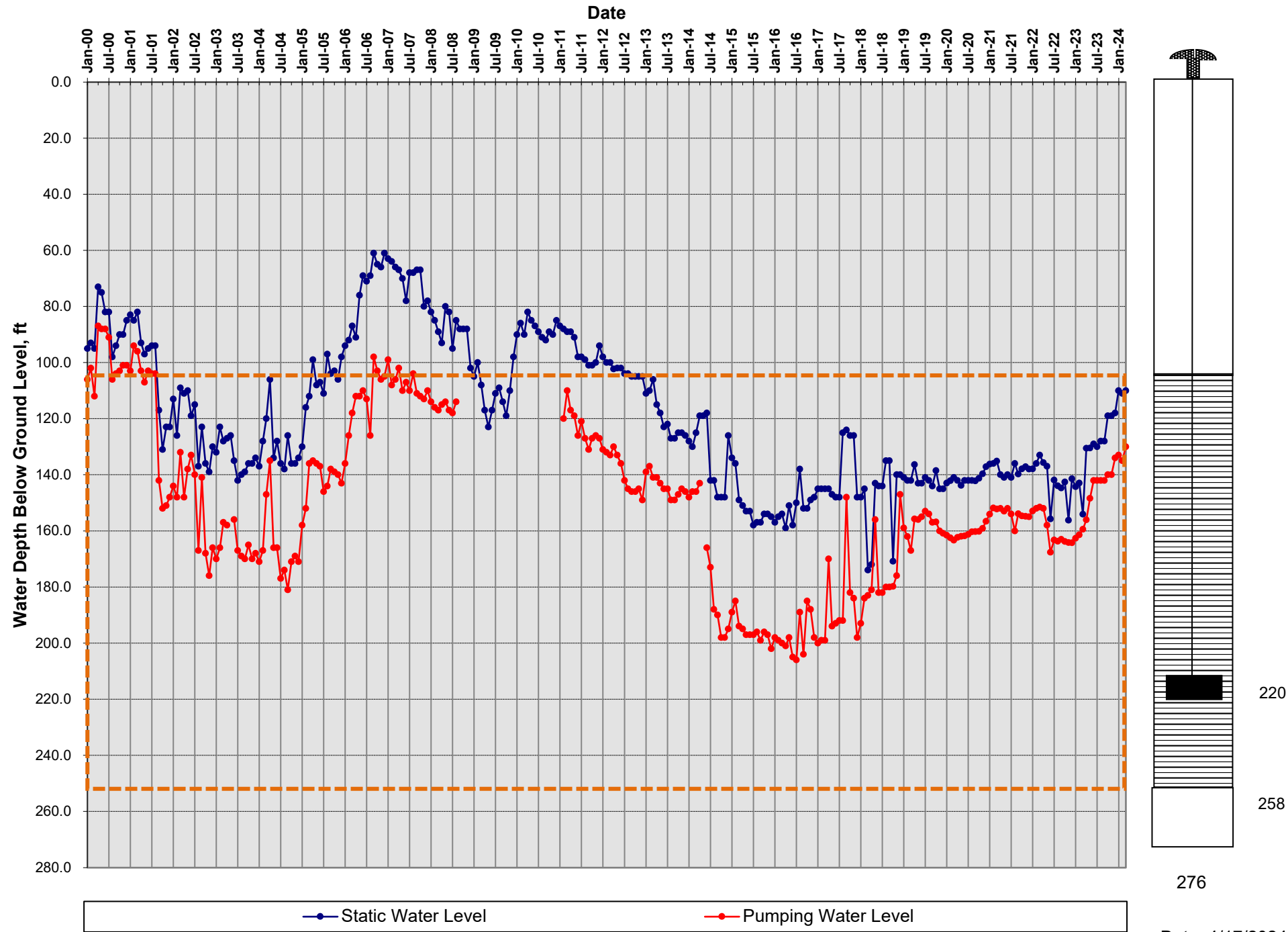
■ Rainfall (in)



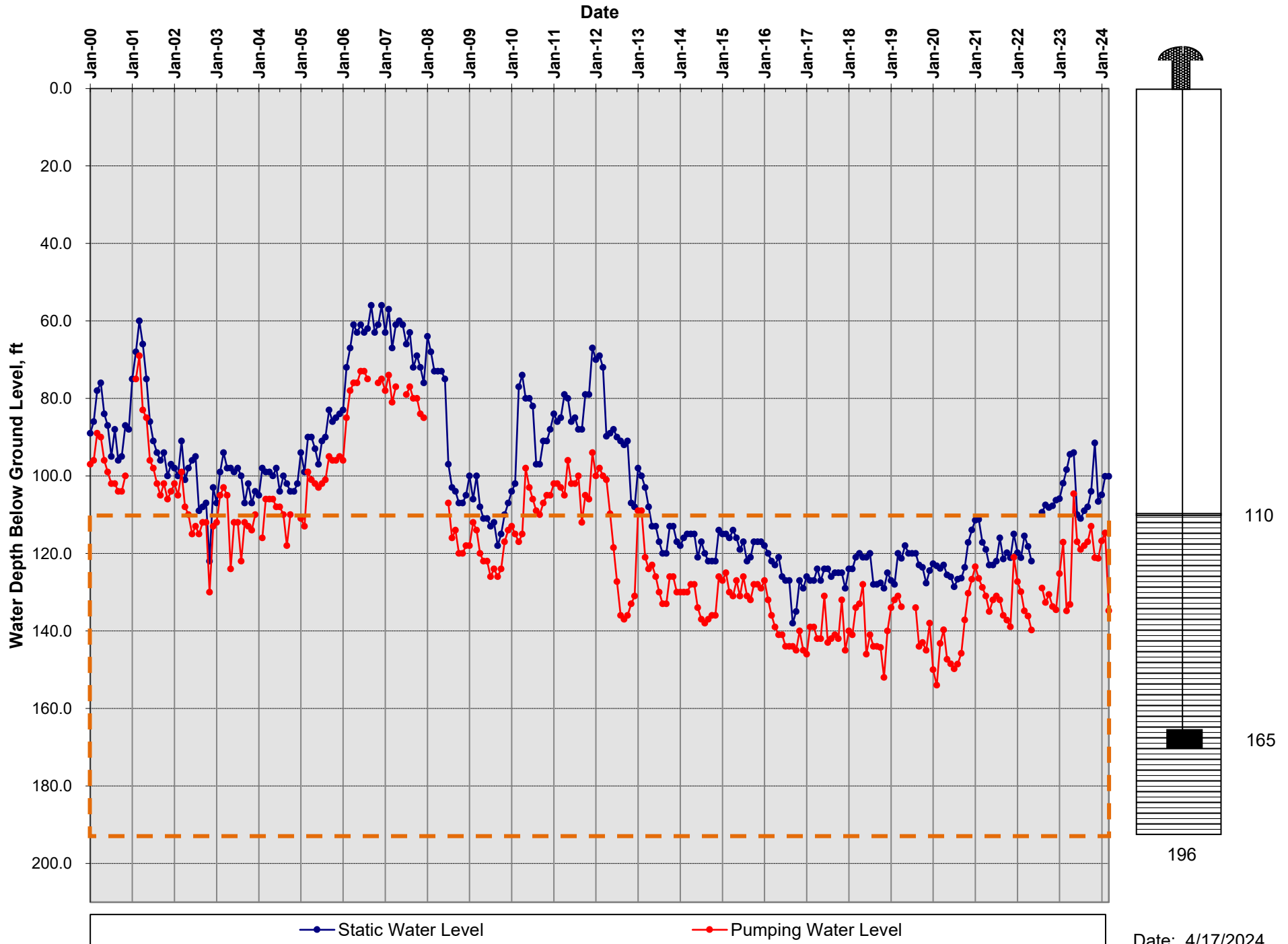
Well 1: January 2000 - March 2024 - Static and Pumping Levels



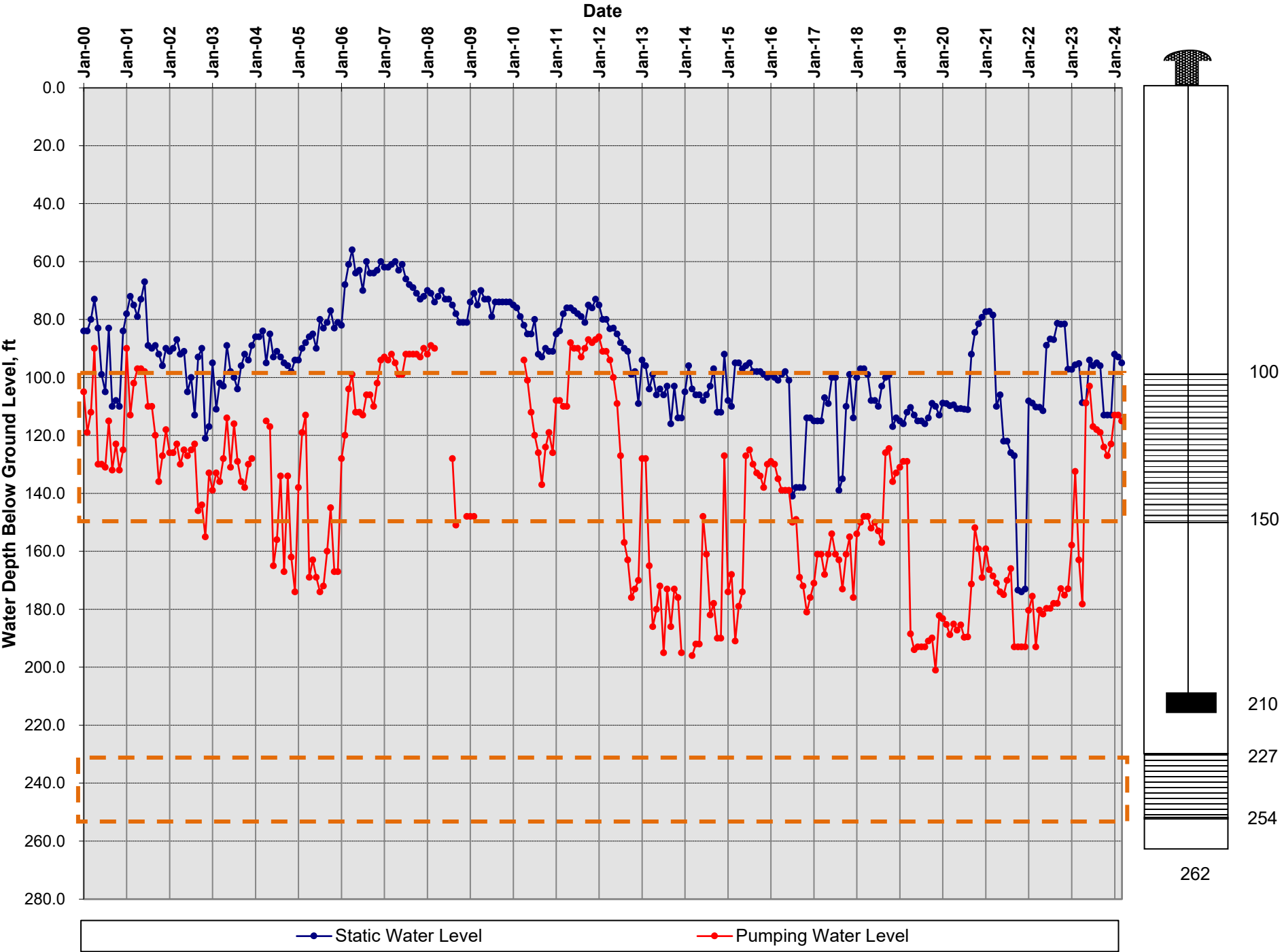
Well 5: January 2000 - March 2024 - Static and Pumping Levels



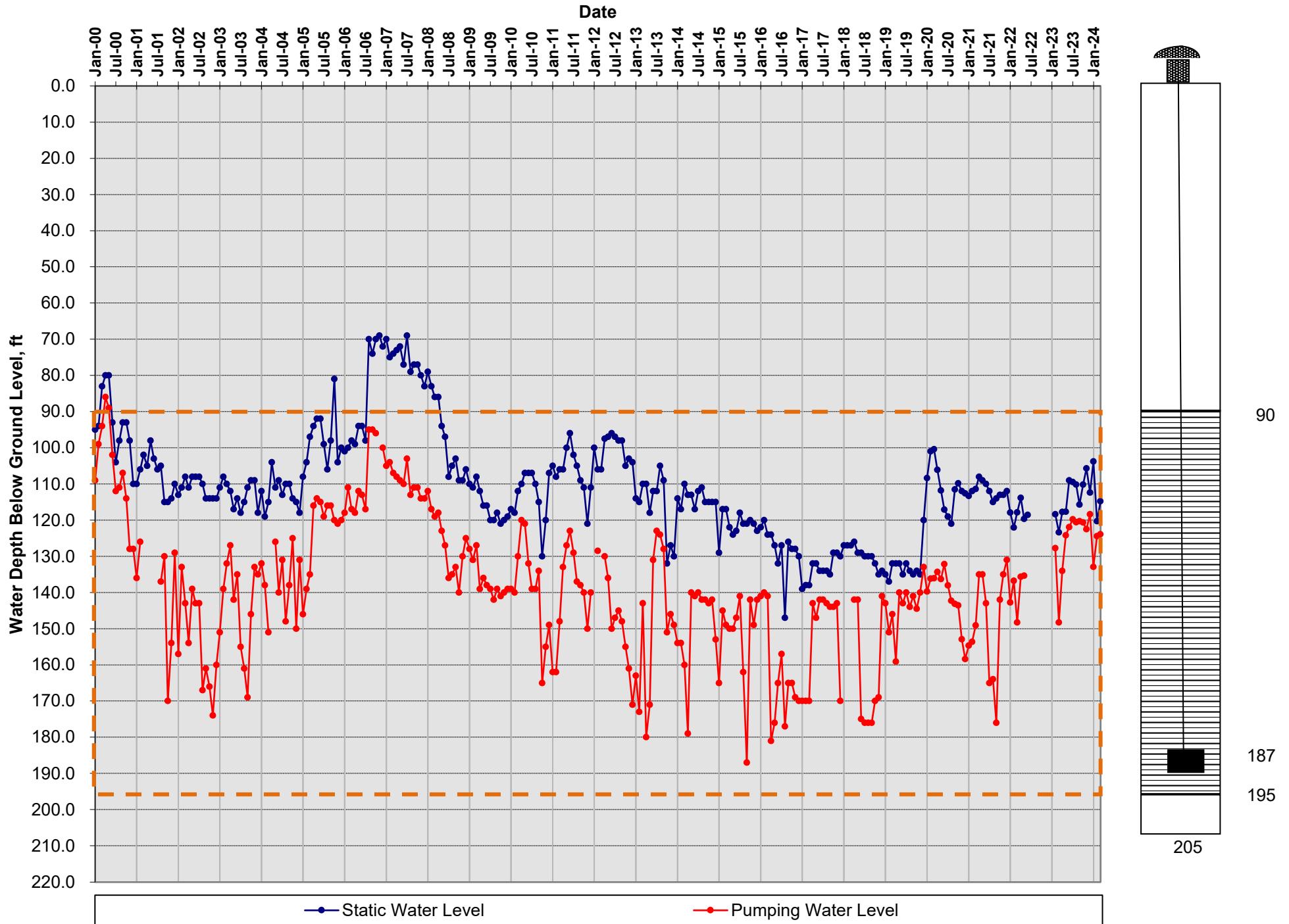
Well 7: January 2000 - March 2024 - Static and Pumping Levels



Well 9: January 2000 - March 2024 - Static and Pumping Levels

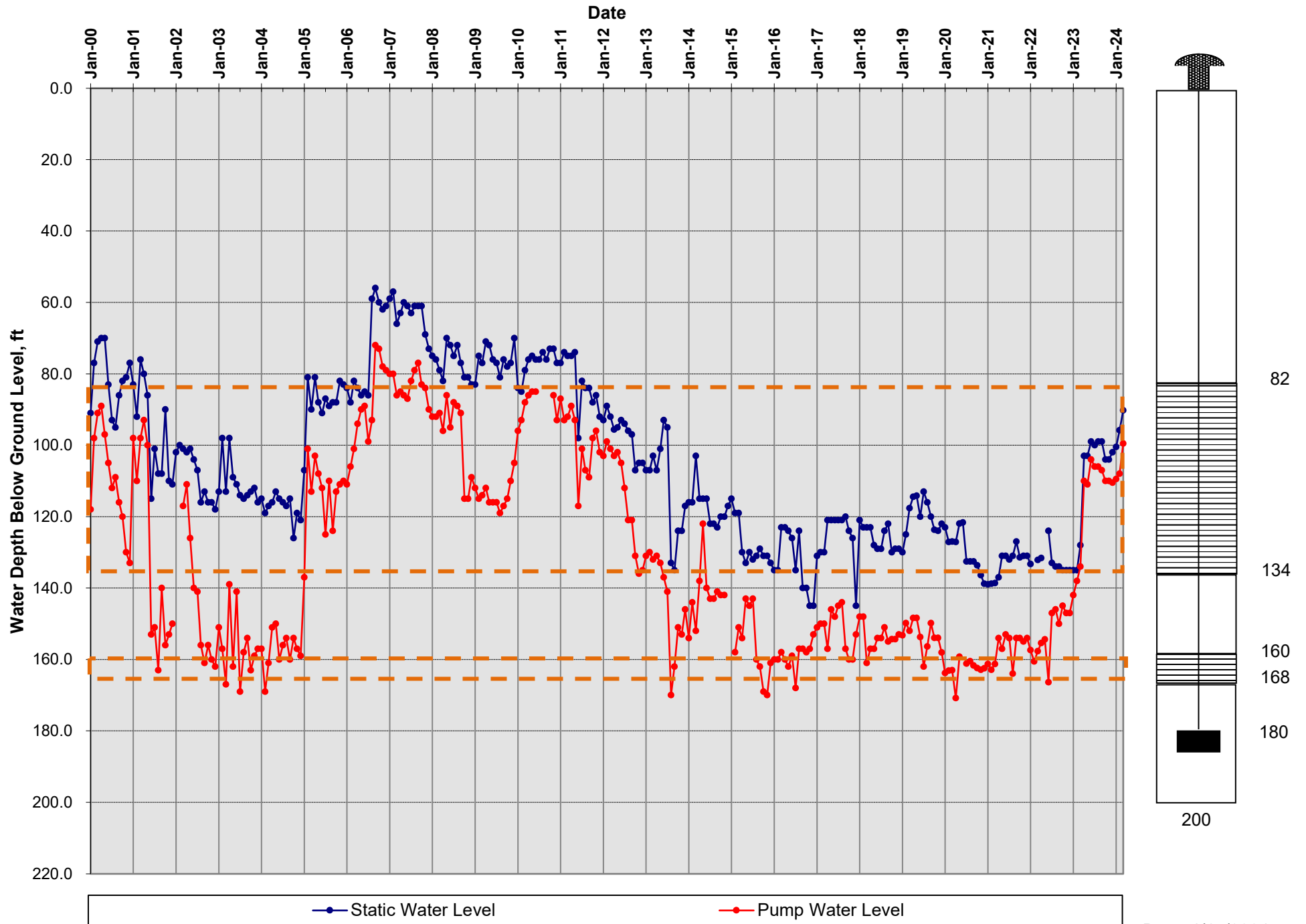


Well 10: January 2000 - March 2024 - Static and Pumping Levels



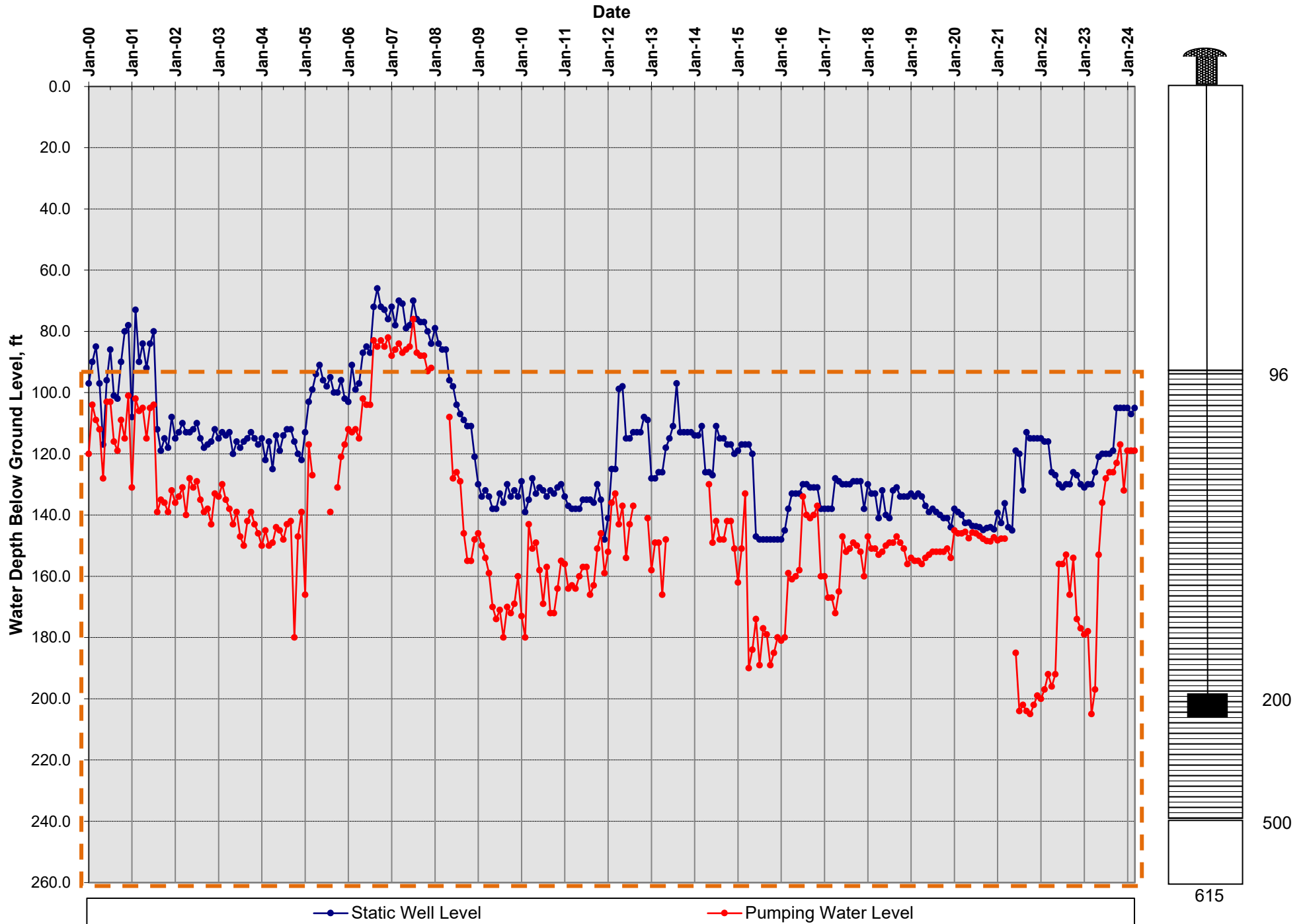
Date: 4/17/2024

Well 11: January 2000 - March 2024 - Static and Pumping Levels



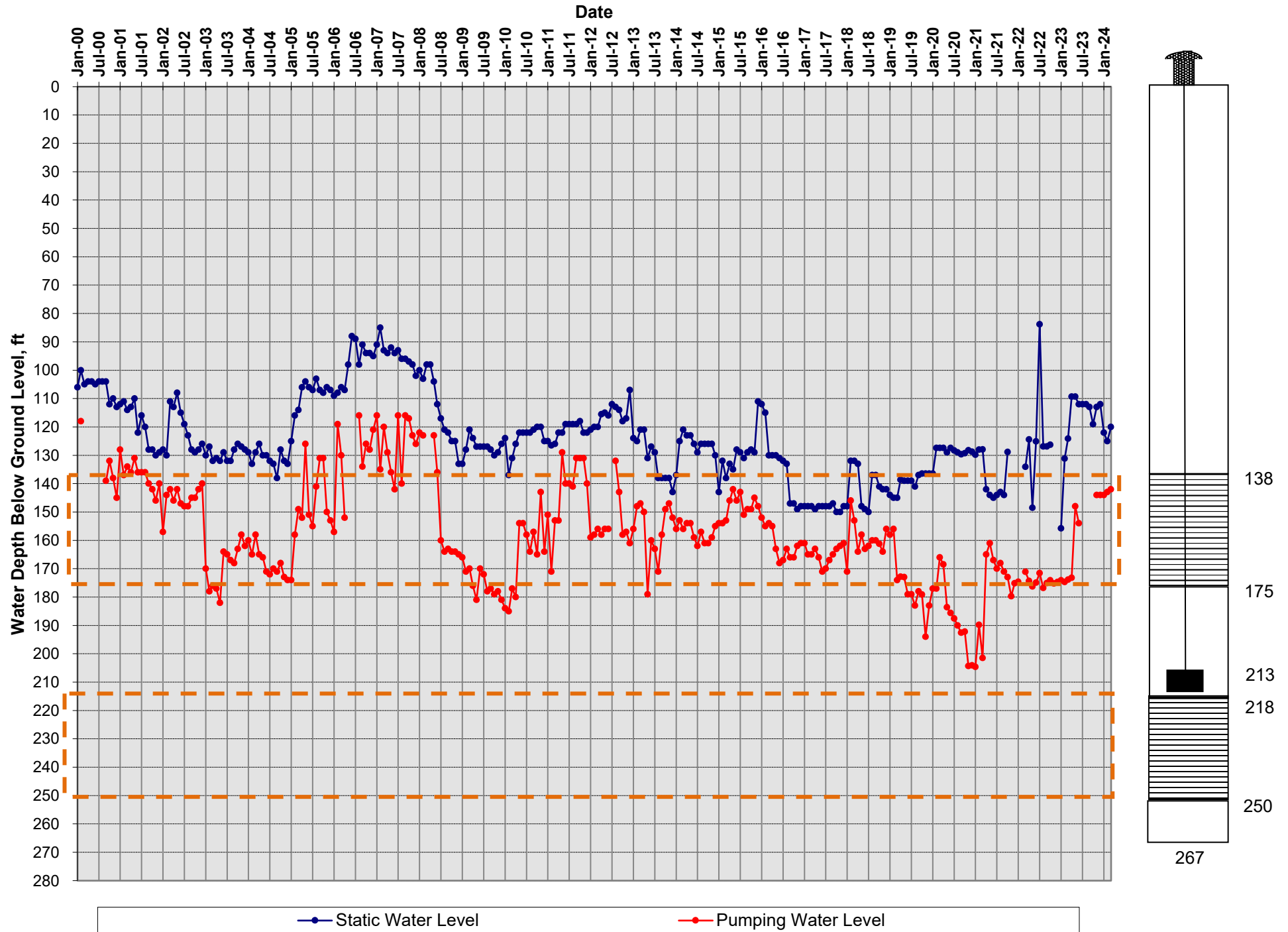
Date: 4/17/2024

Well 12: January 2000 - March 2024 - Static and Pumping Levels



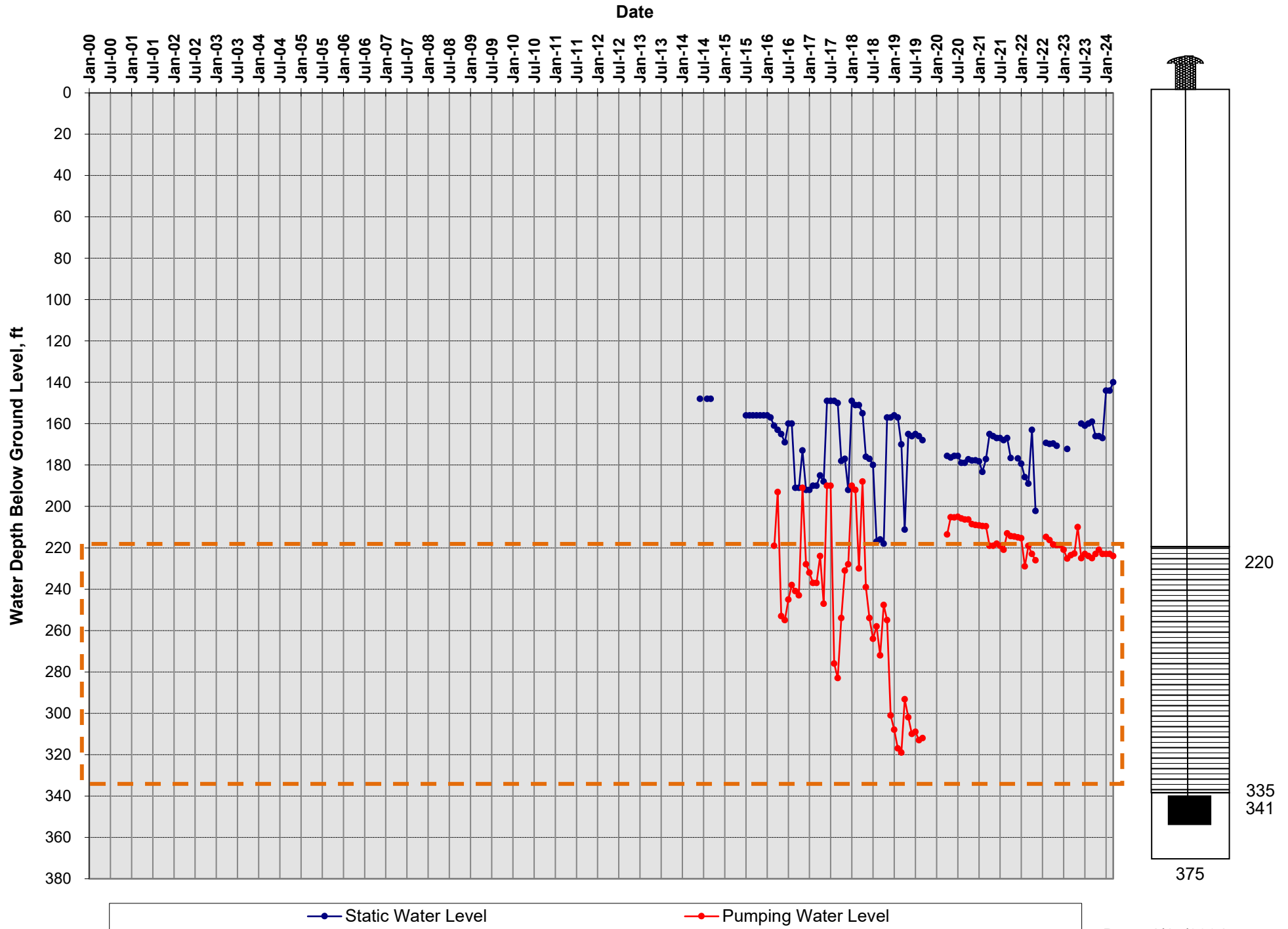
Date: 4/17/2024

Well 14: January 2000 - March 2024 - Static and Pumping Levels



Date: 4/17/2024

Well 16: January 2000 - March 2024 - Static and Pumping Levels



Date: 4/17/2024