

**REGULAR MEETING OF THE
CENTRAL BASIN WATERMASTER
WATER RIGHTS PANEL
PROGRESS PARK
BOARD ROOM
15500 DOWNEY AVE., PARAMOUNT CA 90723**

1:30 PM, THURSDAY, MARCH 14TH 2024

AGENDA

- 1. FLAG SALUTE**
- 2. ROLL CALL**
- 3. PUBLIC COMMENTS**
- 4. CONSENT CALENDAR**

*****Consent Calendar items will be considered and approved in one motion unless removed by a Water Rights Panel Member for discussion.*****

- a. **WATER RIGHTS PANEL MINUTES OF NOVEMBER 9, 2023**
Recommendation: Approve as submitted
- b. **WARRANT REGISTER**
Recommendation: Approve as submitted

*****End of Consent Calendar*****

- 5. TREASURER'S REPORT**
Derek Nguyen – City of Lakewood
- 6. ADMINISTRATIVE BODY REPORT**
Esther Rojas – Water Replenishment District
- Monthly Water Rights Activity Update
- Other Announcements
- 7. ATTORNEY'S REPORT**
James Markman – RWG Law
- 8. SECRETARY'S REPORT**
Jackie Ramirez – Water Replenishment District

- 9. WATER METER TESTING**
Jackie Ramirez – Water Replenishment District
- 10. METER TESTING CONTRACT AMENDMENT**
Water Testing Ad-Hoc Committee
- 11. NOTICE OF 2024 ELECTION**
Toby Moore- Chair, Water Rights Panel
- 12. WRITTEN COMMUNICATIONS**
- 13. AGENDA ITEMS FOR THE JANUARY 11, 2024 WATER RIGHTS PANEL MEETING**
- 14. WATER RIGHTS PANEL MEMBER COMMENTS**

The next regular meeting of the Central Basin Watermaster Water Rights Panel will be on Thursday, May 9th, 2024, 1:30 PM, Progress Park Board Room, 15500 Downey Ave., Paramount, CA 90723

AGENDA ITEM 4A

MINUTES OF THE REGULAR MEETING OF THE CENTRAL BASIN WATERMASTER WATER RIGHTS PANEL

PROGRESS PARK, BOARD ROOM
15500 DOWNEY AVE PARAMOUNT CA

1:30 P.M, THURSDAY, NOVEMBER 9TH, 2023

Chair Moore called the meeting of the Central Basin Watermaster Water Rights Panel to order at 1:30 pm.

1. PLEDGE OF ALLEGIANCE

Chair Moore led the pledge of allegiance.

2. ROLL CALL

Panel Members

Steve Lenton	Bellflower-Somerset Mutual Water Company
Dan Mueller	City of Downey (joined during item no. 7)
Derek Nguyen	City of Lakewood
Anatole Falagan	City of Long Beach
Adriana Figueroa	City of Paramount
Thomas Bekele	City of Signal Hill (Absent)
Toby Moore	Golden State Water Company

Also Present

Jim Markman	RWG Law
Jackie Ramirez	Water Replenishment District (Secretary)
Esther Rojas	Water Replenishment District
Asha Kreiling	Water Replenishment District

3. PUBLIC COMMENTS

No public comments were received.

4. CONSENT CALENDAR

Chair Moore entertained a motion to approve Item 4. The motion was made by Panel Member Figueroa and seconded by Panel Member Lenton.

Item 4a on the consent calendar was approved by a unanimous voice vote of 4 ayes, 1 abstention from Vice Chair Falagan, and 0 no's on item 4b (4-1-0).

Item 4b on the consent calendar was approved by a unanimous voice vote of 5 ayes, 0 abstentions, and 0 no's on item 4b (5-0-0).

5. TREASURER'S REPORT

Treasurer Nguyen presented the Treasurer's Report.

The Water Replenishment District's summary reports showed the activities from Fiscal Year from July 1, 2023 to October 23, 2023. As of October 23, payments totaling \$15,499.69 were processed leaving a balance of \$655,761.43.

The CBWRP summary tables showed payments broken down into four types of services: Administrative Services, Meter Testing, Legal Services, and Miscellaneous. For the 2023-2024 Fiscal Year, September and October payments totaled \$17,571.02, bringing the overall 2023-2024 Fiscal Year expenditures to \$929.48; the current account balance is \$150,970.52 approximately 99.4% of the total budget.

Chair Moore entertained a motion to receive and file the Treasurer's Report. The motion was made by Panel Member Figueroa and seconded by Vice Chair Falagan.

The motion was approved by a unanimous voice vote of 5 ayes, 0 abstentions, and 0 no's (5-0-0).

6. ADMINISTRATIVE BODY REPORT

Esther Rojas provided an update on the status of the Administrative Body.

2023 – 2024 Groundwater Pumping

For Administrative Year (AY) 2023-2024 through the end of September, Central Basin groundwater pumping including storage withdrawals was 42,595.92 acre-feet (af), which is 8.7% less than the same period in the previous AY. The decrease can be attributed to the increase in precipitation.

2023 – 2024 Storage Activity

For Administrative Year (AY) 2023-2024 a total of 10,848.19 af have been withdrawn from storage

2023 – 2024 Water Rights Activity

For AY 2023-2024 through November 1st, there were 28 leases processed transferring 14,713.57 af of rights, of which 23 leases are with flex and 5 leases without flex.

There were 3 sale transactions transferring a total of 95.00 af in AY 2023-2024.

Watermaster Budget

Ms. Rojas announced that the staff is working on closing out the Watermaster invoices for AY 2023-2024. There are still a few outstanding balances and parties have been contacted via email and calls. Parties such as City of Montebello and LA County Rancho Los Amigos are a couple of the larger outstanding balances but have confirmed payment is on the way.

Other Announcements

Staff completed the draft 2022-2023 annual watermaster report. Further questions and comments regarding the annual report will be discussed in item 10.

Chair Moore entertained a motion to receive and file the Administrative Body Report. The motion was made by Panel Member Figueroa and seconded Panel Member Lenton.

The motion was approved by a unanimous voice vote of 5 ayes, 0 abstentions, and 0 no's (5-0-0)

7. ATTORNEY'S REPORT

Attorney Markman reported on the issues and litigation occurring throughout the state due to SGMA plans.

8. SECRETARY'S REPORT

Secretary Ramirez reported that staff will email Treasurer Nguyen an administrative services invoice in the upcoming weeks.

9. WATER METER TESTING

Secretary Ramirez did not have any meter testing reports this time but stated that DWR began meter testing again in September and the Panel should expect meter test reports in the next agenda.

10. 2022-2023 WATERMASTER ANNUAL REPORT

Ms. Rojas stated that the draft annual watermaster report was emailed to all stakeholders on October 6th and requested that comments be submitted by November 3rd. A reminder was also sent on October 23rd. A few items were updated since the report was sent, such as imported water totals received by San Gabriel Valley Water Company, which typically provided after the draft is sent out for review. The well number for the City of Vernon was also updated. There were not many significant changes other than that.

Chair Moore stated that the report was very well written and how he has often provided comments in the past but had zero comments on the report this time.

Ms. Rojas stated that staff worked very hard to ensure minimal errors.

Chair Moore entertained a motion to approve the 2022-2023 annual watermaster report. The motion was made by Panel Member Figueroa and seconded Panel Member Lenton.

The motion was approved by a unanimous voice vote of 6 ayes, 0 abstentions, and 0 no's (6-0-0). The final report will be provided to Mr. Markman for filing with the court.

11. WRITTEN COMMUNICATIONS

None.

12. AGENDA ITEMS FOR THE JANUARY 11, 2024 WATER RIGHTS PANEL MEETING

Chair Moore will not be available for the January 11th meeting, so the meeting will be cancelled. The next regularly scheduled meeting is March 14, 2024.

13. WATER RIGHTS PANEL MEMBER COMMENTS

Regular Meeting was adjourned at 1:46 pm.

CHAIRMAN

ATTEST:

SECRETARY

AGENDA ITEM 4B

ITEM 4b

Central Basin Watermaster Water Rights Panel

Invoice Register

March 14, 2024

<u>Vendor Name</u>	<u>Description</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>Amount</u>
Richards, Watson, Gershon	General Legal Services to the Water Rights Panel – November 2023	245526	12/8/2023	\$1,131.43
Richards, Watson, Gershon	General Legal Services to the Water Rights Panel – December 2023	245988	1/12/2024	\$69.17
CA Dept. of Water Resources	Well Meter Testing – September 2023	1086	10/15/2023	\$600.00
CA Dept. of Water Resources	Well Meter Testing – October 2023	1087	11/3/2023	\$5,400.00
CA Dept. of Water Resources	Well Meter Testing – November 2023	1088	12/4/2023	\$6,600.00
CA Dept. of Water Resources	Well Meter Testing – December 2023	1089	12/20/2023	\$5,400.00
CA Dept. of Water Resources	Well Meter Testing – January 2024	1090	2/2/2024	\$6,000.00
Water Replenishment District	Administrative Services to Panel- July-October 2023	PAS231205	12/5/2023	\$2,721.00
			TOTAL	\$27,921.60



T 213.626.8484
 F 213.626.0078
 Fed. I.D. No. 95-3292015

350 South Grand Avenue
 37th Floor
 Los Angeles, CA 90071

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CENTRAL BASIN WATER RIGHTS PANEL
 C/O DEREK NGUYEN, DIRECTOR OF WATER
 RESOURCES
 CITY OF LAKEWOOD
 5050 CLARK AVENUE
 LAKEWOOD, CA 90712

Invoice Date: December 08, 2023
 Invoice Number: 245526
 Matter Number: 12902-0001

Re: 12902-0001 GENERAL LEGAL SERVICES TO WATER RIGHTS PANEL

For professional services rendered through November 30, 2023

Time Detail

<u>Date</u>	<u>Initials</u>	<u>Description</u>	<u>Hours</u>
11/06/23	JLM	REVIEW PANEL MEETING AGENDA	0.50
11/09/23	JLM	ATTEND PANEL MEETING	2.00
11/13/23	BTK	REVIEW ANNUAL WATER REPORT FOR 7-1-22 TO 6-30-23 WATER YEAR; PREPARE NOTICE OF LODGMENT OF CENTRAL BASIN ANNUAL REPORT FOR JULY 1, 2022 TO JUNE 30, 2023 PERIOD; COORDINATE E-FILING AND SERVICE OF PROCESS	0.70
Total			3.20

Timekeeper Summary

<u>Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
B. TILDEN KIM	0.70	300.00	210.00
JAMES L. MARKMAN	2.50	350.00	875.00
Total	3.20		\$1,085.00

Client: CENTRAL BASIN WATER RIGHTS PANEL
Matter: GENERAL LEGAL SERVICES TO WATER
RIGHTS PANEL

Invoice Date:
Invoice Number:
Matter Number:

December 08, 2023
245526
12902-0001

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Cost Detail

<u>Date</u>	<u>Description</u>	<u>Amount</u>
11/09/23	JAMES L. MARKMAN - MILEAGE - 11/9/23	29.48
11/16/23	DUPLICATION PRINT ATTACHMENTS FROM AN EMAIL FOR AUDREY POWELL	16.95
Total		\$46.43

Client: CENTRAL BASIN WATER RIGHTS PANEL
Matter: GENERAL LEGAL SERVICES TO WATER RIGHTS PANEL

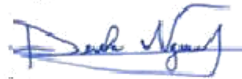
Invoice Date: December 08, 2023
Invoice Number: 245526
Matter Number: 12902-0001

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Current Legal Fees.....	\$1,085.00
Current Client Costs Advanced.....	\$46.43
Total Current Fees and Costs.....	\$1,131.43

Approved:



Derek Nguyen, Director of Water Resources

12-12-23
Date



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CENTRAL BASIN WATER RIGHTS PANEL
C/O DEREK NGUYEN, DIRECTOR OF WATER
RESOURCES
CITY OF LAKEWOOD
5050 CLARK AVENUE
LAKEWOOD, CA 90712

Invoice Date: December 08, 2023
Invoice Number: 245526
Matter Number: 12902-0001

Re: 12902-0001 GENERAL LEGAL SERVICES TO WATER RIGHTS PANEL

For professional services rendered through November 30, 2023

Fees	1,085.00
Costs	46.43
Total Amount Due	\$1,131.43

Approved:

Derek Nguyen, Director of Water Resources

Date

TERMS: PAYMENT DUE UPON RECEIPT

PLEASE RETURN THIS PAGE WITH YOUR REMITTANCE TO

RICHARDS, WATSON & GERSHON
350 South Grand Avenue, 37th Floor
Los Angeles, CA 90071



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CENTRAL BASIN WATER RIGHTS PANEL
C/O DEREK NGUYEN, DIRECTOR OF WATER
RESOURCES
CITY OF LAKEWOOD
5050 CLARK AVENUE
LAKEWOOD, CA 90712

Invoice Date: January 12, 2024
Invoice Number: 245988
Matter Number: 12902-0001

Re: 12902-0001 GENERAL LEGAL SERVICES TO WATER RIGHTS PANEL

For professional services rendered through December 31, 2023

Cost Detail

<u>Date</u>	<u>Description</u>	<u>Amount</u>
12/12/23	JAMES L. MARKMAN - MILEAGE - 12/12/23	9.17
12/21/23	FIRST LEGAL NETWORK, LLC - ATTORNEY SERVICE - E-FILING/LASC-CCW 11/15/23	30.00
12/21/23	FIRST LEGAL NETWORK, LLC - ATTORNEY SERVICE - E-FILING/LASC-CCW 11/14/23	30.00
Total		\$69.17

Client: CENTRAL BASIN WATER RIGHTS PANEL
Matter: GENERAL LEGAL SERVICES TO WATER
RIGHTS PANEL

Invoice Date:
Invoice Number:
Matter Number:

January 12, 2024
245988
12902-0001

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Current Legal Fees	\$0.00
Current Client Costs Advanced	\$69.17
Total Current Fees and Costs.....	\$69.17



T 213.626.8484
F 213.626.0078
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CENTRAL BASIN WATER RIGHTS PANEL
C/O DEREK NGUYEN, DIRECTOR OF WATER
RESOURCES
CITY OF LAKEWOOD
5050 CLARK AVENUE
LAKEWOOD, CA 90712

Invoice Date: January 12, 2024
Invoice Number: 245988
Matter Number: 12902-0001

Re: 12902-0001 GENERAL LEGAL SERVICES TO WATER RIGHTS PANEL

For professional services rendered through December 31, 2023

Fees	0.00
Costs	69.17
Total Amount Due	\$69.17

Approved:

Derek Nguyen, Director of Water Resources

01-12-2024

Date

TERMS: PAYMENT DUE UPON RECEIPT

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CALIFORNIA DEPARTMENT OF WATER RESOURCES
Southern Region Office

INVOICE No. 1086

Sold to: Central Basin Water Rights Panel **Date:** 10/15/2023

Company: Central Basin Water Rights Panel


Address: c/o Water Replenishment District, 4040 Paramount Blvd.

City, State, Zip: Lakewood, CA 90712

Phone: (562) 989-7351 **Fax:** _____

Invoice issued by: Abi Aderonmu Phone: 818-621-5728

Description of Service Provided				
Date	Quantity	Item	Unit Cost	Total Cost
9/11/23 - 9/15/23	2	Meter Tests in Central Basin, September, 2023	\$300.00	\$600.00
TOTAL AMOUNT DUE				\$600.00

Comments:	Project:	Water Meter Testing Services in the Central Basin		
		DWR Contract #333182		
	Customer No.:	400550	Approved:	
				11.07.2023
			Derek Nguyen, Director of Water Resources	Date

Payment Instructions

Please :

- * Make your check payable to the Department of Water Resources
- * Return a copy of this invoice with your payment

Mail the items to: Department of Water Resources
Attn: Cashier
PO Box 942836
Sacramento, CA. 94236-0001

CALIFORNIA DEPARTMENT OF WATER RESOURCES
Southern Region Office

INVOICE No. 1087

Sold to: Central Basin Water Rights Panel **Date:** 11/3/2023

Company: Central Basin Water Rights Panel


Address: c/o Water Replenishment District, 4040 Paramount Blvd.

City, State, Zip: Lakewood, CA 90712

Phone: (562) 989-7351 **Fax:** _____

Invoice issued by: Abi Aderonmu Phone: 818-621-5728

Description of Service Provided				
Date	Quantity	Item	Unit Cost	Total Cost
10/2/23 - 10/6/23	5	Meter Tests in Central Basin, October, 2023	\$300.00	\$1,500.00
10/16/23 - 10/20/23	7	Meter Tests in Central Basin, October, 2023	\$300.00	\$2,100.00
10/23/23 - 10/27/23	6	Meter Tests in Central Basin, October, 2023	\$300.00	\$1,800.00
TOTAL AMOUNT DUE				\$5,400.00

Comments:	Project:	Water Meter Testing Services in the Central Basin DWR Contract #333182		
	Customer No.:	400550	Approved:	
				11.07.2023
			Derek Nguyen, Director of Water Resources	Date

Payment Instructions

Please :

- * Make your check payable to the Department of Water Resources
- * Return a copy of this invoice with your payment

Mail the items to: Department of Water Resources
Attn: Cashier
PO Box 942836
Sacramento, CA. 94236-0001

CALIFORNIA DEPARTMENT OF WATER RESOURCES

Southern Region Office

INVOICE No. 1088

Sold to: Central Basin Water Rights Panel **Date:** 12/4/2023

Company: Central Basin Water Rights Panel


Address: c/o Water Replenishment District, 4040 Paramount Blvd.

City, State, Zip: Lakewood, CA 90712

Phone: (562) 989-7351 **Fax:** _____

Invoice issued by: Abi Aderonmu Phone: 818-621-5728

Description of Service Provided				
Date	Quantity	Item	Unit Cost	Total Cost
11/1/23 - 11/3/23	3	Meter Tests in Central Basin, November, 2023	\$300.00	\$900.00
11/6/23 - 11/10/23	16	Meter Tests in Central Basin, November, 2023	\$300.00	\$4,800.00
11/13/23 - 11/17/23	3	Meter Tests in Central Basin, November, 2023	\$300.00	\$900.00
TOTAL AMOUNT DUE				\$6,600.00

Comments:	Project:	Water Meter Testing Services in the Central Basin DWR Contract #333182		
	Customer No.:	400550	Approved:	
				
			Derek Nguyen, Director of Water Resources	<u>12-12-23</u> Date

Payment Instructions

Please :

- * Make your check payable to the Department of Water Resources
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Mail the items to: Department of Water Resources
Attn: Cashier
PO Box 942836
Sacramento, CA. 94236-0001

CALIFORNIA DEPARTMENT OF WATER RESOURCES
Southern Region Office

INVOICE No. 1089

Sold to: Central Basin Water Rights Panel **Date:** 12/20/2023

Company: Central Basin Water Rights Panel

Address: c/o Water Replenishment District, 4040 Paramount Blvd.

City, State, Zip: Lakewood, CA 90712

Phone: (562) 989-7351 **Fax:** _____

Invoice issued by: Abi Aderonmu Phone: 818-621-5728

Description of Service Provided				
Date	Quantity	Item	Unit Cost	Total Cost
12/04/23 - 12/08/23	7	Meter Tests in Central Basin, December, 2023	\$300.00	\$2,100.00
12/11/23 - 12/15/23	7	Meter Tests in Central Basin, December, 2023	\$300.00	\$2,100.00
12/18/23 - 12/22/23	4	Meter Tests in Central Basin, December, 2023	\$300.00	\$1,200.00
			\$300.00	
			\$300.00	
TOTAL AMOUNT DUE				\$5,400.00

Comments:	Project:	Water Meter Testing Services in the Central Basin DWR Contract #333182	
	Customer No.:	400550	Approved:
			
		Derek Nguyen, Director of Water Resources	<u>12-21-2023</u> Date

Payment Instructions

Please :

- * Make your check payable to the Department of Water Resources
- * Return a copy of this invoice with your payment

Mail the items to: Department of Water Resources
Attn: Cashier
PO Box 942836
Sacramento, CA. 94236-0001

CALIFORNIA DEPARTMENT OF WATER RESOURCES

Southern Region Office

INVOICE No. 1090

Sold to: Central Basin Water Rights Panel **Date:** 2/2/2024

Company: Central Basin Water Rights Panel

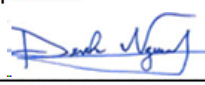
Address: c/o Water Replenishment District, 4040 Paramount Blvd.

City, State, Zip: Lakewood, CA 90712

Phone: (562) 989-7351 **Fax:** _____

Invoice issued by: Abi Aderonmu Phone: 818-621-5728

Description of Service Provided				
Date	Quantity	Item	Unit Cost	Total Cost
1/8/24 - 1/12/24	11	Meter Tests in Central Basin, January, 2024	\$300.00	\$3,300.00
1/15/24 - 1/19/24	4	Meter Tests in Central Basin, January, 2024	\$300.00	\$1,200.00
1/22/24 - 1/26/24	5	Meter Tests in Central Basin, January, 2024	\$300.00	\$1,500.00
			\$300.00	
			\$300.00	
TOTAL AMOUNT DUE				\$6,000.00

Comments:	Project:	Water Meter Testing Services in the Central Basin DWR Contract #333182		
	Customer No.:	400550	Approved:	
				
			Derek Nguyen, Director of Water Resources	<u>2-12-2024</u> Date

Payment Instructions

Please :

- * Make your check payable to the Department of Water Resources
- * Return a copy of this invoice with your payment

Mail the items to: Department of Water Resources
Attn: Cashier
PO Box 942836
Sacramento, CA. 94236-0001



INVOICE

4040 Paramount Blvd
Lakewood, CA 90712
Phone: (562) 275-4300

BILL TO

Central Basin Water Rights Panel
Water Replenishment District
4040 Paramount Blvd
Lakewood, CA 90712
(562) 275-4300

INVOICE # DATE

PAS231205 12/5/2023

DESCRIPTION	QTY	UNIT PRICE	AMOUNT
Central Basin Water Rights Panel Administrative Services - July 28 2023	8	38.00	304.00
Central Basin Water Rights Panel Administrative Services - August 2023	16	38.00	608.00
Central Basin Water Rights Panel Administrative Services - September 2023	13.5	38.00	513.00
Central Basin Water Rights Panel Administrative Services - September 2023 (After 9/14/23 Hourly Rate Change)	12	48.00	576.00
Central Basin Water Rights Panel Administrative Services - October 2023 (New Hourly Rate)	15	48.00	720.00

Thank you for your business!

TOTAL \$ 2,721.00

Approved:

Derek Nguyen, Director of Water Resources

12-12-23
Date

If you have any questions about this invoice, please contact Jackie Ramirez at jramirez@wrdd.org or (562) 275-4257

AGENDA ITEM 5

CENTRAL BASIN WATER RIGHTS PANEL AGENDA REPORT

Date: March 14, 2024
To: Central Basin Water Rights Panel
From: Derek Nguyen, Ph.D., P.E., Treasurer, City of Lakewood
Subject: Treasurer's Report

Recommendation:

Receive and File.

Discussion:

This report is a summary of receivables and payables from the Central Basin Water Rights Panel (CBWRP) Trust Account. The update is provided by the Water Replenishment District (WRD), which is currently providing financial services for the Water Rights Panel. Below is the updated expenditure summary.

FY 2023-24	Previous Reported	Dec 2023 - Jan 2024			Expenditure	Budget Status	
	Sep – Oct 2023	November 2023	December 2023	January 2024	Total	Budget	Used %
Admin Services	-	-	2,721	-	2,721.00	15,000	18.14%
Meter Testing	-	12,600	5,400	6,000	24,000.00	75,000	46.0%
Legal Services	929.48	1,131.43	69.17	-	2,130.08	30,000	7.3%
Misc./Other	-	-	-	-	-	31,900	0.0%
Total (UTD)	929.48	13,731.43	8,190.17	6,000.00	28,851.08	151,900	19%

All invoices are sent to the City of Lakewood for approval and then forwarded to the WRD for payment processing.

Attachment(s):

1. WRP Account Balance FY 23-24 (7/1/23 – 2/20/24)
2. Invoices Processed as of 2/20/24

WATER REPLENISHMENT DISTRICT OF SO CAL 2
Standard General Ledger - Bank Balances By Funds - WM
From 7/1/2023 Through 2/20/2024

Account Code	Account Title	Effective Date	Document Number	Document Description	Name	Debit	Credit
1341	MBWM CB WRP				Opening Balance	670,945.66	
		7/27/2023	1130	LEGAL SVC THRU 06/30/23 - INV #243263	RWG LAW		60.00
		7/27/2023	1131	06/23 METER TESTING - INVOICE #1085	DEPARTMENT OF WATER RESOURCES		10,500.00
		7/31/2023	JV2719	07/23 INTEREST INCOME			105.70
		8/31/2023	ju2735	08/23 INTEREST INCOME		315.46	
		9/5/2023	1132	LEGAL SVC THRU 07/31/23 - INV #243787	RWG LAW		60.00
		9/5/2023	1133	CBWRP JAN-JUL 2023 ADMIN SERVICES	WRD GENERAL FUND		4,773.99
		9/30/2023	JV2752	09/23 INTEREST INCOME		99.96	
		10/31/2023	1134	LEGAL SVC THRU 09/30/23 - INV #244633	RWG LAW		869.48
		10/31/2023	JV2772	10/23 INTEREST INCOME		102.92	
		11/14/2023	1135	09/23 METER TESTING - INVOICE #1086	DEPARTMENT OF WATER RESOURCES		600.00
		11/14/2023	1136	10/23 METER TESTING - INVOICE #1087	DEPARTMENT OF WATER RESOURCES		5,400.00
		11/30/2023	JV2783	11/23 INTEREST INCOME		99.21	
		12/26/2023	1137	11/23 METER TESTING - INVOICE #1088	DEPARTMENT OF WATER RESOURCES		6,600.00
		12/26/2023	1138	LEGAL SVC THRU 11/30/23 - INV #245526	RWG LAW		1,131.43
		12/26/2023	1139	CBWRP JUL-OCT 2023 ADMIN SERVICES	WRD GENERAL FUND		2,721.00
		12/31/2023	JV2792	12/23 INTEREST INCOME		101.70	
		1/31/2024	1140	LEGAL SVC THRU 12/31/23 - INV #245988	RWG LAW		69.17
		1/31/2024	1141	12/23 METER TESTING - INVOICE #1089	DEPARTMENT OF WATER RESOURCES		5,400.00
		2/20/2024	1142	01/24 METER TESTING - INVOICE #1090	DEPARTMENT OF WATER RESOURCES		<u>6,000.00</u>
				Transaction Total		<u>719.25</u>	<u>44,290.77</u>
Balance 1341	MBWM CB WRP					<u>627,374.14</u>	
Report Opening/Current Balance						<u>670,945.66</u>	<u>0.00</u>
Report Transaction Totals						<u>719.25</u>	<u>44,290.77</u>
Report Current Balances						<u>671,664.91</u>	<u>44,290.77</u>
Report Difference						<u>627,374.14</u>	

**FY 2023-24 Central Basin Water Rights Panel Invoices Processed
As of 2/20/24**

Invoice Date	Received	Payee	Invoice	Amount	Status	Paid
7/7/2023	7/7/2023	DWR	No. 1085	\$ 10,500.00	Paid	7/27/2023
7/24/2023	7/24/2023	RWG	No. 243263	\$ 60.00	Paid	7/27/2023
8/14/2023	8/14/2023	WRD	No. PAS230814	\$ 4,773.99	Paid	9/5/2023
8/25/2023	8/28/2023	RWG	No. 243787	\$ 60.00	Paid	9/5/2023
10/12/2023	10/16/2023	RWG	No. 244633	\$ 869.48	Paid	10/31/2023
11/3/2023	11/6/2023	DWR	No. 1087	\$ 5,400.00	Paid	11/14/2023
10/15/2023	11/7/2023	DWR	No. 1086	\$ 600.00	Paid	11/14/2023
12/5/2023	12/14/2023	WRD	No. PAS231205	\$ 2,721.00	Paid	12/26/2023
12/4/2023	12/14/2023	DWR	No. 1088	\$ 6,600.00	Paid	12/26/2023
12/8/2023	12/8/2023	RWG	No. 245526	\$ 1,131.43	Paid	12/26/2023
12/20/2023	12/21/2023	DWR	No. 1089	\$ 5,400.00	Paid	1/31/2024
1/12/2024	1/12/2024	RWG	No. 245988	\$ 69.17	Paid	1/31/2024
2/2/2024	2/8/2024	DWR	No. 1090	\$ 6,000.00	Paid	2/20/2024

AGENDA ITEM 6

CENTRAL BASIN WATER RIGHTS PANEL AGENDA REPORT

Date: March 14, 2024
To: Central Basin Water Rights Panel
From: Esther Rojas, Water Replenishment District

Subject: Administrative Body Report

Recommendation:

Receive and File the Monthly Water Rights Activity.

Discussion:

The Panel will receive a report from Esther Rojas of the Water Replenishment District, as the Administrative Body for the Central Basin Watermaster, updating the following items:

- 1. 2023-2024 Groundwater Pumping**
- 2. 2023-2024 Water Rights Activity**
- 3. 2023-2024 Storage Activity**
- 4. Watermaster Budget**
- 5. Other announcements**

Attachment(s):

1. Administrative Body Report

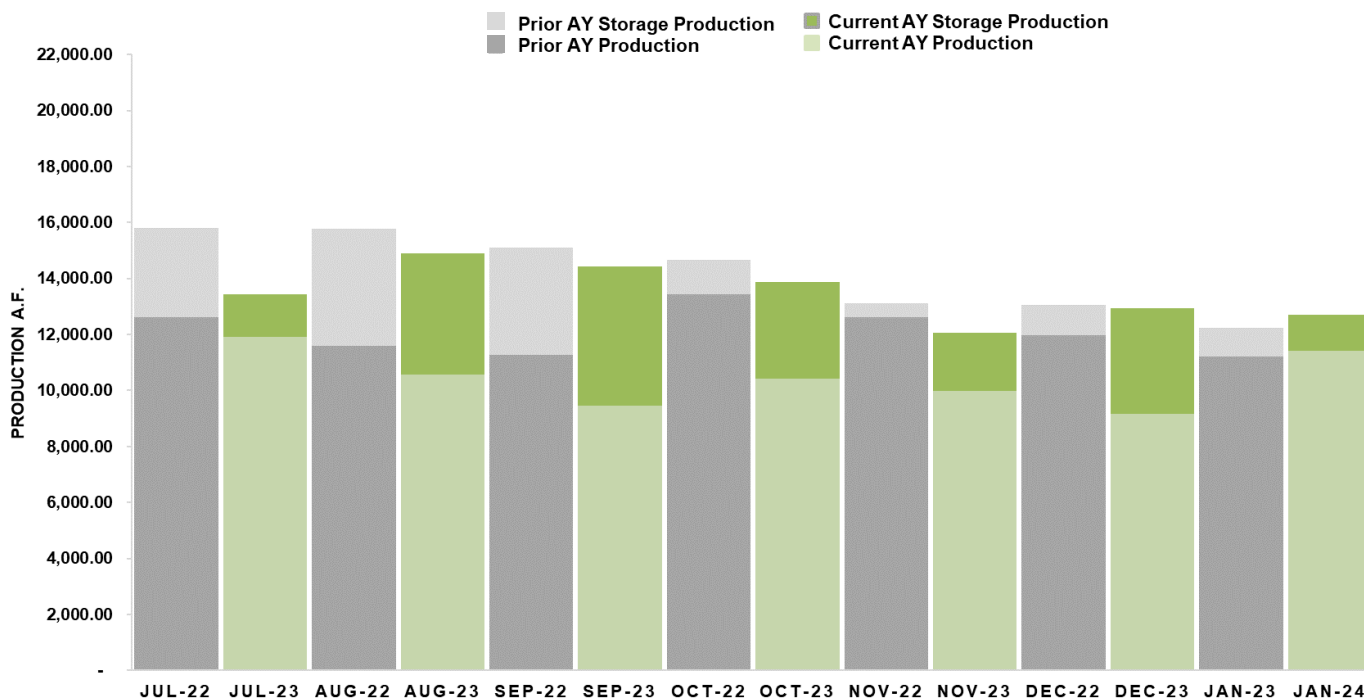
CENTRAL BASIN WATERMASTER ADMINISTRATIVE BODY



Date: March 14, 2024
To: Central Basin Water Rights Panel
From: Esther Valle Rojas, Manager of Watermaster & Water Resources
Subject: Administrative Body Report

Groundwater Pumping: For Administrative Year (AY) 2023-24 July through January, Central Basin groundwater pumping was 94,328.65 af, which is 5.4% or 5,433.56 af less than the previous AY, this includes 21,427.58 af of storage production (details below). The production decrease may be attributed to the increase in precipitation. The chart below summarizes and compares AY 2022-23 and AY 2023-24 pumping. The “Central Basin Production Trends” table attached provides pumping by entity/party.

CENTRAL BASIN WATERMASTER PRODUCTION (A.F.)



Storage Activity:

A total of 21,427.58 af has been withdrawn from storage this AY 2023-24. The table on the next following page lists all storage production:

Storage Withdrawals 2023-24			
Month	Year	Entity	Storage Draw (af)
July	2023	LADWP	1.53
July	2023	Downey	670.00
July	2023	Long Beach	859.28
August	2023	Long Beach	2,689.68
August	2023	Downey	1,000.00
August	2023	Lakewood	637.06
August	2023	LADWP	1.44
September	2023	South Gate	687.18
September	2023	LADWP	1.24
September	2023	Lakewood	679.72
September	2023	Downey	1,000.00
September	2023	Long Beach	2,621.06
October	2023	LADWP	1.34
October	2023	Lakewood	567.03
October	2023	South Gate	686.89
October	2023	Long Beach	2,190.36
November	2023	South Gate	635.85
November	2023	LADWP	1.22
November	2023	Lakewood	510.21
November	2023	Long Beach	924.11
December	2023	LADWP	1.12
December	2023	South Gate	590.40
December	2023	Downey	670.00
December	2023	Lakewood	497.70
December	2023	Long Beach	1,994.75
January	2024	Lakewood	423.08
January	2024	South Gate	599.48
January	2024	LADWP	1.47
January	2024	Long Beach	284.38
		Total	21,427.58

Water Rights Activity:

As of February 29, for AY 2023-24, there were 32 leases processed transferring 17,179.57 af of rights, of which 27 leases are with flex (retain 60% carryover provision) and 5 leases without flex. A detailed list of leases is included in the “Lease Report” table attached.

In addition, there were five sales permanently transferring a total of 117.00 af. Details of the sales are included in the “Sales Report” table attached.

Watermaster Budget:

- The Administrative Body issued a reimbursement for \$32,540.94 to the Panel for the AY 2023-24 assessment collected.
- Staff is preparing the AY 2024-25 budget and will mail out notices before April 1st in accordance with the Judgment. Staff will request a review of the updated budget at the subsequent Panel meeting. Once the Panel decides on their 2024-25 assessment, staff will develop the consolidated invoices and send them out in early June.

Central Basin Production Trends

Central Basin	July 2022 - January 2023	July 2023 - January 2024	Difference	%Change
ABC USD	12.31	8.99	-3.32	-36.93
American Text. M.	31.27	35.91	4.64	12.92
Artesia, City	7.22	1.20	-6.02	-501.67
Atlas Iron and Metal Co.	0.18	0.18	.00	0.00
Bell Gardens, City	0.00	0.00	.00	0.00
Bellflower Home Garden	0.00	0.00	.00	0.00
Bellflower, City	231.98	0.00	-231.98	-100.00
Bellflower-Somerset MWC	2,811.90	2,830.25	18.35	0.65
Boeing Co.	12.94	60.62	47.68	78.65
Boeing, Compton Site	22.48	33.23	10.75	32.35
Cal. American Water Co. Alpha 0679	681.24	1,161.04	479.80	41.33
Cal. Water Service Co. (East LA)	6,229.15	6,624.62	395.47	5.97
Cal. Water Service Co. Dominguez - CB	473.12	672.79	199.67	29.68
Caltrans	3.27	9.27	6.00	64.72
Central Basin MWD	0.00	0.00	.00	0.00
Cerritos, City	4,387.42	4,260.06	-127.36	-2.99
Coast Packing Co.	81.32	77.61	-3.71	-4.78
Commerce, City	266.54	926.50	659.96	71.23
Compton, City	4,057.38	3,968.50	-88.88	-2.24
Darling-Delaware Co.	0.00	0.00	.00	0.00
Defense Logistic Agency	1.21	2.32	1.11	47.84
Demunno Kerdoon	0.75	1.19	.44	36.97
Downey, City	8,149.37	8,159.34	9.97	0.12
El Rancho Unified School District	0.00	0.00	.00	0.00
Furr, Nancy J.	0.04	0.00	-.04	-100.00

Central Basin	July 2022 - January 2023	July 2023 - January 2024	Difference	%Change
Golden State Water Co. - CB	11,009.81	10,522.68	-487.13	-4.63
Huntington Park, City - Alpha 2378	1,657.01	1,542.31	-114.70	-7.44
L.A. County Department of Parks	0.00	0.00	.00	0.00
LA County Rancho Los Amigos	117.01	124.94	7.93	6.35
La Habra Heights County WD	1,479.25	1,391.83	-87.42	-6.28
Lakewood - City	3,884.83	4,000.66	115.83	2.90
Liberty Utilities - CB	2,697.17	2,534.98	-162.19	-6.40
Lincoln Memorial Park	6.51	0.00	-6.51	-100.00
Little Lake Cemetery District	1.36	0.00	-1.36	-100.00
Long Beach, City - CB	17,255.19	13,662.62	-3592.57	-26.29
Los Angeles, City - CB	3,289.48	9.36	-3280.12	-35,044.02
Lunday-Thagard	0.00	0.00	.00	0.00
Lynwood Park Mutual Water Co.	46.93	15.42	-31.51	-204.35
Lynwood, City	2,629.32	2,750.98	121.66	4.42
Maywood Mutual No. 1	364.97	374.88	9.91	2.64
Maywood Mutual No. 2	517.96	541.18	23.22	4.29
Maywood Mutual No. 3	828.95	831.66	2.71	0.33
Montebello Land and Water Co.	1,712.95	1,718.77	5.82	0.34
Montebello, City	0.00	0.00	.00	0.00
Newark Group, Inc.	96.77	89.69	-7.08	-7.89
Northrop Grumman	2.09	0.00	-2.09	-100.00
Norwalk, City	325.63	190.15	-135.48	-71.25
Omega OU1/OU3 LLC	0.00	2.88	2.88	100.00
Orchard Dale Water District	1,075.81	1,061.71	-14.10	-1.33
PABCO Building Products	0.00	0.00	.00	0.00
Paradise Memorial Park	5.52	5.80	.28	4.83
Paramount USD	2.11	0.81	-1.30	-160.49
Paramount, City	1,576.94	1,649.47	72.53	4.40

Central Basin	July 2022 - January 2023	July 2023 - January 2024	Difference	%Change
Pico Rivera, City	2,416.71	2,318.47	-98.24	-4.24
Pico Water District	1,541.06	1,530.76	-10.30	-0.67
Rockview Dairies	63.10	1.90	-61.20	-3,221.05
Roman Catholic Archbishop - CB	75.55	152.44	76.89	50.44
Rowland Water District	0.00	0.00	.00	0.00
San Gabriel Valley Water Co.	1,458.00	1,788.23	330.23	18.47
Santa Fe Springs, City	1,062.62	540.36	-522.26	-96.65
Sativa Water District	1.20	0.00	-1.20	-100.00
Scantlebury, Robert P.	0.28	0.18	-.10	-55.56
SFPP L.P.	0.00	0.00	.00	0.00
Signal Hill, City	434.25	761.72	327.47	42.99
South Gate, City	4,895.84	4,614.93	-280.91	-6.09
South Montebello Irrigation Dist	1,010.10	963.43	-46.67	-4.84
Southern California Edison Co. - CB	2.17	0.53	-1.64	-309.43
St. John Bosco School	21.64	7.34	-14.30	-194.82
Suburban Water Systems	658.19	1,065.77	407.58	38.24
Tract 180 Water Co.	725.16	725.16	.00	0.00
Tract 349 Mutual Water Co.	366.81	369.58	2.77	0.75
Tucker, William M.	0.19	0.02	-.17	-850.00
Vernon, City	3,526.44	2,800.24	-726.20	-25.93
Virginia Country Club	221.00	189.39	-31.61	-16.69
Walnut Park Mutual	612.29	622.18	9.89	1.59
Whittier Union HSD	15.79	13.96	-1.83	-13.11
Whittier, City	2,626.08	4,072.67	1446.59	35.52
WRD	7.82	60.74	52.92	87.13
Yamamoto, Alice	0.07	0.00	-.07	-100.00

Central Basin: Lease Report

Watermaster Administrative Year 2023-24

Number of Leases: 32 (Flex: 27, No Flex: 5) : Volume: 17,179.57 acre-feet

Party	Trasaction Type	Amount	Recordation Date		Party
ABC Unified School District	Lease	-250.00	2023-05-31	TO	Cerritos, City of
Artesia Cemetery District	Lease with flex	-12.00	2023-08-31	TO	Cerritos, City of
Baker, Mary	Lease with flex	-28.00	2023-07-25	TO	Montebello Land and Water Company
Bellflower Home Garden Water Company	Lease with flex	-306.00	2019-03-05	TO	EcoGas, Inc.
Buell, Mary Dolores	Lease with flex	-1.00	2021-05-04	TO	Cerritos, City of
California Domestic Water Company	Lease with flex	-87.00	2023-07-19	TO	Montebello Land and Water Company
California Water Service Company (Dominguez)	Lease with flex	-1,250.00	2023-01-03	TO	Whittier, City of
California Water Service Company (East LA)	Lease with flex	-1,250.00	2023-01-03	TO	Whittier, City of
Cerritos, City of	Lease with flex	12.00	2023-08-31	FROM	Artesia Cemetery District
Cerritos, City of	Lease with flex	1.00	2021-05-04	FROM	Buell, Mary Dolores
Cerritos, City of	Lease with flex	700.00	2023-01-12	FROM	Lakewood, City of Water Department
Cerritos, City of	Lease with flex	3.75	2023-08-23	FROM	Footbridge 1 Trust
Cerritos, City of	Lease with flex	3.75	2023-08-23	FROM	Corning Trust
Cerritos, City of	Lease with flex	500.00	2022-03-07	FROM	PABCO Building Products, LLC
Cerritos, City of	Lease with flex	4.00	2023-08-31	FROM	Nancy Dee Keane Living Trust
Cerritos, City of	Lease	1,000.00	2023-02-08	FROM	South Gate, City of
Cerritos, City of	Lease	2,000.00	2023-04-05	FROM	Downey, City of
Cerritos, City of	Lease	250.00	2023-05-31	FROM	ABC Unified School District
Compton, City of	Lease	1,500.00	2023-01-12	FROM	Lakewood, City of Water Department
Corning Trust	Lease with flex	-3.75	2023-08-23	TO	Cerritos, City of
Downey, City of	Lease	-2,000.00	2023-04-05	TO	Cerritos, City of
EcoGas, Inc.	Lease with flex	-306.00	2019-03-06	TO	Liberty Utilities Corporation
EcoGas, Inc.	Lease with flex	306.00	2019-03-05	FROM	Bellflower Home Garden Water Company
Footbridge 1 Trust	Lease with flex	-3.75	2023-08-23	TO	Cerritos, City of
Hathaway, Richard F, Jr.	Lease with flex	-4.07	2019-10-09	TO	La Habra Heights County Water District

Party	Trasaction Type	Amount	Recordation Date		Party
Hoke, Barbara	Lease with flex	-1.50	2023-07-19	TO	Montebello Land and Water Company
Inglewood Park Cemetery	Lease with flex	-317.00	2020-05-20	TO	Liberty Utilities Corporation
Julee Margulies Metz, Jon Schwartz and Darrin Margulies Trust	Lease with flex	-3.00	2023-07-19	TO	Montebello Land and Water Company
La Habra Heights County Water District	Lease with flex	4.07	2019-10-09	FROM	Hathaway, Richard F, Jr.
Lakewood, City of Water Department	Lease	-1,500.00	2023-01-12	TO	Compton, City of
Lakewood, City of Water Department	Lease with flex	-700.00	2023-01-12	TO	Cerritos, City of
Lakewood, City of Water Department	Lease with flex	-2,000.00	2023-07-19	TO	Whittier, City of
Lakewood, City of Water Department	Lease with flex	-1,500.00	2023-07-19	TO	Whittier, City of
Liberty Utilities Corporation	Lease with flex	317.00	2020-05-20	FROM	Inglewood Park Cemetery
Liberty Utilities Corporation	Lease with flex	1,500.00	2024-01-10	FROM	Suburban Water Systems
Liberty Utilities Corporation	Lease with flex	600.00	2023-06-28	FROM	Tract 180 Mutual Water Company
Liberty Utilities Corporation	Lease with flex	500.00	2024-01-04	FROM	Pico Rivera, City of
Liberty Utilities Corporation	Lease with flex	306.00	2019-03-06	FROM	EcoGas, Inc.
Montebello Land and Water Company	Lease with flex	87.00	2023-07-19	FROM	California Domestic Water Company
Montebello Land and Water Company	Lease with flex	1.00	2024-01-18	FROM	Rowland Water District
Montebello Land and Water Company	Lease with flex	465.00	2024-01-18	FROM	Puente Basin Water Agency
Montebello Land and Water Company	Lease with flex	28.00	2023-07-25	FROM	Baker, Mary
Montebello Land and Water Company	Lease with flex	1.50	2023-07-19	FROM	Hoke, Barbara
Montebello Land and Water Company	Lease with flex	3.00	2023-07-19	FROM	Julee Margulies Metz, Jon Schwartz and Darrin Margulies Trust
Montebello Land and Water Company	Lease with flex	50.00	2023-07-19	FROM	Whittier Union High School District
Montebello, City of	Lease with flex	-386.50	2023-02-15	TO	San Gabriel Valley Water Company
Nancy Dee Keane Living Trust	Lease with flex	-4.00	2023-08-31	TO	Cerritos, City of
PABCO Building Products, LLC	Lease with flex	-500.00	2022-03-07	TO	Cerritos, City of
Pico Rivera, City of	Lease with flex	-500.00	2024-01-04	TO	Liberty Utilities Corporation
Puente Basin Water Agency	Lease with flex	-465.00	2024-01-18	TO	Montebello Land and Water Company
Puente Basin Water Agency	Lease	-500.00	2021-06-15	TO	South Montebello Irrigation District

Party	Trasaction Type	Amount	Recordation Date		Party
Rowland Water District	Lease with flex	-1.00	2024-01-18	TO	Montebello Land and Water Company
San Gabriel Valley Water Company	Lease with flex	386.50	2023-02-15	FROM	Montebello, City of
South Gate, City of	Lease	-1,000.00	2023-02-08	TO	Cerritos, City of
South Montebello Irrigation District	Lease	500.00	2021-06-15	FROM	Puente Basin Water Agency
Suburban Water Systems	Lease with flex	-1,500.00	2024-01-10	TO	Liberty Utilities Corporation
Tract 180 Mutual Water Company	Lease with flex	-150.00	2022-05-12	TO	Walnut Park Mutual Water Company
Tract 180 Mutual Water Company	Lease with flex	-600.00	2023-06-28	TO	Liberty Utilities Corporation
Walnut Park Mutual Water Company	Lease with flex	150.00	2022-05-12	FROM	Tract 180 Mutual Water Company
Whittier Union High School District	Lease with flex	-50.00	2023-07-19	TO	Montebello Land and Water Company
Whittier, City of	Lease with flex	1,250.00	2023-01-03	FROM	California Water Service Company (Dominguez)
Whittier, City of	Lease with flex	1,250.00	2023-01-03	FROM	California Water Service Company (East LA)
Whittier, City of	Lease with flex	2,000.00	2023-07-19	FROM	Lakewood, City of Water Department
Whittier, City of	Lease with flex	1,500.00	2023-07-19	FROM	Lakewood, City of Water Department

Report Date: February 29, 2024

Central Basin: Sales Report

Watermaster Administrative Year 2023-24

Party	Trasaction Type	Amount	Recordation Date		Party
Blakslee Trust	Transfer of NCO	6.66	2023-07-27	FROM	Simmons Survivors Trust
Blakslee Trust	Transfer of NCO	6.60	2023-08-31	FROM	Simmons, John George
Blakslee Trust	Transfer of NCO	6.60	2023-08-31	FROM	Simmons, Richard Bennett
Blakslee Trust	Sale	11.00	2023-08-31	FROM	Simmons, Richard Bennett
Blakslee Trust	Sale	11.00	2023-07-27	FROM	Simmons Survivors Trust
Blakslee Trust	Sale	11.00	2023-08-31	FROM	Simmons, John George
Montebello Land and Water Company	Sale	62.00	2023-08-01	FROM	Vernon Environmental Response Trust
Simmons Survivors Trust	Transfer of NCO	-6.66	2023-07-27	TO	Blakslee Trust
Simmons Survivors Trust	Transfer of NCO	-6.67	2023-07-27	TO	Simmons, John George
Simmons Survivors Trust	Transfer of NCO	-6.67	2023-07-27	TO	Simmons, Richard Bennett
Simmons Survivors Trust	Sale	-11.00	2023-07-27	TO	Blakslee Trust
Simmons Survivors Trust	Sale	-11.00	2023-07-27	TO	Simmons, John George
Simmons Survivors Trust	Sale	-11.00	2023-07-27	TO	Simmons, Richard Bennett
Simmons, John George	Transfer of NCO	6.67	2023-07-27	FROM	Simmons Survivors Trust
Simmons, John George	Sale	-11.00	2023-08-31	TO	Blakslee Trust
Simmons, John George	Sale	11.00	2023-07-27	FROM	Simmons Survivors Trust
Simmons, John George	Transfer of NCO	-6.60	2023-08-31	TO	Blakslee Trust
Simmons, Richard Bennett	Sale	11.00	2023-07-27	FROM	Simmons Survivors Trust
Simmons, Richard Bennett	Transfer of NCO	-6.60	2023-08-31	TO	Blakslee Trust
Simmons, Richard Bennett	Transfer of NCO	6.67	2023-07-27	FROM	Simmons Survivors Trust
Simmons, Richard Bennett	Sale	-11.00	2023-08-31	TO	Blakslee Trust
Vernon Environmental Response Trust	Sale	-62.00	2023-08-01	TO	Montebello Land and Water Company

Report Date: February 29, 2024

AGENDA ITEM 7

CENTRAL BASIN WATER RIGHTS PANEL AGENDA REPORT

Date: March 14, 2024
To: Central Basin Water Rights Panel
From: James Markman - Richards, Watson, Gershon

Subject: **Attorney's Report**

Recommendation:

Receive and File.

Discussion:

As events require, the Panel's attorney will provide an update on any issues or matters that are pending or that will potentially impact the Panel or water purveyors in the Central Basin, as well as issues related to the Third Judgment.

Attachment(s):

None

AGENDA ITEM 8

CENTRAL BASIN WATER RIGHTS PANEL AGENDA REPORT

Date: March 14, 2024
To: Central Basin Water Rights Panel
From: Jackie Ramirez – Water Replenishment District

Subject: **Secretary's Report**

Recommendation:

Receive and File.

AGENDA ITEM 9

CENTRAL BASIN WATER RIGHTS PANEL AGENDA REPORT

Date: March 14, 2024
To: Central Basin Water Rights Panel
From: Jackie Ramirez – Water Replenishment District
Subject: **Water Meter Testing Report**

Recommendation:

Receive and File the current meter testing reports.

Discussion:

The meter testing report summary for September 2023, October 2023, November 2023, December 2023, and January 2024 are attached. During this period, 80 meters were tested, and 80 meters were determined to be within the acceptable margin of error.

Attachment(s):

1. Meter testing results for September 2023.
2. Meter testing results for October 2023.
3. Meter testing results for November 2023.
4. Meter testing results for December 2023.
5. Meter testing results for January 2024.

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 09/11/23 through 09/15/23**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Compton, City of	03S13W27G001S/15	Water Spec.	D	20041930-10	9/13/2014	1.2		Y
Compton, City of	03S13W26C001S/13	Water Spec.	D	2012-1196-10	9/13/2014	0.1		Y

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Compton, City of					Meter Error: 1.2% fast
State Well No.	03S13W27G001S					
Owner No.	15	Type (D/M/E)	D			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	10 1/4	
Test Date	9/13/2023	Serial No.	20041930-10	Pipe Area (in ²)	82.516	
Tested By	DH	No. of Dials	5			
Recorded By	AC	Fixed Zeroes				
	RETEST	Multi.	100	New meter?		
Last Test Date	4/14/2023	Units (gal/af/cf)	cf	Pipe ID'd?		

1st Reading	637551		Mano. Diff.			Qp = 82.52 x 8.49 = 700.6 gpm
2nd Reading	637553	1	8.5			Qm = 7.48 x $\frac{200}{2.113}$ = 707.9 gpm
Difference	2	2	8.2			% diff. = 100 x $\frac{-7.38}{700.56}$ = 1.05% fast
Ellapsed Time	2 m 6.79 s	3	8.6			VOID? <input type="checkbox"/>
Total Minutes	2.113	4	8.8			<u>Notes</u>
		5	8.7			
		6	8.6			
		7	8.4			
		8	8.3			
		9	8.4			
		10	8.4			
		Avg	8.49			

1st Reading	637553		Mano. Diff.			Qp = 82.52 x 8.45 = 697.3 gpm
2nd Reading	637555	1	8.5			Qm = 7.48 x $\frac{200}{2.134}$ = 700.9 gpm
Difference	2	2	8.6			% diff. = 100 x $\frac{-3.66}{697.26}$ = 0.53% fast
Ellapsed Time	2 m 8.06 s	3	8.4			VOID? <input type="checkbox"/>
Total Minutes	2.134	4	8.5			<u>Notes</u>
		5	8.4			
		6	8.3			
		7	8.5			
		8	8.4			
		9	8.4			
		10	8.5			
		Avg	8.45			

1st Reading	637555		Mano. Diff.			Qp = 82.52 x 8.33 = 687.4 gpm
2nd Reading	637557	1	8.6			Qm = 7.48 x $\frac{200}{2.132}$ = 701.9 gpm
Difference	2	2	8.5			% diff. = 100 x $\frac{-14.50}{687.36}$ = 2.11% fast
Ellapsed Time	2 m 7.89 s	3	8.4			VOID? <input type="checkbox"/>
Total Minutes	2.132	4	8.2			<u>Notes</u>
		5	8.1			
		6	8.0			
		7	8.3			
		8	8.5			
		9	8.4			
		10	8.3			
		Avg	8.33			

Notes

Retest. The meter was recalibrated.

WATER METER TEST

Owner	Compton, City of	Meter Error: 0.1% fast		
State Well No.	03S13W26C001S			
Owner No.	13	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 9 15/16
Test Date	9/13/2023	Serial No.	2012-1196-10	Pipe Area (in ²) 77.561
Tested By	AC	No. of Dials	5	
Recorded By	DH	Fixed Zeroes		
	RETEST	Multi.	100	New meter?
Last Test Date	4/11/2023	Units (gal/af/cf)	cf	Pipe ID'd?

1st Reading	1060071		Mano. Diff.	Qp = 77.56 x 11.22 = 870.2 gpm
2nd Reading	1060073	1	11.2	Qm = 7.48 x $\frac{200}{1.718}$ = 870.9 gpm
Difference	2	2	11.2	% diff. = 100 x $\frac{-0.63}{870.24}$ = 0.07% fast
Elapsed Time	1 m 43.07 s	3	11.1	VOID? <input type="checkbox"/>
Total Minutes	1.718	4	11.3	<u>Notes</u>
		5	11.2	
		6	11.3	
		7	11.2	
		8	11.3	
		9	11.2	
		10	11.2	
		Avg	11.22	

1st Reading	1060073		Mano. Diff.	Qp = 77.56 x 11.19 = 867.9 gpm
2nd Reading	1060078	1	11.3	Qm = 7.48 x $\frac{500}{4.316}$ = 866.5 gpm
Difference	5	2	11.2	% diff. = 100 x $\frac{1.40}{867.91}$ = 0.16% slow
Elapsed Time	4 m 18.97 s	3	11.2	VOID? <input type="checkbox"/>
Total Minutes	4.316	4	11.3	<u>Notes</u>
		5	11.1	
		6	11.0	
		7	11.1	
		8	11.2	
		9	11.2	
		10	11.3	
		Avg	11.19	

1st Reading	1060078		Mano. Diff.	Qp = 77.56 x 11.20 = 868.7 gpm
2nd Reading	1060080	1	11.2	Qm = 7.48 x $\frac{200}{1.716}$ = 871.9 gpm
Difference	2	2	11.3	% diff. = 100 x $\frac{-3.19}{868.68}$ = 0.37% fast
Elapsed Time	1 m 42.95 s	3	11.2	VOID? <input type="checkbox"/>
Total Minutes	1.716	4	11.1	<u>Notes</u>
		5	11.2	
		6	11.2	
		7	11.2	
		8	11.3	
		9	11.2	
		10	11.1	
		Avg	11.20	

Notes

Retest. The meter was recalibrated.

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 10/02/23 through 10/06/23**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Pico Rivera, City of	02S12W12A001S/W1	McCrometer	M	19-00902	10/4/2023	2.8		Y
Pico Rivera, City of	02S12W12A005S/W2	McCrometer	M*	13-10997-10	10/4/2023		0.5	Y
Pico Rivera, City of	02S12W23B003S/W4	McCrometer	D	11-06391-10	10/4/2023		3.9	Y
Pico Rivera, City of	02S12W26E003S/W6	McCrometer	D	13-02528-08	10/4/2023	1.4		Y
Pico Rivera, City of	02S12W25G002S/W11	McCrometer	M	17-02729-12	10/4/2023		3.3	Y

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Pico Rivera, City of									Meter Error: 2.8% fast
State Well No.	02S12W12A001S									
Owner No.	W1	Type (D/M/E)	M							
Basin	Central	Make	McCrometer	Pipe In. Dia. (in)	7 1/8					
Test Date	10/4/2023	Serial No.	19-00902	Pipe Area (in ²)	39.871					
Tested By	DH	No. of Dials	6							
Recorded By	AC	Fixed Zeroes								
		Multi.	100	New meter?						
Last Test Date	10/25/2022	Units (gal/af/cf)	cf	Pipe ID'd?						

1st Reading	382024											
2nd Reading	382032			Mano. Diff.		Qp =	39.87	x	25.61	=	1021.1	gpm
Difference	8			1	25.8	Qm =	7.48	x	$\frac{800}{5.688}$	=	1052.1	gpm
Ellapsed Time	5 m 41.25 s			2	25.7	% diff. = 100	x	$\frac{-31.03}{1021.10}$	=	3.04%	fast	
Total Minutes	5.688			3	25.8						VOID?	
				4	25.4							
				5	25.3							
				6	25.6							
				7	25.6							
				8	25.4							
				9	25.6							
				10	25.9							
				Avg	25.61							

Notes

1st Reading	382032											
2nd Reading	382037			Mano. Diff.		Qp =	39.87	x	25.99	=	1036.3	gpm
Difference	5			1	26.2	Qm =	7.48	x	$\frac{500}{3.511}$	=	1065.1	gpm
Ellapsed Time	3 m 30.68 s			2	26.0	% diff. = 100	x	$\frac{-28.87}{1036.25}$	=	2.79%	fast	
Total Minutes	3.511			3	25.8						VOID?	
				4	25.8							
				5	26.0							
				6	26.1							
				7	26.2							
				8	26.1							
				9	25.9							
				10	25.8							
				Avg	25.99							

Notes

1st Reading	382037											
2nd Reading	382040			Mano. Diff.		Qp =	39.87	x	25.64	=	1022.3	gpm
Difference	3			1	26.0	Qm =	7.48	x	$\frac{300}{2.139}$	=	1049.0	gpm
Ellapsed Time	2 m 8.35 s			2	26.1	% diff. = 100	x	$\frac{-26.71}{1022.30}$	=	2.61%	fast	
Total Minutes	2.139			3	25.8						VOID?	
				4	25.7							
				5	25.8							
				6	25.7							
				7	25.3							
				8	25.2							
				9	25.5							
				10	25.3							
				Avg	25.64							

Notes

Notes

WATER METER TEST

Owner	Pico Rivera, City of				Meter Error: 0.5% slow
State Well No.	02S12W12A005S				
Owner No.	W2	Type (D/M/E)	M		
Basin	Central	Make	McCrometer	Pipe In. Dia. (in)	10
Test Date	10/4/2023	Serial No.	13-10997-10	Pipe Area (in ²)	78.540
Tested By	DH	No. of Dials	6		
Recorded By	AC	Fixed Zeroes		New meter?	X
Last Test Date	10/25/2022	Multi.	100	Pipe ID'd?	
		Units (gal/af/cf)	cf		

1st Reading	10259		Mano. Diff.		Qp = 78.54 x 21.58 = 1694.9 gpm
2nd Reading	10263	1	21.3		Qm = 7.48 x $\frac{400}{1.766}$ = 1694.2 gpm
Difference	4	2	21.4		% diff. = 100 x $\frac{0.67}{1694.89}$ = 0.04% slow
Elapsed Time	1 m 45.96 s	3	21.5		VOID? <input type="checkbox"/>
Total Minutes	1.766	4	21.3		<u>Notes</u>
		5	21.3		
		6	21.5		
		7	21.7		
		8	21.9		
		9	22.0		
		10	21.9		
		Avg	21.58		

1st Reading	10263		Mano. Diff.		Qp = 78.54 x 23.24 = 1825.3 gpm
2nd Reading	10268	1	23.2		Qm = 7.48 x $\frac{500}{2.092}$ = 1787.6 gpm
Difference	5	2	23.4		% diff. = 100 x $\frac{37.64}{1825.27}$ = 2.06% slow
Elapsed Time	2 m 5.53 s	3	23.0		VOID? <input type="checkbox"/>
Total Minutes	2.092	4	23.1		<u>Notes</u>
		5	23.0		
		6	23.0		
		7	22.9		
		8	23.3		
		9	23.5		
		10	24.0		
		Avg	23.24		

1st Reading	10268		Mano. Diff.		Qp = 78.54 x 24.84 = 1950.9 gpm
2nd Reading	10272	1	25.1		Qm = 7.48 x $\frac{400}{1.526}$ = 1961.3 gpm
Difference	4	2	25.1		% diff. = 100 x $\frac{-10.40}{1950.93}$ = 0.53% fast
Elapsed Time	1 m 31.53 s	3	25.1		VOID? <input type="checkbox"/>
Total Minutes	1.526	4	24.1		<u>Notes</u>
		5	24.7		
		6	24.7		
		7	24.8		
		8	24.9		
		9	25.0		
		10	24.9		
		Avg	24.84		

Notes

WATER METER TEST

Owner	Pico Rivera, City of							Meter Error: 3.9% slow
State Well No.	02S12W23B003S							
Owner No.	W4	Type (D/M/E)	D					
Basin	Central	Make	McCrometer	Pipe In. Dia. (in)	10			
Test Date	10/4/2023	Serial No.	11-06391-10	Pipe Area (in ²)	78.540			
Tested By	DH	No. of Dials						
Recorded By	AC	Fixed Zeroes						
		Multi.	100	New meter?				
Last Test Date	10/25/2022	Units (gal/af/cf)	cf	Pipe ID'd?				

1st Reading	4541356		Mano. Diff.								
2nd Reading	4541357	1	8.5		Qp =	78.54	x	7.76	=	609.5	gpm
Difference	1	2	7.9		Qm =	7.48	x	$\frac{100}{1.286}$	=	581.9	gpm
Ellapsed Time	1 m 17.13 s	3	7.5		% diff. =	100	x	$\frac{27.59}{609.47}$	=	4.53%	slow
Total Minutes	1.286	4	8.0								VOID?
		5	7.5								
		6	7.6								
		7	7.7								
		8	7.6								
		9	7.6								
		10	7.7								
		Avg	7.76								

1st Reading	4541359		Mano. Diff.								
2nd Reading	4541360	1	8.0		Qp =	78.54	x	7.68	=	603.2	gpm
Difference	1	2	7.8		Qm =	7.48	x	$\frac{100}{1.287}$	=	581.3	gpm
Ellapsed Time	1 m 17.20 s	3	7.8		% diff. =	100	x	$\frac{21.84}{603.19}$	=	3.62%	slow
Total Minutes	1.287	4	7.7								VOID?
		5	7.7								
		6	7.7								
		7	7.5								
		8	7.5								
		9	7.6								
		10	7.5								
		Avg	7.68								

1st Reading	4541371		Mano. Diff.								
2nd Reading	4541372	1	7.5		Qp =	78.54	x	7.71	=	605.5	gpm
Difference	1	2	7.9		Qm =	7.48	x	$\frac{100}{1.282}$	=	583.4	gpm
Ellapsed Time	1 m 16.93 s	3	7.8		% diff. =	100	x	$\frac{22.15}{605.54}$	=	3.66%	slow
Total Minutes	1.282	4	8.0								VOID?
		5	8.1								
		6	7.9								
		7	7.5								
		8	7.5								
		9	7.4								
		10	7.5								
		Avg	7.71								

Notes

WATER METER TEST

Owner	Pico Rivera, City of				Meter Error: 1.4% fast
State Well No.	02S12W26E003S				
Owner No.	W6	Type (D/M/E)	D		
Basin	Central	Make	McCrometer	Pipe In. Dia. (in)	7 3/16
Test Date	10/4/2023	Serial No.	13-02528-08	Pipe Area (in ²)	40.574
Tested By	DH	No. of Dials	7		
Recorded By	AC	Fixed Zeroes			
		Multi.	100	New meter?	
Last Test Date	10/27/2022	Units (gal/af/cf)	cf	Pipe ID'd?	

1st Reading	251598		Mano. Diff.		Qp = 40.57 x 11.03 = 447.5 gpm
2nd Reading	251600	1	11.2		Qm = 7.48 x $\frac{200}{3.301}$ = 453.2 gpm
Difference	2	2	10.9		% diff. = 100 x $\frac{-5.71}{447.53}$ = 1.28% fast
Elapsed Time	3 m 18.04 s	3	10.9		VOID? <input type="checkbox"/>
Total Minutes	3.301	4	11.0		<u>Notes</u>
		5	11.1		
		6	10.8		
		7	11.1		
		8	11.2		
		9	11.1		
		10	11.0		
		Avg	11.03		

1st Reading	251600		Mano. Diff.		Qp = 40.57 x 10.98 = 445.5 gpm
2nd Reading	251603	1	11.2		Qm = 7.48 x $\frac{300}{4.951}$ = 453.2 gpm
Difference	3	2	11.6		% diff. = 100 x $\frac{-7.71}{445.50}$ = 1.73% fast
Elapsed Time	4 m 57.08 s	3	10.5		VOID? <input type="checkbox"/>
Total Minutes	4.951	4	10.7		<u>Notes</u>
		5	10.9		
		6	10.9		
		7	11.0		
		8	11.1		
		9	10.8		
		10	11.1		
		Avg	10.98		

1st Reading	251603		Mano. Diff.		Qp = 40.57 x 11.03 = 447.5 gpm
2nd Reading	251605	1	10.7		Qm = 7.48 x $\frac{200}{3.304}$ = 452.8 gpm
Difference	2	2	10.6		% diff. = 100 x $\frac{-5.26}{447.53}$ = 1.17% fast
Elapsed Time	3 m 18.24 s	3	10.8		VOID? <input type="checkbox"/>
Total Minutes	3.304	4	11.2		<u>Notes</u>
		5	10.9		
		6	10.9		
		7	11.3		
		8	10.9		
		9	11.4		
		10	11.6		
		Avg	11.03		

Notes

WATER METER TEST

Owner	Pico Rivera, City of				
State Well No.	02S12W25G002S			Meter Error: 3.3% slow	
Owner No.	W11	Type (D/M/E)	M		
Basin	Central	Make	McCrometer	Pipe In. Dia. (in)	12
Test Date	10/4/2023	Serial No.	17-02729-12	Pipe Area (in ²)	113.097
Tested By	AC	No. of Dials	6		
Recorded By	DH	Fixed Zeroes		New meter?	
		Multi.	1000		
Last Test Date	9/2/2021	Units (gal/af/cf)	gal	Pipe ID'd?	

1st Reading	112512		Mano. Diff.		$Q_p = 113.10 \times 17.11 = 1935.1 \text{ gpm}$
2nd Reading	112516	1	17.2		$Q_m = 1 \times \frac{4000}{2.139} = 1869.9 \text{ gpm}$
Difference	4	2	17.3		$\% \text{ diff.} = 100 \times \frac{65.21}{1935.10} = 3.37\% \text{ slow}$
Elapsed Time	2 m 8.35 s	3	17.1		VOID? <input type="checkbox"/>
Total Minutes	2.139	4	17.2		<u>Notes</u>
		5	17.1		
		6	17.2		
		7	17.0		
		8	17.0		
		9	17.0		
		10	17.0		
		Avg	17.11		

1st Reading	112516		Mano. Diff.		$Q_p = 113.10 \times 17.18 = 1943.0 \text{ gpm}$
2nd Reading	112518	1	17.3		$Q_m = 1 \times \frac{2000}{1.060} = 1887.1 \text{ gpm}$
Difference	2	2	17.3		$\% \text{ diff.} = 100 \times \frac{55.92}{1943.01} = 2.88\% \text{ slow}$
Elapsed Time	1 m 3.59 s	3	17.4		VOID? <input type="checkbox"/>
Total Minutes	1.060	4	17.2		<u>Notes</u>
		5	17.1		
		6	17.0		
		7	17.0		
		8	17.1		
		9	17.2		
		10	17.2		
		Avg	17.18		

1st Reading	112529		Mano. Diff.		$Q_p = 113.10 \times 17.08 = 1931.7 \text{ gpm}$
2nd Reading	112540	1	17.0		$Q_m = 1 \times \frac{11000}{5.914} = 1859.9 \text{ gpm}$
Difference	11	2	17.1		$\% \text{ diff.} = 100 \times \frac{71.76}{1931.70} = 3.71\% \text{ slow}$
Elapsed Time	5 m 54.85 s	3	17.1		VOID? <input type="checkbox"/>
Total Minutes	5.914	4	17.2		<u>Notes</u>
		5	17.0		
		6	17.1		
		7	17.2		
		8	17.0		
		9	17.1		
		10	17.0		
		Avg	17.08		

Notes

**PRODUCTION WELL METER TESTS
In the Central Basin for the
Week of 10/16/23 through 10/20/23**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Lakewood, City of	04S12W10H004S/LK027	Water Spec.	M	20072074-14	10/19/2023		1.4	Y
Lakewood, City of	04S12W10G001S/LK004	Water Spec.	M	20201038-08	10/19/2023	3.5		Y
Lakewood, City of	04S12W10H005S/28	Sparling	D	M230774821	10/19/2023		0.8	Y
Lakewood, City of	04S12W10H001S/LK010	Water Spec.	M	20201038-08	10/19/2023		1.4	Y
Lakewood, City of	04S12W03A002S/LK015A	Water Spec.	D	20101903-10	10/19/2023		0.2	Y
Lakewood, City of	04S12W03H001S/LK017	Water Spec.	D	20090362-08	10/20/2023	4.5		Y
Lakewood, City of	04S13W10H003S/LK008	Water Spec.	D*	891061-12	10/20/2023	3.8		Y

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Lakewood, City of	Meter Error: 1.4% slow		
State Well No.	04S12W10H004S	Type (D/M/E)	M	
Owner No.	LK027	Make	Water Spec.	Pipe In. Dia. (in) 12 1/2
Basin	Central	Serial No.	20072074-14	Pipe Area (in ²) 122.718
Test Date	10/19/2023	No. of Dials	6	
Tested By	AC	Fixed Zeroes		
Recorded By	DH	Multi.	1000	New meter?
Last Test Date	11/2/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	2508354		Mano. Diff.	Qp = 122.72 x 18.04 = 2213.8 gpm
2nd Reading	2508357	1	18.0	Qm = 1 x $\frac{3000}{1.384}$ = 2167.4 gpm
Difference	3	2	18.1	% diff. = 100 x $\frac{46.47}{2213.84}$ = 2.10% slow
Elapsed Time	1 m 23.05 s	3	18.0	VOID? <input type="checkbox"/>
Total Minutes	1.384	4	17.9	<u>Notes</u>
		5	18.0	
		6	18.0	
		7	18.1	
		8	18.1	
		9	18.0	
		10	18.2	
		Avg	18.04	

1st Reading	2508357		Mano. Diff.	Qp = 122.72 x 18.01 = 2210.2 gpm
2nd Reading	2508363	1	17.9	Qm = 1 x $\frac{6000}{2.740}$ = 2189.6 gpm
Difference	6	2	18.0	% diff. = 100 x $\frac{20.51}{2210.16}$ = 0.93% slow
Elapsed Time	2 m 44.41 s	3	18.1	VOID? <input type="checkbox"/>
Total Minutes	2.740	4	17.9	<u>Notes</u>
		5	18.0	
		6	18.1	
		7	18.0	
		8	18.0	
		9	18.0	
		10	18.1	
		Avg	18.01	

1st Reading	2508363		Mano. Diff.	Qp = 122.72 x 18.00 = 2208.9 gpm
2nd Reading	2508373	1	17.9	Qm = 1 x $\frac{10000}{4.577}$ = 2184.8 gpm
Difference	10	2	18.0	% diff. = 100 x $\frac{24.17}{2208.93}$ = 1.09% slow
Elapsed Time	4 m 34.63 s	3	18.0	VOID? <input type="checkbox"/>
Total Minutes	4.577	4	18.1	<u>Notes</u>
		5	18.0	
		6	18.1	
		7	18.1	
		8	17.9	
		9	17.9	
		10	18.0	
		Avg	18.00	

Notes

Bad manometer balance. Added 1 to account of difference in balance.

WATER METER TEST

Owner	Lakewood, City of					Meter Error: 3.5% fast
State Well No.	04S12W10G001S					
Owner No.	LK004	Type (D/M/E)	M			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	7 7/8	
Test Date	10/19/2023	Serial No.	20201038-08	Pipe Area (in ²)	48.707	
Tested By	AC	No. of Dials	6			
Recorded By	DH	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	11/2/2022	Units (gal/af/cf)	gal	Pipe ID'd?		

1st Reading	777385		Mano. Diff.			$Q_p = 48.71 \times 12.62 = 614.7 \text{ gpm}$
2nd Reading	777386	1	12.5			$Q_m = 1 \times \frac{1000}{1.576} = 634.4 \text{ gpm}$
Difference	1	2	12.5			$\% \text{ diff.} = 100 \times \frac{-19.70}{614.68} = 3.21\% \text{ fast}$
Elapsed Time	1 m 34.58 s	3	12.6			VOID? <input type="checkbox"/>
Total Minutes	1.576	4	12.6			<u>Notes</u>
		5	12.6			
		6	12.6			
		7	12.7			
		8	12.8			
		9	12.6			
		10	12.7			
		Avg	12.62			

1st Reading	777386		Mano. Diff.			$Q_p = 48.71 \times 12.55 = 611.3 \text{ gpm}$
2nd Reading	777388	1	12.5			$Q_m = 1 \times \frac{2000}{3.152} = 634.6 \text{ gpm}$
Difference	2	2	12.6			$\% \text{ diff.} = 100 \times \frac{-23.35}{611.27} = 3.82\% \text{ fast}$
Elapsed Time	3 m 9.09 s	3	12.5			VOID? <input type="checkbox"/>
Total Minutes	3.152	4	12.5			<u>Notes</u>
		5	12.6			
		6	12.5			
		7	12.6			
		8	12.7			
		9	12.5			
		10	12.5			
		Avg	12.55			

1st Reading	777388		Mano. Diff.			$Q_p = 48.71 \times 12.56 = 611.8 \text{ gpm}$
2nd Reading	777390	1	12.4			$Q_m = 1 \times \frac{2000}{3.164} = 632.1 \text{ gpm}$
Difference	2	2	12.4			$\% \text{ diff.} = 100 \times \frac{-20.35}{611.76} = 3.33\% \text{ fast}$
Elapsed Time	3 m 9.84 s	3	12.5			VOID? <input type="checkbox"/>
Total Minutes	3.164	4	12.6			<u>Notes</u>
		5	12.6			
		6	12.5			
		7	12.7			
		8	12.6			
		9	12.7			
		10	12.6			
		Avg	12.56			

Notes

WATER METER TEST

Owner	Lakewood, City of			Meter Error: 0.8% slow
State Well No.	04S12W10H005S			
Owner No.	28	Type (D/M/E)	D	
Basin	Central	Make	Sparling	Pipe In. Dia. (in) 16
Test Date	10/19/2023	Serial No.	M230774821	Pipe Area (in ²) 201.062
Tested By	AC	No. of Dials	0	
Recorded By	DH	Fixed Zeroes	10	
		Multi.	1000	New meter?
Last Test Date	11/2/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	575550	Mano. Diff.		$Q_p = 201.06 \times 8.22 = 1652.7 \text{ gpm}$
2nd Reading	575566	1	8.0	$Q_m = 1 \times \frac{16000}{10.071} = 1588.7 \text{ gpm}$
Difference	16	2	8.2	$\% \text{ diff.} = 100 \times \frac{63.98}{1652.73} = 3.87\% \text{ slow}$
Elapsed Time	10 m 4.25 s	3	8.2	VOID? <input type="checkbox"/>
Total Minutes	10.071	4	8.1	<u>Notes</u>
		5	8.0	
		6	8.2	
		7	8.4	
		8	8.5	
		9	8.4	
		10	8.2	
		Avg	8.22	

1st Reading	575566	Mano. Diff.		$Q_p = 201.06 \times 7.47 = 1501.9 \text{ gpm}$
2nd Reading	575569	1	7.5	$Q_m = 1 \times \frac{3000}{1.952} = 1537.1 \text{ gpm}$
Difference	3	2	7.6	$\% \text{ diff.} = 100 \times \frac{-35.22}{1501.93} = 2.34\% \text{ fast}$
Elapsed Time	1 m 57.10 s	3	7.6	VOID? <input type="checkbox"/>
Total Minutes	1.952	4	7.5	<u>Notes</u>
		5	7.4	
		6	7.4	
		7	7.3	
		8	7.4	
		9	7.5	
		10	7.5	
		Avg	7.47	

1st Reading	575569	Mano. Diff.		$Q_p = 201.06 \times 7.74 = 1556.2 \text{ gpm}$
2nd Reading	575572	1	7.0	$Q_m = 1 \times \frac{3000}{1.701} = 1763.3 \text{ gpm}$
Difference	3	2	7.0	$\% \text{ diff.} = 100 \times \frac{-207.10}{1556.22} = 13.31\% \text{ fast}$
Elapsed Time	1 m 42.08 s	3	8.5	VOID? <input checked="" type="checkbox"/>
Total Minutes	1.701	4	8.4	<u>Notes</u>
		5	8.5	Variable flow occurred; gpm adjusted too fast during the test to catch for accurate results.
		6	8.4	
		7	8.3	
		8	7.0	
		9	7.0	
		10	7.3	
		Avg	7.74	

Notes

Well has a variable flow meter.

WATER METER TEST

Owner	Lakewood, City of	Meter Error: 1.4% slow		
State Well No.	04S12W10H001S	Type (D/M/E)	M	
Owner No.	LK010	Make	Water Spec.	Pipe In. Dia. (in) 8
Basin	Central	Serial No.	20201038-08	Pipe Area (in ²) 50.265
Test Date	10/19/2023	No. of Dials	6	
Tested By	AC	Fixed Zeroes		
Recorded By	DH	Multi.	1000	New meter?
Last Test Date	11/2/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	914676		Mano. Diff.	Qp = 50.27 x 13.14 = 660.5 gpm
2nd Reading	914680	1	13.1	Qm = 1 x $\frac{4000}{6.129}$ = 652.7 gpm
Difference	4	2	13.1	% diff. = 100 x $\frac{7.80}{660.49}$ = 1.18% slow
Elapsed Time	6 m 7.71 s	3	13.2	VOID? <input type="checkbox"/>
Total Minutes	6.129	4	13.2	<u>Notes</u>
		5	13.1	
		6	13.0	
		7	13.2	
		8	13.2	
		9	13.2	
		10	13.1	
		Avg	13.14	

1st Reading	914682		Mano. Diff.	Qp = 50.27 x 13.24 = 665.5 gpm
2nd Reading	914685	1	13.3	Qm = 1 x $\frac{3000}{4.602}$ = 652.0 gpm
Difference	3	2	13.3	% diff. = 100 x $\frac{13.55}{665.51}$ = 2.04% slow
Elapsed Time	4 m 36.09 s	3	13.2	VOID? <input type="checkbox"/>
Total Minutes	4.602	4	13.4	<u>Notes</u>
		5	13.4	
		6	13.2	
		7	13.2	
		8	13.0	
		9	12.9	
		10	13.5	
		Avg	13.24	

1st Reading	914689		Mano. Diff.	Qp = 50.27 x 13.16 = 661.5 gpm
2nd Reading	914693	1	13.0	Qm = 1 x $\frac{4000}{6.116}$ = 654.0 gpm
Difference	4	2	13.0	% diff. = 100 x $\frac{7.47}{661.49}$ = 1.13% slow
Elapsed Time	6 m 6.96 s	3	13.1	VOID? <input type="checkbox"/>
Total Minutes	6.116	4	13.2	<u>Notes</u>
		5	13.2	
		6	13.3	
		7	13.2	
		8	13.3	
		9	13.3	
		10	13.0	
		Avg	13.16	

Notes

WATER METER TEST

Owner	Lakewood, City of					Meter Error: 0.2% slow
State Well No.	04S12W03A002S					
Owner No.	LK015A	Type (D/M/E)	D			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	10	
Test Date	10/19/2023	Serial No.	20101903-10	Pipe Area (in ²)	78.540	
Tested By	AC	No. of Dials	6			
Recorded By	DH	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	11/16/2022	Units (gal/af/cf)	gal	Pipe ID'd?		

1st Reading	3637075		Mano. Diff.			$Q_p = 78.54 \times 17.14 = 1346.2 \text{ gpm}$
2nd Reading	3637077	1	17.0			$Q_m = 1 \times \frac{2000}{1.496} = 1336.7 \text{ gpm}$
Difference	2	2	17.1			$\% \text{ diff.} = 100 \times \frac{9.42}{1346.17} = 0.70\% \text{ slow}$
Elapsed Time	1 m 29.77 s	3	17.0			VOID? <input type="checkbox"/>
Total Minutes	1.496	4	17.2			
		5	17.3			
		6	17.1			<u>Notes</u>
		7	17.4			subtracted readings by 1 to account for bad manometer balance
		8	17.2			
		9	17.1			
		10	17.0			
		Avg	17.14			

1st Reading	3637077		Mano. Diff.			$Q_p = 78.54 \times 17.11 = 1343.8 \text{ gpm}$
2nd Reading	3637079	1	17.0			$Q_m = 1 \times \frac{2000}{1.483} = 1348.5 \text{ gpm}$
Difference	2	2	17.1			$\% \text{ diff.} = 100 \times \frac{-4.65}{1343.82} = 0.35\% \text{ fast}$
Elapsed Time	1 m 28.99 s	3	17.0			VOID? <input type="checkbox"/>
Total Minutes	1.483	4	17.2			
		5	17.1			
		6	17.1			<u>Notes</u>
		7	17.3			subtracted readings by 1 to account for bad manometer balance
		8	17.2			
		9	17.1			
		10	17.0			
		Avg	17.11			

1st Reading	3637079		Mano. Diff.			$Q_p = 78.54 \times 17.21 = 1351.7 \text{ gpm}$
2nd Reading	3637081	1	17.1			$Q_m = 1 \times \frac{2000}{1.484} = 1348.0 \text{ gpm}$
Difference	2	2	17.3			$\% \text{ diff.} = 100 \times \frac{3.66}{1351.67} = 0.27\% \text{ slow}$
Elapsed Time	1 m 29.02 s	3	17.4			VOID? <input type="checkbox"/>
Total Minutes	1.484	4	17.0			
		5	17.2			
		6	17.0			<u>Notes</u>
		7	17.2			subtracted readings by 1 to account for bad manometer balance
		8	17.4			
		9	17.5			
		10	17.0			
		Avg	17.21			

Notes

Perfect test conditions but balance was off by 1 regardless of setup and resets. Made slight adjustment in manometer readings.

WATER METER TEST

Owner	Lakewood, City of	Meter Error: 4.5% fast		
State Well No.	04S12W03H001S			
Owner No.	LK017	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 7 7/8
Test Date	10/20/2023	Serial No.	20090362-08	Pipe Area (in ²) 48.707
Tested By	AC	No. of Dials	8	
Recorded By	AC	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	11/16/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	3654860		Mano. Diff.	Qp = 48.71 x 17.57 = 855.9 gpm
2nd Reading	3654865	1	17.5	Qm = 1 x $\frac{5000}{5.588}$ = 894.9 gpm
Difference	5	2	17.6	% diff. = 100 x $\frac{-38.99}{855.86}$ = 4.56% fast
Elapsed Time	5 m 35.25 s	3	17.5	VOID? <input type="checkbox"/>
Total Minutes	5.588	4	17.6	<u>Notes</u>
		5	17.5	
		6	17.6	
		7	17.7	
		8	17.5	
		9	17.6	
		10	17.6	
		Avg	17.57	

1st Reading	3654865		Mano. Diff.	Qp = 48.71 x 17.59 = 856.8 gpm
2nd Reading	3654869	1	17.5	Qm = 1 x $\frac{4000}{4.468}$ = 895.3 gpm
Difference	4	2	17.7	% diff. = 100 x $\frac{-38.57}{856.76}$ = 4.50% fast
Elapsed Time	4 m 28.06 s	3	17.8	VOID? <input type="checkbox"/>
Total Minutes	4.468	4	17.4	<u>Notes</u>
		5	17.6	
		6	17.5	
		7	17.6	
		8	17.5	
		9	17.5	
		10	17.8	
		Avg	17.59	

1st Reading	3654869		Mano. Diff.	Qp = 48.71 x 17.57 = 855.8 gpm
2nd Reading	3654873	1	17.7	Qm = 1 x $\frac{4000}{4.477}$ = 893.4 gpm
Difference	4	2	17.3	% diff. = 100 x $\frac{-37.64}{855.78}$ = 4.40% fast
Elapsed Time	4 m 28.63 s	3	17.3	VOID? <input type="checkbox"/>
Total Minutes	4.477	4	17.4	<u>Notes</u>
		5	17.5	
		6	17.6	
		7	17.8	
		8	17.6	
		9	17.8	
		10	17.7	
		Avg	17.57	

Notes

Bad test point on a bend. good manometer balance.

WATERMASTER SERVICE WATER METER TEST

Owner	Lakewood, City of			Meter Error 3.8% fast
State Well No.	04S13W10H003S			
Owner No.	LK008	Type (D/M/E)	D	
Basin	CB	Make	Water Spec.	Pipe In. Dia. (in) 11 3/4
Test Date	10/20/2023	Serial No.	891061-12	Pipe Area (in ²) 108.434
Tested By	AC	No. of Dials	7	
Recorded By	AC	Fixed Zeroes		
		Multi.	1000	New meter? X
Last Test Date	10/4/2021	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	927051		Mano. Diff.	Qp = 108.43 x 6.06 = 657.1 gpm
2nd Reading	927055	1	6.0	Qm = 1 x $\frac{4000}{5.814}$ = 688.0 gpm
Difference	4	2	6.1	% diff. = 100 x $\frac{-30.92}{657.11}$ = 4.71% fast
Elapsed Time	5 m 48.82 s	3	6.1	VOID? <input type="checkbox"/>
Total Minutes	5.814	4	6.0	<u>Notes</u>
		5	6.1	
		6	6.0	
		7	6.1	
		8	6.1	
		9	6.0	
		10	6.1	
		Avg	6.06	

1st Reading	927055		Mano. Diff.	Qp = 108.43 x 6.13 = 664.7 gpm
2nd Reading	927059	1	6.3	Qm = 1 x $\frac{4000}{5.835}$ = 685.5 gpm
Difference	4	2	6.2	% diff. = 100 x $\frac{-20.80}{664.70}$ = 3.13% fast
Elapsed Time	5 m 50.11 s	3	6.1	VOID? <input type="checkbox"/>
Total Minutes	5.835	4	6.0	<u>Notes</u>
		5	5.9	
		6	6.0	
		7	6.1	
		8	6.3	
		9	6.2	
		10	6.2	
		Avg	6.13	

1st Reading	927059		Mano. Diff.	Qp = 108.43 x 6.09 = 660.4 gpm
2nd Reading	927062	1	6.0	Qm = 1 x $\frac{3000}{4.382}$ = 684.6 gpm
Difference	3	2	6.1	% diff. = 100 x $\frac{-24.20}{660.36}$ = 3.67% fast
Elapsed Time	4 m 22.94 s	3	6.0	VOID? <input type="checkbox"/>
Total Minutes	4.382	4	6.2	<u>Notes</u>
		5	6.0	
		6	6.1	
		7	6.2	
		8	6.1	
		9	6.2	
		10	6.0	
		Avg	6.09	

Notes

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 10/23/23 through 10/27/23**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Montebello Land and Water CO	02S12W12M002S/7	Water Spec.	M	20111463-10	10/23/2023		2.2	Y
Montebello Land and Water CO	02S12W12E005S/9	Water Spec.	M	20111921-10	10/23/2023		0.9	Y
Montebello Land and Water CO	02S12W12E008S/12	Water Spec.	M	20092120-10	10/23/2023		0.4	Y
Montebello Land and Water CO	02S12W11G001S/14	Badger Meter	E*	2301-099/51671759	10/24/2023	2.8		Y
Montebello Land and Water CO	02S12W12E007S/8A	Badger Meter	E*	2208-190/51670243	10/24/2023		1.4	Y
Montebello Land and Water CO	02S12W11R004S/11A	Sparling	M	134471	10/24/2023	0.9		Y

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Montebello Land & Water Company	Meter Error: 2.2% slow	
State Well No.	02S12W12M002S	Type (D/M/E)	M
Owner No.	7	Make	Water Spec.
Basin	Central	Serial No.	20111463-10
Test Date	10/23/2023	No. of Dials	6
Tested By	AC, DH	Fixed Zeroes	
Recorded By	AC	Multi.	100
Last Test Date	2/11/2022	Units (gal/af/cf)	cf
		New meter?	
		Pipe In. Dia. (in)	12
		Pipe Area (in ²)	113.097
		Pipe ID'd?	

1st Reading	915013	Mano. Diff.	Qp = 113.10 x 7.21 = 815.4 gpm
2nd Reading	915018	1	7.0
Difference	5	2	7.2
Elapsed Time	4 m 53.30 s	3	7.2
Total Minutes	4.888	4	7.0
		5	7.3
		6	7.1
		7	7.2
		8	7.3
		9	7.4
		10	7.4
		Avg	7.21
			Qm = 7.48 x $\frac{500}{4.888}$ = 765.1 gpm
			% diff. = 100 x $\frac{50.34}{815.43}$ = 6.17% slow
			VOID? <input checked="" type="checkbox"/>
			<u>Notes</u>
			The manometer wasn't properly set. Performed reset of system, tightened valves and hoses after this test.

1st Reading	915068	Mano. Diff.	Qp = 113.10 x 7.20 = 814.3 gpm
2nd Reading	915071	1	7.3
Difference	3	2	7.3
Elapsed Time	2 m 49.28 s	3	7.2
Total Minutes	2.821	4	7.2
		5	7.2
		6	7.1
		7	7.0
		8	7.1
		9	7.3
		10	7.3
		Avg	7.20
			Qm = 7.48 x $\frac{300}{2.821}$ = 795.4 gpm
			% diff. = 100 x $\frac{18.93}{814.30}$ = 2.32% slow
			VOID? <input type="checkbox"/>
			<u>Notes</u>

1st Reading	915071	Mano. Diff.	Qp = 113.10 x 7.15 = 808.6 gpm
2nd Reading	915075	1	7.3
Difference	4	2	7.4
Elapsed Time	3 m 46.84 s	3	7.1
Total Minutes	3.781	4	7.0
		5	7.1
		6	7.0
		7	7.0
		8	7.1
		9	7.2
		10	7.3
		Avg	7.15
			Qm = 7.48 x $\frac{400}{3.781}$ = 791.4 gpm
			% diff. = 100 x $\frac{17.25}{808.65}$ = 2.13% slow
			VOID? <input type="checkbox"/>
			<u>Notes</u>

Notes

WATER METER TEST

Owner	Montebello Land & Water Company	Meter Error: 0.9% slow	
State Well No.	02S12W12E005S	Type (D/M/E)	M
Owner No.	9	Make	Water Spec.
Basin	Central	Serial No.	20111921-10
Test Date	10/23/2023	No. of Dials	
Tested By	AC, DH	Fixed Zeroes	
Recorded By	AC	Multi.	100
Last Test Date	12/20/2022	Units (gal/af/cf)	cf
		Pipe In. Dia. (in)	10
		Pipe Area (in ²)	78.540
		New meter?	
		Pipe ID'd?	

1st Reading	27008		Mano. Diff.	Qp = 78.54 x 11.19 = 878.9 gpm
2nd Reading	27011	1	11.2	Qm = 7.48 x $\frac{300}{2.615}$ = 858.0 gpm
Difference	3	2	11.4	% diff. = 100 x $\frac{20.84}{878.86}$ = 2.37% slow
Elapsed Time	2 m 36.92 s	3	11.2	VOID? <input type="checkbox"/>
Total Minutes	2.615	4	11.2	<u>Notes</u>
		5	11.2	
		6	11.2	
		7	11.1	
		8	11.2	
		9	11.1	
		10	11.1	
		Avg	11.19	

1st Reading	27011		Mano. Diff.	Qp = 78.54 x 11.02 = 865.5 gpm
2nd Reading	27014	1	11.1	Qm = 7.48 x $\frac{300}{2.622}$ = 855.8 gpm
Difference	3	2	10.9	% diff. = 100 x $\frac{9.73}{865.51}$ = 1.12% slow
Elapsed Time	2 m 37.33 s	3	11.0	VOID? <input type="checkbox"/>
Total Minutes	2.622	4	11.1	<u>Notes</u>
		5	11.1	
		6	11.0	
		7	11.0	
		8	10.9	
		9	11.1	
		10	11.0	
		Avg	11.02	

1st Reading	27007		Mano. Diff.	Qp = 78.54 x 11.03 = 866.3 gpm
2nd Reading	27008	1	11.2	Qm = 7.48 x $\frac{100}{0.856}$ = 874.0 gpm
Difference	1	2	11.1	% diff. = 100 x $\frac{-7.71}{866.29}$ = 0.89% fast
Elapsed Time	0 m 51.35 s	3	11.1	VOID? <input type="checkbox"/>
Total Minutes	0.856	4	11.0	<u>Notes</u>
		5	11.0	
		6	10.9	
		7	11.0	
		8	10.9	
		9	11.0	
		10	11.1	
		Avg	11.03	

Notes

Good balance and good test point (where gage is attached on side). VFD well, had to stabilize flow to perform accurate tests.

WATER METER TEST

Owner	Montebello Land & Water Company	Meter Error: 0.4% slow	
State Well No.	02S12W12E008S	Type (D/M/E)	M
Owner No.	12	Make	Water Spec.
Basin	Central	Serial No.	20092120-10
Test Date	10/23/2023	No. of Dials	6
Tested By	AC	Fixed Zeroes	
Recorded By	DH	Multi.	100
Last Test Date	2/13/2023	Units (gal/af/cf)	cf
			Pipe In. Dia. (in) 10
			Pipe Area (in ²) 78.540
			New meter? <input type="checkbox"/>
			Pipe ID'd? <input type="checkbox"/>

1st Reading	98076	Mano. Diff.	
2nd Reading	98077	1	Qp = 78.54 x 6.40 = 502.7 gpm
Difference	1	2	Qm = 7.48 x $\frac{100}{1.488}$ = 502.8 gpm
Elapsed Time	1 m 29.26 s	3	% diff. = 100 x $\frac{-0.15}{502.65}$ = 0.03% fast
Total Minutes	1.488	4	VOID? <input type="checkbox"/>
		5	<u>Notes</u>
		6	
		7	
		8	
		9	
		10	
		Avg	6.40

1st Reading	98077	Mano. Diff.	
2nd Reading	98078	1	Qp = 78.54 x 6.15 = 483.0 gpm
Difference	1	2	Qm = 7.48 x $\frac{100}{1.577}$ = 474.4 gpm
Elapsed Time	1 m 34.61 s	3	% diff. = 100 x $\frac{8.65}{483.02}$ = 1.79% slow
Total Minutes	1.577	4	VOID? <input type="checkbox"/>
		5	<u>Notes</u>
		6	
		7	
		8	
		9	
		10	
		Avg	6.15

1st Reading	98078	Mano. Diff.	
2nd Reading	98079	1	Qp = 78.54 x 6.81 = 534.9 gpm
Difference	1	2	Qm = 7.48 x $\frac{100}{1.391}$ = 537.9 gpm
Elapsed Time	1 m 23.43 s	3	% diff. = 100 x $\frac{-3.08}{534.86}$ = 0.58% fast
Total Minutes	1.391	4	VOID? <input type="checkbox"/>
		5	<u>Notes</u>
		6	
		7	
		8	
		9	
		10	
		Avg	6.81

Notes

Flow Meter is located on top in a pit in Montebello CO parking lot. Test point and well housing located on bottom of hill (side of property). Flow runs upward bend on the hill. Running on VFD.

WATER METER TEST

Owner	Montebello Land & Water Company	Meter Error: 2.8% fast	
State Well No.	02S12W11G001S	Type (D/M/E)	E
Owner No.	14	Make	Badger Meter
Basin	Central	Pipe In. Dia. (in)	14
Test Date	10/24/2023	Serial No.	01-099/516717
Tested By	AC	Pipe Area (in ²)	153.938
Recorded By	DH	No. of Dials	
		Fixed Zeroes	
		Multi.	10
		Units (gal/af/cf)	gal
Last Test Date	12/30/2022	New meter?	x
		Pipe ID'd?	x

1st Reading	2768470	Mano. Diff.	Qp = 153.94 x 7.62 = 1173.0 gpm
2nd Reading	2768660	1	7.7
Difference	190	2	7.6
Elapsed Time	1 m 34.17 s	3	7.7
Total Minutes	1.570	4	7.8
		5	7.5
		6	7.6
		7	7.5
		8	7.6
		9	7.5
		10	7.7
		Avg	7.62
			Qm = 1 x $\frac{1900}{1.570}$ = 1210.6 gpm
			% diff. = 100 x $\frac{-37.57}{1173.01}$ = 3.20% fast
			VOID? <input type="checkbox"/>
			<u>Notes</u>

1st Reading	2768660	Mano. Diff.	Qp = 153.94 x 7.67 = 1180.7 gpm
2nd Reading	2768982	1	7.7
Difference	322	2	7.8
Elapsed Time	2 m 39.23 s	3	7.8
Total Minutes	2.654	4	7.9
		5	7.6
		6	7.7
		7	7.5
		8	7.6
		9	7.5
		10	7.6
		Avg	7.67
			Qm = 1 x $\frac{3220}{2.654}$ = 1213.3 gpm
			% diff. = 100 x $\frac{-32.63}{1180.70}$ = 2.76% fast
			VOID? <input type="checkbox"/>
			<u>Notes</u>

1st Reading	2768982	Mano. Diff.	Qp = 153.94 x 8.31 = 1279.2 gpm
2nd Reading	2769272	1	7.9
Difference	290	2	8.0
Elapsed Time	2 m 12.98 s	3	8.3
Total Minutes	2.216	4	8.2
		5	8.3
		6	8.4
		7	8.5
		8	8.5
		9	8.4
		10	8.6
		Avg	8.31
			Qm = 1 x $\frac{2900}{2.216}$ = 1308.5 gpm
			% diff. = 100 x $\frac{-29.24}{1279.23}$ = 2.29% fast
			VOID? <input type="checkbox"/>
			<u>Notes</u>

Notes

WATER METER TEST

Owner	Montebello Land & Water Company	Meter Error: 1.4% slow	
State Well No.	02S12W12E007S	Type (D/M/E)	E
Owner No.	8A	Make	Badger Meter
Basin	Central	Pipe In. Dia. (in)	11 1/4
Test Date	10/24/2023	Serial No.	08-190/516702
Tested By	AC	Pipe Area (in ²)	99.402
Recorded By	AC	No. of Dials	
		Fixed Zeroes	
		Multi.	1
		New meter?	x
Last Test Date	9/3/2023	Units (gal/af/cf)	cf
		Pipe ID'd?	x

1st Reading	13060702	Mano. Diff.					
2nd Reading	13061125	1	9.4	Qp =	99.40	x	9.14 = 908.5 gpm
Difference	423	2	9.3	Qm =	7.48	x	$\frac{423}{3.419} = 925.5$ gpm
Elapsed Time	3 m 25.12 s	3	9.0	% diff. = 100	x	$\frac{-16.98}{908.53} = 1.87\%$	fast
Total Minutes	3.419	4	9.0				VOID? <input type="checkbox"/>
		5	9.1				<u>Notes</u>
		6	9.0				
		7	9.1				
		8	9.0				
		9	9.3				
		10	9.2				
		Avg	9.14				

1st Reading	13061125	Mano. Diff.					
2nd Reading	13062025	1	9.0	Qp =	99.40	x	9.49 = 943.3 gpm
Difference	900	2	9.3	Qm =	7.48	x	$\frac{900}{7.358} = 914.9$ gpm
Elapsed Time	7 m 21.47 s	3	9.4	% diff. = 100	x	$\frac{28.38}{943.32} = 3.01\%$	slow
Total Minutes	7.358	4	9.6				VOID? <input type="checkbox"/>
		5	9.7				<u>Notes</u>
		6	9.9				
		7	10.0				
		8	9.4				
		9	9.3				
		10	9.3				
		Avg	9.49				

1st Reading	13062025	Mano. Diff.					
2nd Reading	13062375	1	9.2	Qp =	99.40	x	9.46 = 940.3 gpm
Difference	350	2	9.5	Qm =	7.48	x	$\frac{350}{2.869} = 912.7$ gpm
Elapsed Time	2 m 52.11 s	3	9.7	% diff. = 100	x	$\frac{27.67}{940.34} = 2.94\%$	slow
Total Minutes	2.869	4	9.6				VOID? <input type="checkbox"/>
		5	9.5				<u>Notes</u>
		6	9.4				
		7	9.5				
		8	9.4				
		9	9.6				
		10	9.2				
		Avg	9.46				

Notes

WATER METER TEST

Owner	Montebello Land & Water Company	Meter Error: 0.9% fast	
State Well No.	02S12W11R004S		
Owner No.	11A	Type (D/M/E)	M
Basin	Central	Make	Sparling
Test Date	10/24/2023	Serial No.	134471
Tested By	AC	No. of Dials	6
Recorded By	AC	Fixed Zeroes	
		Multi.	100
Last Test Date	2/13/2023	Units (gal/af/cf)	cf
		New meter?	
		Pipe ID'd?	
		Pipe In. Dia. (in)	10
		Pipe Area (in ²)	78.540

1st Reading	69116	Mano. Diff.	Qp = 78.54 x 8.02 = 629.9 gpm
2nd Reading	69118	1	7.9
Difference	2	2	8.0
Elapsed Time	2 m 20.15 s	3	7.9
Total Minutes	2.336	4	8.2
		5	8.1
		6	7.9
		7	7.8
		8	8.0
		9	8.1
		10	8.3
		Avg	8.02
			Qm = 7.48 x $\frac{200}{2.336}$ = 640.5 gpm
			% diff. = 100 x $\frac{-10.57}{629.89}$ = 1.68% fast
			VOID? <input type="checkbox"/>
			<u>Notes</u>

1st Reading	69114	Mano. Diff.	Qp = 78.54 x 8.15 = 640.1 gpm
2nd Reading	69116	1	8.2
Difference	2	2	8.3
Elapsed Time	2 m 20.16 s	3	8.3
Total Minutes	2.336	4	8.4
		5	8.0
		6	7.9
		7	8.2
		8	8.3
		9	7.9
		10	8.0
		Avg	8.15
			Qm = 7.48 x $\frac{200}{2.336}$ = 640.4 gpm
			% diff. = 100 x $\frac{-0.31}{640.10}$ = 0.05% fast
			VOID? <input type="checkbox"/>
			<u>Notes</u>

1st Reading	69110	Mano. Diff.	Qp = 78.54 x 8.10 = 636.2 gpm
2nd Reading	69112	1	8.3
Difference	2	2	8.4
Elapsed Time	2 m 19.65 s	3	8.0
Total Minutes	2.328	4	8.1
		5	8.2
		6	8.1
		7	8.0
		8	7.8
		9	8.0
		10	8.1
		Avg	8.10
			Qm = 7.48 x $\frac{200}{2.328}$ = 642.7 gpm
			% diff. = 100 x $\frac{-6.58}{636.17}$ = 1.03% fast
			VOID? <input type="checkbox"/>
			<u>Notes</u>

Notes

Test point located at a water spigot on the side of the pipe.

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 11/01/23 through 11/03/23**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Lynwood, City of	03S13W10K001S/19	McCrometer	D	20121239-10	11/2/2023		2.8	Y
Lynwood, City of	03S13W12E004S/8	McCrometer	D*	20231322-12	11/2/2023		0.1	Y
Lynwood, City of	03S13W13D001S/9	McCrometer	D*	983378-12	11/2/2023	0.3		Y

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Lynwood, City of					Meter Error: 2.8% slow
State Well No.	03S13W10K001S					
Owner No.	19	Type (D/M/E)	D			
Basin	Central	Make	McCrometer	Pipe In. Dia. (in)	9 3/4	
Test Date	11/2/2023	Serial No.	20121239-10	Pipe Area (in ²)	74.662	
Tested By	AC	No. of Dials				
Recorded By	DH	Fixed Zeroes				
		Multi.	100	New meter?		
Last Test Date	12/19/2022	Units (gal/af/cf)	gal	Pipe ID'd?		

1st Reading	9127721		Mano. Diff.			Qp = 74.66 x 23.88 = 1782.9 gpm
2nd Reading	9127744	1	23.9			Qm = 1 x $\frac{2300}{1.333}$ = 1725.4 gpm
Difference	23	2	24.0			% diff. = 100 x $\frac{57.50}{1782.93}$ = 3.22% slow
Elapsed Time	1 m 19.98 s	3	24.0			VOID? <input type="checkbox"/>
Total Minutes	1.333	4	23.7			<u>Notes</u>
		5	24.1			
		6	23.8			
		7	23.6			
		8	23.8			
		9	23.9			
		10	24.0			
		Avg	23.88			

1st Reading	9127758		Mano. Diff.			Qp = 74.66 x 23.69 = 1768.7 gpm
2nd Reading	9127778	1	24.0			Qm = 1 x $\frac{2000}{1.165}$ = 1716.2 gpm
Difference	20	2	23.8			% diff. = 100 x $\frac{52.49}{1768.74}$ = 2.97% slow
Elapsed Time	1 m 9.92 s	3	23.5			VOID? <input type="checkbox"/>
Total Minutes	1.165	4	23.7			<u>Notes</u>
		5	23.6			
		6	23.7			
		7	23.5			
		8	23.6			
		9	24.0			
		10	23.5			
		Avg	23.69			

1st Reading	9127778		Mano. Diff.			Qp = 74.66 x 23.60 = 1762.0 gpm
2nd Reading	9127801	1	23.5			Qm = 1 x $\frac{2300}{1.336}$ = 1722.0 gpm
Difference	23	2	23.9			% diff. = 100 x $\frac{40.03}{1762.02}$ = 2.27% slow
Elapsed Time	1 m 20.14 s	3	23.7			VOID? <input type="checkbox"/>
Total Minutes	1.336	4	23.5			<u>Notes</u>
		5	23.6			
		6	23.7			
		7	23.4			
		8	23.5			
		9	23.5			
		10	23.7			
		Avg	23.60			

Notes

WATER METER TEST

Owner	Lynwood, City of			Meter Error: 0.1% slow
State Well No.	03S13W12E004S			
Owner No.	8	Type (D/M/E)	D	
Basin	Central	Make	McCrometer	Pipe In. Dia. (in) 12 5/16
Test Date	11/2/2023	Serial No.	20231322-12	Pipe Area (in ²) 119.065
Tested By	AC	No. of Dials		
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter? X
Last Test Date	12/19/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	4118		Mano. Diff.	Qp = 119.06 x 8.51 = 1013.2 gpm
2nd Reading	4120	1	8.6	Qm = 1 x $\frac{2000}{1.964}$ = 1018.6 gpm
Difference	2	2	8.5	% diff. = 100 x $\frac{-5.35}{1013.24}$ = 0.53% fast
Elapsed Time	1 m 57.81 s	3	8.4	VOID? <input type="checkbox"/>
Total Minutes	1.964	4	8.5	<u>Notes</u>
		5	8.6	
		6	8.2	
		7	8.5	
		8	8.5	
		9	8.6	
		10	8.7	
		Avg	8.51	

1st Reading	4120		Mano. Diff.	Qp = 119.06 x 8.59 = 1022.8 gpm
2nd Reading	4122	1	8.5	Qm = 1 x $\frac{2000}{1.965}$ = 1017.8 gpm
Difference	2	2	8.6	% diff. = 100 x $\frac{4.95}{1022.76}$ = 0.48% slow
Elapsed Time	1 m 57.90 s	3	8.6	VOID? <input type="checkbox"/>
Total Minutes	1.965	4	8.7	<u>Notes</u>
		5	8.5	
		6	8.6	
		7	8.7	
		8	8.6	
		9	8.6	
		10	8.5	
		Avg	8.59	

1st Reading	4122		Mano. Diff.	Qp = 119.06 x 8.55 = 1018.0 gpm
2nd Reading	4124	1	8.6	Qm = 1 x $\frac{2000}{1.970}$ = 1015.5 gpm
Difference	2	2	8.5	% diff. = 100 x $\frac{2.52}{1018.00}$ = 0.25% slow
Elapsed Time	1 m 58.17 s	3	8.4	VOID? <input type="checkbox"/>
Total Minutes	1.970	4	8.5	<u>Notes</u>
		5	8.5	
		6	8.6	
		7	8.6	
		8	8.7	
		9	8.6	
		10	8.5	
		Avg	8.55	

Notes

WATER METER TEST

Owner	Lynwood, City of			Meter Error: 0.3% fast
State Well No.	03S13W13D001S			
Owner No.	9	Type (D/M/E)	D	
Basin	Central	Make	McCrometer	Pipe In. Dia. (in) 12 5/16
Test Date	11/2/2023	Serial No.	983378-12	Pipe Area (in ²) 119.065
Tested By	AC	No. of Dials		
Recorded By	DH	Fixed Zeroes		
		Multi.	100	New meter? x
Last Test Date	12/19/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	422999		Mano. Diff.	Qp = 119.06 x 8.02 = 954.9 gpm
2nd Reading	423014	1	7.5	Qm = 1 x $\frac{1500}{1.567}$ = 957.4 gpm
Difference	15	2	8.0	% diff. = 100 x $\frac{-2.55}{954.90}$ = 0.27% fast
Elapsed Time	1 m 34.00 s	3	7.7	VOID? <input type="checkbox"/>
Total Minutes	1.567	4	7.8	<u>Notes</u>
		5	7.6	
		6	8.4	
		7	8.3	
		8	8.5	
		9	8.4	
		10	8.0	
		Avg	8.02	

1st Reading	423014		Mano. Diff.	Qp = 119.06 x 7.80 = 928.7 gpm
2nd Reading	423039	1	7.8	Qm = 1 x $\frac{2500}{2.650}$ = 943.3 gpm
Difference	25	2	7.8	% diff. = 100 x $\frac{-14.57}{928.70}$ = 1.57% fast
Elapsed Time	2 m 39.02 s	3	8.0	VOID? <input type="checkbox"/>
Total Minutes	2.650	4	8.0	<u>Notes</u>
		5	7.6	
		6	7.7	
		7	7.8	
		8	7.7	
		9	7.6	
		10	8.0	
		Avg	7.80	

1st Reading	423162		Mano. Diff.	Qp = 119.06 x 7.97 = 948.9 gpm
2nd Reading	423175	1	8.0	Qm = 1 x $\frac{1300}{1.385}$ = 938.7 gpm
Difference	13	2	7.8	% diff. = 100 x $\frac{10.20}{948.94}$ = 1.08% slow
Elapsed Time	1 m 23.09 s	3	7.8	VOID? <input type="checkbox"/>
Total Minutes	1.385	4	8.0	<u>Notes</u>
		5	8.0	
		6	8.0	
		7	8.1	
		8	7.9	
		9	8.1	
		10	8.0	
		Avg	7.97	

Notes

**PRODUCTION WELL METER TESTS
In the Central Basin for the
Week of 11/06/23 through 11/10/23**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Downey, City of	03S12W10N003S/30	McCrometer	D	E22-03954	11/7/2023		3.9	Y
Downey, City of	03S12W09G001S/29	Water Spec	D	20101882-10	11/7/2023	0.3		Y
Downey, City of	03S12W03M001S/19	Water Spec	M	20121055-10	11/7/2023		0.5	Y
Downey, City of	03S12W04Q002S/23	Water Spec	D	20101881-10	11/7/2023	1.6		Y
Downey, City of	03S12W03F001S/11	Water Spec	D	20080381-6	11/7/2023	0.9		Y
Downey, City of	03S12W04D002S/18	Water Spec	D	20080382-10	11/7/2023	0.5		Y
Downey, City of	03S12W33M001S/17	Water Spec	D	20041898-08	11/8/2023		1.6	Y
Downey, City of	02S12W28Q001S/8	Water Spec	D	20100271-10	11/8/2023	3.9		Y
Downey, City of	02S12W28J006S/7	Water Spec	D	20081111-10	11/8/2023		2.7	Y
Downey, City of	02S12W27R002S/4	Water Spec	D	973576-16	11/8/2023		2.1	Y
Downey, City of	02S12W34P001S/14	Water Spec	D	20080628-10	11/8/2023	0.3		Y
Downey, City of	02S12W35D004S/5	Water Spec	D	991458-08	11/8/2023	3.2		Y
Downey, City of	02S12W35P001S/10	Water Spec	D	20062559-10	11/9/2023	2.3		Y
Downey, City of	03S12W02H004S/12	Water Spec	D	20100272-12	11/9/2023	4.3		Y
Downey, City of	03S12W02L001S/15	Water Spec	D	20062560-10	11/9/2023	1.7		Y
Downey, City of	03S12W03J001S/16	Water Spec	D	990231-10	11/9/2023	0.2		Y

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Downey, City of							Meter Error: 3.9% slow
State Well No.	03S12W10N003S							
Owner No.	30	Type (D/M/E)	D					
Basin	Central	Make	McCrometer	Pipe In. Dia. (in)	10			
Test Date	11/7/2023	Serial No.	E22-03954	Pipe Area (in ²)	78.540			
Tested By	DH	No. of Dials	5					
Recorded By	AC	Fixed Zeroes						
		Multi.	1000	New meter?				
Last Test Date	1/19/2023	Units (gal/af/cf)	gal	Pipe ID'd?				

1st Reading	130619		Mano. Diff.						
2nd Reading	130621	1	11.5	Qp =	78.54	x	11.43	=	897.7 gpm
Difference	2	2	11.3	Qm =	1	x	$\frac{2000}{2.308}$	=	866.7 gpm
Elapsed Time	2 m 18.46 s	3	11.6	% diff. = 100	x	$\frac{31.03}{897.71}$	=	3.46%	slow
Total Minutes	2.308	4	11.5						VOID?
		5	11.4						
		6	11.5						
		7	11.4						
		8	11.6						
		9	11.3						
		10	11.2						
		Avg	11.43						

Notes

1st Reading	130625		Mano. Diff.						
2nd Reading	130626	1	10.2	Qp =	78.54	x	10.44	=	820.0 gpm
Difference	1	2	10.5	Qm =	1	x	$\frac{1000}{1.287}$	=	777.1 gpm
Elapsed Time	1 m 17.21 s	3	10.6	% diff. = 100	x	$\frac{42.85}{819.96}$	=	5.23%	slow
Total Minutes	1.287	4	10.4						VOID?
		5	10.4						
		6	10.7						
		7	10.1						
		8	10.3						
		9	10.5						
		10	10.7						
		Avg	10.44						

Notes

1st Reading	130618		Mano. Diff.						
2nd Reading	130619	1	11.1	Qp =	78.54	x	11.33	=	889.9 gpm
Difference	1	2	11.3	Qm =	1	x	$\frac{1000}{1.160}$	=	862.1 gpm
Elapsed Time	1 m 9.60 s	3	11.4	% diff. = 100	x	$\frac{27.79}{889.86}$	=	3.12%	slow
Total Minutes	1.160	4	11.3						VOID?
		5	11.3						
		6	11.2						
		7	11.4						
		8	11.4						
		9	11.5						
		10	11.4						
		Avg	11.33						

Notes

Notes

WATER METER TEST

Owner	Downey, City of			Meter Error: 0.3% fast
State Well No.	03S12W09G001S			
Owner No.	29	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 10 1/16
Test Date	11/7/2023	Serial No.	20101882-10	Pipe Area (in ²) 79.525
Tested By	AC	No. of Dials	6	
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	12/12/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	808015		Mano. Diff.	Qp = 79.52 x 12.19 = 969.4 gpm
2nd Reading	808017	1	12.4	Qm = 1 x $\frac{2000}{2.035}$ = 982.9 gpm
Difference	2	2	12.2	% diff. = 100 x $\frac{-13.48}{969.41}$ = 1.39% fast
Elapsed Time	2 m 2.09 s	3	12.2	VOID? <input type="checkbox"/>
Total Minutes	2.035	4	12.1	<u>Notes</u>
		5	12.0	
		6	12.3	
		7	12.0	
		8	12.2	
		9	12.1	
		10	12.4	
		Avg	12.19	

1st Reading	808017		Mano. Diff.	Qp = 79.52 x 12.09 = 961.5 gpm
2nd Reading	808019	1	12.1	Qm = 1 x $\frac{2000}{2.132}$ = 937.9 gpm
Difference	2	2	12.2	% diff. = 100 x $\frac{23.51}{961.45}$ = 2.45% slow
Elapsed Time	2 m 7.94 s	3	12.0	VOID? <input type="checkbox"/>
Total Minutes	2.132	4	12.0	<u>Notes</u>
		5	12.2	
		6	12.1	
		7	12.0	
		8	12.0	
		9	12.1	
		10	12.2	
		Avg	12.09	

1st Reading	808019		Mano. Diff.	Qp = 79.52 x 12.31 = 978.9 gpm
2nd Reading	808021	1	12.2	Qm = 1 x $\frac{2000}{2.004}$ = 997.9 gpm
Difference	2	2	12.3	% diff. = 100 x $\frac{-18.97}{978.95}$ = 1.94% fast
Elapsed Time	2 m 0.25 s	3	12.4	VOID? <input type="checkbox"/>
Total Minutes	2.004	4	12.3	<u>Notes</u>
		5	12.5	
		6	12.6	
		7	12.0	
		8	12.4	
		9	12.1	
		10	12.3	
		Avg	12.31	

Notes

WATER METER TEST

Owner	Downey, City of					Meter Error: 0.5% slow
State Well No.	03S12W03M001S					
Owner No.	19	Type (D/M/E)	M			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	10 1/4	
Test Date	11/7/2023	Serial No.	20121055-10	Pipe Area (in ²)	82.516	
Tested By	AC	No. of Dials	6			
Recorded By	AC	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	12/12/2022	Units (gal/af/cf)	gal	Pipe ID'd?	x	

1st Reading	235238		Mano. Diff.			Qp = 82.52 x 3.00 = 247.5 gpm
2nd Reading	235239	1	3.0			Qm = 1 x $\frac{1000}{3.791}$ = 263.8 gpm
Difference	1	2	3.0			% diff. = 100 x $\frac{-16.25}{247.55}$ = 6.56% fast
Ellapsed Time	3 m 47.45 s	3	3.5			VOID? <input type="checkbox"/>
Total Minutes	3.791	4	3.5			<u>Notes</u>
		5	2.0			
		6	3.0			
		7	3.0			
		8	3.0			
		9	3.0			
		10	3.0			
		Avg	3.00			

1st Reading	235239		Mano. Diff.			Qp = 82.52 x 3.30 = 272.3 gpm
2nd Reading	235240	1	3.5			Qm = 1 x $\frac{1000}{3.843}$ = 260.2 gpm
Difference	1	2	3.5			% diff. = 100 x $\frac{12.11}{272.30}$ = 4.45% slow
Ellapsed Time	3 m 50.60 s	3	3.0			VOID? <input type="checkbox"/>
Total Minutes	3.843	4	3.0			<u>Notes</u>
		5	3.0			
		6	3.5			
		7	3.0			
		8	3.5			
		9	3.5			
		10	3.5			
		Avg	3.30			

1st Reading	235240		Mano. Diff.			Qp = 82.52 x 2.20 = 181.5 gpm
2nd Reading	235241	1	3.0			Qm = 1 x $\frac{1000}{5.708}$ = 175.2 gpm
Difference	1	2	3.0			% diff. = 100 x $\frac{6.34}{181.53}$ = 3.49% slow
Ellapsed Time	5 m 42.47 s	3	2.0			VOID? <input type="checkbox"/>
Total Minutes	5.708	4	2.0			<u>Notes</u>
		5	2.0			
		6	2.0			
		7	2.0			
		8	2.0			
		9	2.0			
		10	2.0			
		Avg	2.20			

Notes

WATER METER TEST

Owner	Downey, City of			Meter Error: 1.6% fast
State Well No.	03S12W04Q002S			
Owner No.	23	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 10 1/4
Test Date	11/7/2023	Serial No.	20101881-10	Pipe Area (in ²) 82.516
Tested By	AC	No. of Dials	6	
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	12/12/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	2102894		Mano. Diff.	Qp = 82.52 x 11.36 = 937.4 gpm
2nd Reading	2102896	1	11.4	Qm = 1 x $\frac{2000}{2.103}$ = 951.2 gpm
Difference	2	2	11.5	% diff. = 100 x $\frac{-13.87}{937.38}$ = 1.48% fast
Elapsed Time	2 m 6.15 s	3	11.4	VOID? <input type="checkbox"/>
Total Minutes	2.103	4	11.4	<u>Notes</u>
		5	11.3	
		6	11.3	
		7	11.2	
		8	11.4	
		9	11.5	
		10	11.2	
		Avg	11.36	

1st Reading	2102896		Mano. Diff.	Qp = 82.52 x 11.32 = 934.1 gpm
2nd Reading	2102898	1	11.2	Qm = 1 x $\frac{2000}{2.114}$ = 945.9 gpm
Difference	2	2	11.3	% diff. = 100 x $\frac{-11.84}{934.08}$ = 1.27% fast
Elapsed Time	2 m 6.86 s	3	11.2	VOID? <input type="checkbox"/>
Total Minutes	2.114	4	11.3	<u>Notes</u>
		5	11.2	
		6	11.4	
		7	11.5	
		8	11.4	
		9	11.4	
		10	11.3	
		Avg	11.32	

1st Reading	2102898		Mano. Diff.	Qp = 82.52 x 11.80 = 973.7 gpm
2nd Reading	2102901	1	11.6	Qm = 1 x $\frac{3000}{3.016}$ = 994.6 gpm
Difference	3	2	11.7	% diff. = 100 x $\frac{-20.90}{973.69}$ = 2.15% fast
Elapsed Time	3 m 0.98 s	3	11.6	VOID? <input type="checkbox"/>
Total Minutes	3.016	4	11.5	<u>Notes</u>
		5	11.5	
		6	11.3	
		7	11.8	
		8	12.1	
		9	12.4	
		10	12.5	
		Avg	11.80	

Notes

WATERMASTER SERVICE WATER METER TEST

Owner	Downey, City of			Meter Error 0.9% fast
State Well No.	03S12W03F001S			
Owner No.	11	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 16
Test Date	11/7/2023	Serial No.	20080381-6	Pipe Area (in ²) 201.062
Tested By	AC	No. of Dials	7	
Recorded By	AC	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	10/6/2021	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	13119354		Mano. Diff.	Qp = 201.06 x 13.25 = 2664.1 gpm
2nd Reading	13119359	1	13.5	Qm = 1 x $\frac{5000}{1.853}$ = 2698.6 gpm
Difference	5	2	13.4	% diff. = 100 x $\frac{-34.50}{2664.07}$ = 1.29% fast
Elapsed Time	1 m 51.17 s	3	13.2	VOID? <input type="checkbox"/>
Total Minutes	1.853	4	13.3	<u>Notes</u>
		5	13.1	
		6	13.0	
		7	13.6	
		8	13.3	
		9	13.1	
		10	13.0	
		Avg	13.25	

1st Reading	13119359		Mano. Diff.	Qp = 201.06 x 12.87 = 2587.7 gpm
2nd Reading	13119366	1	13.0	Qm = 1 x $\frac{7000}{2.715}$ = 2578.0 gpm
Difference	7	2	13.2	% diff. = 100 x $\frac{9.71}{2587.67}$ = 0.38% slow
Elapsed Time	2 m 42.92 s	3	12.9	VOID? <input type="checkbox"/>
Total Minutes	2.715	4	12.9	<u>Notes</u>
		5	13.0	
		6	12.7	
		7	12.8	
		8	12.9	
		9	12.7	
		10	12.6	
		Avg	12.87	

1st Reading	13119366		Mano. Diff.	Qp = 201.06 x 11.75 = 2362.5 gpm
2nd Reading	13119372	1	11.0	Qm = 1 x $\frac{6000}{2.497}$ = 2402.6 gpm
Difference	6	2	11.1	% diff. = 100 x $\frac{-40.09}{2362.48}$ = 1.70% fast
Elapsed Time	2 m 29.84 s	3	11.3	VOID? <input type="checkbox"/>
Total Minutes	2.497	4	11.5	<u>Notes</u>
		5	11.4	
		6	12.0	
		7	12.4	
		8	12.5	
		9	12.3	
		10	12.0	
		Avg	11.75	

Notes

Well not tested by DWR since 2021

WATER METER TEST

Owner	Downey, City of			Meter Error: 0.5% fast
State Well No.	03S12W04D002S			
Owner No.	18	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 10
Test Date	11/7/2023	Serial No.	20080382-10	Pipe Area (in ²) 78.540
Tested By	AC	No. of Dials		
Recorded By	AC	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	1/17/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	2180893		Mano. Diff.	Qp = 78.54 x 7.03 = 552.1 gpm
2nd Reading	2180894	1	7.0	Qm = 1 x $\frac{1000}{1.717}$ = 582.3 gpm
Difference	1	2	7.1	% diff. = 100 x $\frac{-30.16}{552.13}$ = 5.46% fast
Elapsed Time	1 m 43.04 s	3	7.0	VOID? <input type="checkbox"/>
Total Minutes	1.717	4	7.2	<u>Notes</u>
		5	7.0	Good balance, well was just turned on for test
		6	6.9	
		7	7.0	
		8	7.1	
		9	7.0	
		10	7.0	
		Avg	7.03	

1st Reading	2180899		Mano. Diff.	Qp = 78.54 x 8.25 = 648.0 gpm
2nd Reading	2180903	1	8.4	Qm = 1 x $\frac{4000}{6.435}$ = 621.6 gpm
Difference	4	2	8.3	% diff. = 100 x $\frac{26.30}{647.95}$ = 4.06% slow
Elapsed Time	6 m 26.07 s	3	8.3	VOID? <input type="checkbox"/>
Total Minutes	6.435	4	8.4	<u>Notes</u>
		5	8.0	
		6	8.4	
		7	8.3	
		8	8.1	
		9	8.0	
		10	8.3	
		Avg	8.25	

1st Reading	2180903		Mano. Diff.	Qp = 78.54 x 7.92 = 622.0 gpm
2nd Reading	2180907	1	7.9	Qm = 1 x $\frac{4000}{6.433}$ = 621.8 gpm
Difference	4	2	8.0	% diff. = 100 x $\frac{0.24}{622.04}$ = 0.04% slow
Elapsed Time	6 m 25.98 s	3	7.9	VOID? <input type="checkbox"/>
Total Minutes	6.433	4	8.0	<u>Notes</u>
		5	7.8	
		6	7.9	
		7	8.0	
		8	7.9	
		9	8.0	
		10	7.8	
		Avg	7.92	

Notes

Well was turned on shortly after we arrived on site, for the future, wait longer to began testing

WATER METER TEST

Owner	Downey, City of	Meter Error: 1.6% slow		
State Well No.	03S12W33M001S	Type (D/M/E)	D	
Owner No.	17	Make	Water Spec.	Pipe In. Dia. (in) 8 1/16
Basin	Central	Serial No.	20041898-08	Pipe Area (in ²) 51.054
Test Date	11/8/2023	No. of Dials	6	
Tested By	AC	Fixed Zeroes		
Recorded By	AC	Multi.	1000	New meter?
Last Test Date	12/14/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	1996734		Mano. Diff.	Qp = 51.05 x 19.22 = 981.3 gpm
2nd Reading	1996736	1	19.4	Qm = 1 x $\frac{2000}{2.073}$ = 964.9 gpm
Difference	2	2	19.0	% diff. = 100 x $\frac{16.39}{981.26}$ = 1.67% slow
Elapsed Time	2 m 4.37 s	3	19.1	VOID? <input type="checkbox"/>
Total Minutes	2.073	4	19.2	<u>Notes</u>
		5	19.4	
		6	19.3	
		7	19.1	
		8	19.2	
		9	19.2	
		10	19.3	
		Avg	19.22	

1st Reading	1996724		Mano. Diff.	Qp = 51.05 x 18.62 = 950.6 gpm
2nd Reading	1996729	1	19.0	Qm = 1 x $\frac{5000}{5.324}$ = 939.1 gpm
Difference	5	2	18.8	% diff. = 100 x $\frac{11.51}{950.62}$ = 1.21% slow
Elapsed Time	5 m 19.45 s	3	19.1	VOID? <input type="checkbox"/>
Total Minutes	5.324	4	19.0	<u>Notes</u>
		5	18.9	
		6	19.0	
		7	18.8	
		8	18.0	
		9	17.8	
		10	17.8	
		Avg	18.62	

1st Reading	1996729		Mano. Diff.	Qp = 51.05 x 18.15 = 926.6 gpm
2nd Reading	1996732	1	18.8	Qm = 1 x $\frac{3000}{3.303}$ = 908.2 gpm
Difference	3	2	18.1	% diff. = 100 x $\frac{18.46}{926.63}$ = 1.99% slow
Elapsed Time	3 m 18.20 s	3	18.2	VOID? <input type="checkbox"/>
Total Minutes	3.303	4	18.0	<u>Notes</u>
		5	18.0	
		6	18.3	
		7	18.0	
		8	17.8	
		9	18.2	
		10	18.1	
		Avg	18.15	

Notes

WATERMASTER SERVICE WATER METER TEST

Owner	Downey, City of			Meter Error 3.9% fast
State Well No.	02S12W28Q001S			
Owner No.	8	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 7 3/4
Test Date	11/8/2023	Serial No.	20100271-10	Pipe Area (in ²) 47.173
Tested By	AC	No. of Dials	7	
Recorded By	AC	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	12/13/2022	Units (gal/af/cf)	gal	Pipe ID'd? x

1st Reading	3287786		Mano. Diff.	Qp = 47.17 x 19.25 = 908.1 gpm
2nd Reading	3287788	1	19.2	Qm = 1 x $\frac{2000}{2.105}$ = 950.2 gpm
Difference	2	2	19.3	% diff. = 100 x $\frac{-42.11}{908.08}$ = 4.64% fast
Elapsed Time	2 m 6.29 s	3	19.3	VOID? <input type="checkbox"/>
Total Minutes	2.105	4	19.4	<u>Notes</u>
		5	19.2	
		6	19.1	
		7	19.4	
		8	19.2	
		9	19.1	
		10	19.3	
		Avg	19.25	

1st Reading	3287788		Mano. Diff.	Qp = 47.17 x 20.55 = 969.4 gpm
2nd Reading	3287795	1	20.6	Qm = 1 x $\frac{7000}{7.067}$ = 990.5 gpm
Difference	7	2	20.7	% diff. = 100 x $\frac{-21.11}{969.40}$ = 2.18% fast
Elapsed Time	7 m 4.02 s	3	20.8	VOID? <input type="checkbox"/>
Total Minutes	7.067	4	20.9	<u>Notes</u>
		5	20.6	
		6	20.5	
		7	20.6	
		8	20.6	
		9	20.7	
		10	19.5	
		Avg	20.55	

1st Reading	3287795		Mano. Diff.	Qp = 47.17 x 19.61 = 925.1 gpm
2nd Reading	3287800	1	19.8	Qm = 1 x $\frac{5000}{5.160}$ = 969.0 gpm
Difference	5	2	19.7	% diff. = 100 x $\frac{-43.90}{925.06}$ = 4.75% fast
Elapsed Time	5 m 9.61 s	3	19.7	VOID? <input type="checkbox"/>
Total Minutes	5.160	4	19.6	<u>Notes</u>
		5	19.5	
		6	19.4	
		7	19.5	
		8	19.7	
		9	19.6	
		10	19.6	
		Avg	19.61	

Notes

WATERMASTER SERVICE WATER METER TEST

Owner	Downey, City of			Meter Error 2.7% slow
State Well No.	02S12W28J006S			
Owner No.	7	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 10 1/8
Test Date	11/8/2023	Serial No.	20081111-10	Pipe Area (in ²) 80.516
Tested By	AC	No. of Dials	6	
Recorded By	AC	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	12/14/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	973486		Mano. Diff.	Qp = 80.52 x 9.60 = 772.9 gpm
2nd Reading	973489	1	10.0	Qm = 1 x $\frac{3000}{4.032}$ = 744.0 gpm
Difference	3	2	9.7	% diff. = 100 x $\frac{28.90}{772.95}$ = 3.74% slow
Elapsed Time	4 m 1.92 s	3	9.5	VOID? <input type="checkbox"/>
Total Minutes	4.032	4	9.7	<u>Notes</u>
		5	9.3	
		6	9.6	
		7	9.7	
		8	9.5	
		9	9.6	
		10	9.4	
		Avg	9.60	

1st Reading	973489		Mano. Diff.	Qp = 80.52 x 9.64 = 776.2 gpm
2nd Reading	973492	1	9.5	Qm = 1 x $\frac{3000}{3.967}$ = 756.2 gpm
Difference	3	2	9.6	% diff. = 100 x $\frac{19.96}{776.17}$ = 2.57% slow
Elapsed Time	3 m 58.03 s	3	9.4	VOID? <input type="checkbox"/>
Total Minutes	3.967	4	9.5	<u>Notes</u>
		5	9.7	
		6	9.8	
		7	9.9	
		8	9.7	
		9	9.8	
		10	9.5	
		Avg	9.64	

1st Reading	973492		Mano. Diff.	Qp = 80.52 x 9.80 = 789.1 gpm
2nd Reading	973494	1	10.0	Qm = 1 x $\frac{2000}{2.581}$ = 774.8 gpm
Difference	2	2	9.7	% diff. = 100 x $\frac{14.26}{789.05}$ = 1.81% slow
Elapsed Time	2 m 34.88 s	3	9.6	VOID? <input type="checkbox"/>
Total Minutes	2.581	4	9.8	<u>Notes</u>
		5	9.9	
		6	9.6	
		7	9.7	
		8	10.0	
		9	9.9	
		10	9.8	
		Avg	9.80	

Notes

WATER METER TEST

Owner	Downey, City of					Meter Error: 2.1% slow
State Well No.	02S12W27R002S					
Owner No.	4	Type (D/M/E)	D			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	16	
Test Date	11/8/2023	Serial No.	973576-16	Pipe Area (in ²)	201.062	
Tested By	AC	No. of Dials	7			
Recorded By	AC	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	1/19/2023	Units (gal/af/cf)	gal	Pipe ID'd?		

1st Reading	10698863		Mano. Diff.			Qp = 201.06 x 13.82 = 2778.7 gpm
2nd Reading	10698869	1	13.7			Qm = 1 x $\frac{6000}{2.219}$ = 2703.9 gpm
Difference	6	2	13.9			% diff. = 100 x $\frac{74.76}{2778.68}$ = 2.69% slow
Elapsed Time	2 m 13.14 s	3	13.8			VOID? <input type="checkbox"/>
Total Minutes	2.219	4	13.9			<u>Notes</u>
		5	13.8			
		6	13.9			
		7	13.6			
		8	13.8			
		9	14.0			
		10	13.8			
		Avg	13.82			

1st Reading	10698869		Mano. Diff.			Qp = 201.06 x 13.60 = 2734.4 gpm
2nd Reading	10698876	1	13.8			Qm = 1 x $\frac{7000}{2.615}$ = 2676.7 gpm
Difference	7	2	13.9			% diff. = 100 x $\frac{57.75}{2734.44}$ = 2.11% slow
Elapsed Time	2 m 36.91 s	3	13.8			VOID? <input type="checkbox"/>
Total Minutes	2.615	4	13.9			<u>Notes</u>
		5	14.0			
		6	13.6			
		7	13.5			
		8	13.3			
		9	13.2			
		10	13.0			
		Avg	13.60			

1st Reading	10698876		Mano. Diff.			Qp = 201.06 x 13.50 = 2714.3 gpm
2nd Reading	10698882	1	13.2			Qm = 1 x $\frac{6000}{2.243}$ = 2675.2 gpm
Difference	6	2	13.5			% diff. = 100 x $\frac{39.15}{2714.34}$ = 1.44% slow
Elapsed Time	2 m 14.57 s	3	13.6			VOID? <input type="checkbox"/>
Total Minutes	2.243	4	13.4			<u>Notes</u>
		5	13.5			
		6	13.6			
		7	13.6			
		8	13.7			
		9	13.5			
		10	13.4			
		Avg	13.50			

Notes

WATER METER TEST

Owner	Downey, City of			Meter Error: 0.3% fast
State Well No.	02S12W34P001S			
Owner No.	14	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 8
Test Date	11/8/2023	Serial No.	20080628-10	Pipe Area (in ²) 50.265
Tested By	DH	No. of Dials	7	
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	10/22/2020	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	135295		Mano. Diff.	Qp = 50.27 x 14.82 = 744.9 gpm
2nd Reading	135296	1	14.9	Qm = 1 x $\frac{1000}{1.349}$ = 741.4 gpm
Difference	1	2	14.7	% diff. = 100 x $\frac{3.55}{744.93}$ = 0.48% slow
Elapsed Time	1 m 20.93 s	3	14.8	VOID? <input type="checkbox"/>
Total Minutes	1.349	4	14.8	<u>Notes</u>
		5	14.9	
		6	14.8	
		7	15.0	
		8	14.8	
		9	14.6	
		10	14.9	
		Avg	14.82	

1st Reading	6		Mano. Diff.	Qp = 50.27 x 14.89 = 748.5 gpm
2nd Reading	8	1	15.0	Qm = 1 x $\frac{2000}{2.616}$ = 764.4 gpm
Difference	2	2	14.9	% diff. = 100 x $\frac{-15.98}{748.45}$ = 2.13% fast
Elapsed Time	2 m 36.98 s	3	14.8	VOID? <input type="checkbox"/>
Total Minutes	2.616	4	14.7	<u>Notes</u>
		5	15.0	
		6	14.8	
		7	14.8	
		8	14.9	
		9	14.8	
		10	15.2	
		Avg	14.89	

1st Reading	8		Mano. Diff.	Qp = 50.27 x 14.86 = 746.9 gpm
2nd Reading	9	1	14.8	Qm = 1 x $\frac{1000}{1.351}$ = 740.2 gpm
Difference	1	2	14.8	% diff. = 100 x $\frac{6.75}{746.95}$ = 0.90% slow
Elapsed Time	1 m 21.06 s	3	15.0	VOID? <input type="checkbox"/>
Total Minutes	1.351	4	14.7	<u>Notes</u>
		5	15.0	
		6	14.8	
		7	14.8	
		8	14.9	
		9	14.8	
		10	15.0	
		Avg	14.86	

Notes

Well has not been tested by DWR since 2020.

WATERMASTER SERVICE WATER METER TEST

Owner	Downey, City of			Meter Error 3.2% fast
State Well No.	02S12W35D004S			
Owner No.	5	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 8
Test Date	11/8/2023	Serial No.	991458-08	Pipe Area (in ²) 50.265
Tested By	AC	No. of Dials	6	
Recorded By	AC	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	1/17/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	1173367		Mano. Diff.	Qp = 50.27 x 10.84 = 544.9 gpm
2nd Reading	1173369	1	11.2	Qm = 1 x $\frac{2000}{3.532}$ = 566.2 gpm
Difference	2	2	11.0	% diff. = 100 x $\frac{-21.35}{544.88}$ = 3.92% fast
Elapsed Time	3 m 31.93 s	3	10.7	VOID? <input type="checkbox"/>
Total Minutes	3.532	4	10.8	<u>Notes</u>
		5	10.6	
		6	10.9	
		7	11.0	
		8	10.7	
		9	10.6	
		10	10.9	
		Avg	10.84	

1st Reading	1173369		Mano. Diff.	Qp = 50.27 x 11.04 = 554.9 gpm
2nd Reading	1173371	1	11.0	Qm = 1 x $\frac{2000}{3.452}$ = 579.4 gpm
Difference	2	2	11.2	% diff. = 100 x $\frac{-24.47}{554.93}$ = 4.41% fast
Elapsed Time	3 m 27.11 s	3	10.9	VOID? <input type="checkbox"/>
Total Minutes	3.452	4	11.2	<u>Notes</u>
		5	10.8	
		6	10.9	
		7	11.1	
		8	11.2	
		9	11.0	
		10	11.1	
		Avg	11.04	

1st Reading	1173371		Mano. Diff.	Qp = 50.27 x 11.93 = 599.7 gpm
2nd Reading	1173373	1	12.0	Qm = 1 x $\frac{2000}{3.297}$ = 606.6 gpm
Difference	2	2	11.7	% diff. = 100 x $\frac{-6.94}{599.67}$ = 1.16% fast
Elapsed Time	3 m 17.82 s	3	11.9	VOID? <input type="checkbox"/>
Total Minutes	3.297	4	12.4	<u>Notes</u>
		5	12.0	
		6	12.1	
		7	11.8	
		8	11.8	
		9	11.6	
		10	12.0	
		Avg	11.93	

Notes

WATER METER TEST

Owner	Downey, City of	Meter Error: 2.3% fast		
State Well No.	02S12W35P001S			
Owner No.	10	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 10
Test Date	11/9/2023	Serial No.	20062559-10	Pipe Area (in ²) 78.540
Tested By	AC	No. of Dials	6	
Recorded By	AC	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	1/17/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	2005052		Mano. Diff.	Qp = 78.54 x 13.04 = 1024.2 gpm
2nd Reading	2005055	1	13.2	Qm = 1 x $\frac{3000}{2.964}$ = 1012.1 gpm
Difference	3	2	13.1	% diff. = 100 x $\frac{12.07}{1024.16}$ = 1.18% slow
Ellapsed Time	2 m 57.85 s	3	13.0	VOID? <input type="checkbox"/>
Total Minutes	2.964	4	13.1	<u>Notes</u>
		5	13.0	
		6	13.1	
		7	12.9	
		8	12.9	
		9	13.0	
		10	13.1	
		Avg	13.04	

1st Reading	2005055		Mano. Diff.	Qp = 78.54 x 12.68 = 995.9 gpm
2nd Reading	2005060	1	12.8	Qm = 1 x $\frac{5000}{4.781}$ = 1045.8 gpm
Difference	5	2	12.8	% diff. = 100 x $\frac{-49.96}{995.88}$ = 5.02% fast
Ellapsed Time	4 m 46.85 s	3	12.7	VOID? <input type="checkbox"/>
Total Minutes	4.781	4	12.7	<u>Notes</u>
		5	12.6	
		6	12.5	
		7	12.8	
		8	12.7	
		9	12.8	
		10	12.4	
		Avg	12.68	

1st Reading	2005060		Mano. Diff.	Qp = 78.54 x 13.05 = 1024.9 gpm
2nd Reading	2005065	1	13.2	Qm = 1 x $\frac{5000}{4.732}$ = 1056.6 gpm
Difference	5	2	13.0	% diff. = 100 x $\frac{-31.65}{1024.94}$ = 3.09% fast
Ellapsed Time	4 m 43.93 s	3	13.1	VOID? <input type="checkbox"/>
Total Minutes	4.732	4	12.9	<u>Notes</u>
		5	13.1	
		6	13.0	
		7	13.0	
		8	13.1	
		9	13.1	
		10	13.0	
		Avg	13.05	

Notes

WATER METER TEST

Owner	Downey, City of	Meter Error: 4.3% fast		
State Well No.	03S12W02H004S	Type (D/M/E)	D	
Owner No.	12	Make	Water Spec.	Pipe In. Dia. (in) 12
Basin	Central	Serial No.	20100272-12	Pipe Area (in ²) 113.097
Test Date	11/9/2023	No. of Dials	6	
Tested By	AC	Fixed Zeroes		
Recorded By	AC	Multi.	1000	New meter?
Last Test Date	1/19/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	3829006		Mano. Diff.	Qp = 113.10 x 14.19 = 1604.9 gpm
2nd Reading	3829010	1	14.2	Qm = 1 x $\frac{4000}{2.381}$ = 1679.7 gpm
Difference	4	2	14.1	% diff. = 100 x $\frac{-74.88}{1604.85}$ = 4.67% fast
Elapsed Time	2 m 22.88 s	3	13.7	VOID? <input type="checkbox"/>
Total Minutes	2.381	4	13.9	<u>Notes</u>
		5	14.0	
		6	13.8	
		7	14.2	
		8	14.6	
		9	14.7	
		10	14.7	
		Avg	14.19	

1st Reading	3829020		Mano. Diff.	Qp = 113.10 x 15.77 = 1783.5 gpm
2nd Reading	3829024	1	15.8	Qm = 1 x $\frac{4000}{2.153}$ = 1858.2 gpm
Difference	4	2	15.6	% diff. = 100 x $\frac{-74.62}{1783.54}$ = 4.18% fast
Elapsed Time	2 m 9.16 s	3	15.6	VOID? <input type="checkbox"/>
Total Minutes	2.153	4	15.7	<u>Notes</u>
		5	15.8	
		6	15.9	
		7	15.9	
		8	15.7	
		9	15.9	
		10	15.8	
		Avg	15.77	

1st Reading	3829030		Mano. Diff.	Qp = 113.10 x 15.03 = 1699.9 gpm
2nd Reading	3829032	1	15.5	Qm = 1 x $\frac{2000}{1.132}$ = 1767.6 gpm
Difference	2	2	15.3	% diff. = 100 x $\frac{-67.71}{1699.85}$ = 3.98% fast
Elapsed Time	1 m 7.89 s	3	15.6	VOID? <input type="checkbox"/>
Total Minutes	1.132	4	15.6	<u>Notes</u>
		5	15.0	
		6	14.8	
		7	14.7	
		8	14.5	
		9	14.7	
		10	14.6	
		Avg	15.03	

Notes

WATER METER TEST

Owner	Downey, City of			Meter Error: 1.7% fast
State Well No.	03S12W02L001S			
Owner No.	15	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 10
Test Date	11/9/2023	Serial No.	20062560-10	Pipe Area (in ²) 78.540
Tested By	AC	No. of Dials	6	
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	1/19/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	1167373		Mano. Diff.	Qp = 78.54 x 11.60 = 911.1 gpm
2nd Reading	1167375	1	11.3	Qm = 1 x $\frac{2000}{2.143}$ = 933.4 gpm
Difference	2	2	11.1	% diff. = 100 x $\frac{-22.35}{911.06}$ = 2.45% fast
Elapsed Time	2 m 8.56 s	3	11.4	VOID? <input type="checkbox"/>
Total Minutes	2.143	4	11.7	<u>Notes</u>
		5	11.6	
		6	11.8	
		7	11.9	
		8	11.5	
		9	11.7	
		10	12.0	
		Avg	11.60	

1st Reading	1167378		Mano. Diff.	Qp = 78.54 x 10.50 = 824.7 gpm
2nd Reading	1167379	1	10.5	Qm = 1 x $\frac{1000}{1.200}$ = 833.7 gpm
Difference	1	2	10.6	% diff. = 100 x $\frac{-9.01}{824.67}$ = 1.09% fast
Elapsed Time	1 m 11.97 s	3	10.7	VOID? <input type="checkbox"/>
Total Minutes	1.200	4	10.5	<u>Notes</u>
		5	10.4	
		6	10.5	
		7	10.7	
		8	10.2	
		9	10.5	
		10	10.4	
		Avg	10.50	

1st Reading	1167379		Mano. Diff.	Qp = 78.54 x 10.46 = 821.5 gpm
2nd Reading	1167380	1	10.5	Qm = 1 x $\frac{1000}{1.199}$ = 834.1 gpm
Difference	1	2	10.6	% diff. = 100 x $\frac{-12.62}{821.53}$ = 1.54% fast
Elapsed Time	1 m 11.93 s	3	10.4	VOID? <input type="checkbox"/>
Total Minutes	1.199	4	10.3	<u>Notes</u>
		5	10.5	
		6	10.6	
		7	10.5	
		8	10.3	
		9	10.4	
		10	10.5	
		Avg	10.46	

Notes

Well is under high pressure, will need two people to insert pitot tube into Test Point.

WATER METER TEST

Owner	Downey, City of					Meter Error: 0.2% fast
State Well No.	03S12W03J001S					
Owner No.	16	Type (D/M/E)	D			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	10	
Test Date	11/9/2023	Serial No.	990231-10	Pipe Area (in ²)	78.540	
Tested By	AC	No. of Dials	7			
Recorded By	AC	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	9/29/2021	Units (gal/af/cf)	gal	Pipe ID'd?		

1st Reading	3384804		Mano. Diff.			
2nd Reading	3384806	1	10.2		Qp = 78.54 x 10.21 = 801.9 gpm	
Difference	2	2	10.0		Qm = 1 x $\frac{2000}{2.533}$ = 789.6 gpm	
Elapsed Time	2 m 31.97 s	3	10.2		% diff. = 100 x $\frac{12.26}{801.89}$ = 1.53% slow	
Total Minutes	2.533	4	10.3			VOID? <input type="checkbox"/>
		5	10.2			
		6	10.3			
		7	10.1			
		8	10.3			
		9	10.2			
		10	10.3			
		Avg	10.21			

Notes

1st Reading	3384806		Mano. Diff.			
2nd Reading	3384810	1	11.9		Qp = 78.54 x 11.93 = 937.0 gpm	
Difference	4	2	11.8		Qm = 1 x $\frac{4000}{4.124}$ = 969.9 gpm	
Elapsed Time	4 m 7.44 s	3	11.8		% diff. = 100 x $\frac{-32.95}{936.98}$ = 3.52% fast	
Total Minutes	4.124	4	12.1			VOID? <input type="checkbox"/>
		5	11.8			
		6	11.9			
		7	12.3			
		8	12.2			
		9	11.8			
		10	11.7			
		Avg	11.93			

Notes

1st Reading	3384810		Mano. Diff.			
2nd Reading	3384813	1	11.7		Qp = 78.54 x 11.47 = 900.9 gpm	
Difference	3	2	11.4		Qm = 1 x $\frac{3000}{3.376}$ = 888.8 gpm	
Elapsed Time	3 m 22.53 s	3	11.3		% diff. = 100 x $\frac{12.09}{900.85}$ = 1.34% slow	
Total Minutes	3.376	4	11.4			VOID? <input type="checkbox"/>
		5	11.5			
		6	11.5			
		7	11.6			
		8	11.4			
		9	11.5			
		10	11.4			
		Avg	11.47			

Notes

Notes

Well was last tested by DWR in 2021

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 11/13/23 through 11/17/23**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Cerritos, City of	03S11W29N006S/C-1	Murphy 555	D	N/A	11/15/2023	0.5		Y
Cerritos, City of	03S11W28G005S/C-2	Teleprod-Corp	D	C2-8100-8202	11/15/2023		0.5	Y
Cerritos, City of	03S11W26J003S/C-4	Red-Lion	D	N/A	11/15/2023	3.0		Y

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Cerritos, City of	Meter Error: 0.5% fast		
State Well No.	03S11W29N006S	Type (D/M/E)	D	
Owner No.	C-1	Make	Murphy 555	Pipe In. Dia. (in) 11 9/16
Basin	Central	Serial No.	N/A	Pipe Area (in ²) 105.001
Test Date	11/15/2023	No. of Dials	8	
Tested By	DH	Fixed Zeroes		
Recorded By	DH	Multi.	1000	New meter?
Last Test Date	11/1/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	12289535	Mano. Diff.		Qp = 105.00 x 15.49 = 1626.5 gpm
2nd Reading	12289540	1	15.5	Qm = 1 x $\frac{5000}{2.968}$ = 1684.5 gpm
Difference	5	2	15.3	% diff. = 100 x $\frac{-58.08}{1626.47}$ = 3.57% fast
Elapsed Time	2 m 58.09 s	3	15.6	VOID? <input checked="" type="checkbox"/>
Total Minutes	2.968	4	15.6	<u>Notes</u>
		5	15.6	manometer valve leaking and loose, tighten and reset manometer after test
		6	15.5	
		7	15.4	
		8	15.4	
		9	15.5	
		10	15.5	
		Avg	15.49	

1st Reading	12289550	Mano. Diff.		Qp = 105.00 x 15.97 = 1676.9 gpm
2nd Reading	12289554	1	16.0	Qm = 1 x $\frac{4000}{2.375}$ = 1684.3 gpm
Difference	4	2	16.0	% diff. = 100 x $\frac{-7.46}{1676.87}$ = 0.45% fast
Elapsed Time	2 m 22.49 s	3	15.8	VOID? <input type="checkbox"/>
Total Minutes	2.375	4	15.9	<u>Notes</u>
		5	16.0	
		6	16.0	
		7	16.0	
		8	15.9	
		9	16.0	
		10	16.1	
		Avg	15.97	

1st Reading	12289554	Mano. Diff.		Qp = 105.00 x 15.83 = 1662.2 gpm
2nd Reading	12289557	1	15.8	Qm = 1 x $\frac{3000}{1.793}$ = 1672.9 gpm
Difference	3	2	15.7	% diff. = 100 x $\frac{-10.70}{1662.17}$ = 0.64% fast
Elapsed Time	1 m 47.60 s	3	15.9	VOID? <input type="checkbox"/>
Total Minutes	1.793	4	15.9	<u>Notes</u>
		5	16.0	
		6	15.8	
		7	15.7	
		8	15.8	
		9	15.8	
		10	15.9	
		Avg	15.83	

Notes

WATER METER TEST

Owner	Cerritos, City of			Meter Error: 0.5% slow
State Well No.	03S11W28G005S			
Owner No.	C-2	Type (D/M/E)	D	
Basin	Central	Make	Teleprod-Corp	Pipe In. Dia. (in) 14 1/8
Test Date	11/15/2023	Serial No.	C2-8100-8202	Pipe Area (in ²) 156.699
Tested By	DH	No. of Dials		
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	11/1/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	9331490	Mano. Diff.		$Q_p = 156.70 \times 22.64 = 3547.7 \text{ gpm}$
2nd Reading	9331496	1	22.4	$Q_m = 1 \times \frac{6000}{1.718} = 3492.8 \text{ gpm}$
Difference	6	2	22.6	$\% \text{ diff.} = 100 \times \frac{54.90}{3547.67} = 1.55\% \text{ slow}$
Elapsed Time	1 m 43.07 s	3	22.3	VOID? <input type="checkbox"/>
Total Minutes	1.718	4	23.0	<u>Notes</u>
		5	22.6	
		6	22.6	
		7	22.7	
		8	22.8	
		9	22.8	
		10	22.6	
		Avg	22.64	

1st Reading	9331496	Mano. Diff.		$Q_p = 156.70 \times 22.64 = 3547.7 \text{ gpm}$
2nd Reading	9331507	1	23.0	$Q_m = 1 \times \frac{11000}{3.149} = 3493.4 \text{ gpm}$
Difference	11	2	22.7	$\% \text{ diff.} = 100 \times \frac{54.31}{3547.67} = 1.53\% \text{ slow}$
Elapsed Time	3 m 8.93 s	3	22.4	VOID? <input type="checkbox"/>
Total Minutes	3.149	4	23.0	<u>Notes</u>
		5	22.6	
		6	22.4	
		7	22.4	
		8	22.3	
		9	23.0	
		10	22.6	
		Avg	22.64	

1st Reading	9331507	Mano. Diff.		$Q_p = 156.70 \times 22.83 = 3577.4 \text{ gpm}$
2nd Reading	9331519	1	22.9	$Q_m = 1 \times \frac{12000}{3.300} = 3636.4 \text{ gpm}$
Difference	12	2	22.7	$\% \text{ diff.} = 100 \times \frac{-58.92}{3577.44} = 1.65\% \text{ fast}$
Elapsed Time	3 m 18.00 s	3	23.0	VOID? <input type="checkbox"/>
Total Minutes	3.300	4	22.8	<u>Notes</u>
		5	23.0	
		6	22.6	
		7	22.6	
		8	23.2	
		9	22.8	
		10	22.7	
		Avg	22.83	

Notes

WATER METER TEST

Owner	Cerritos, City of			Meter Error: 3.0% fast
State Well No.	03S11W26J003S			
Owner No.	C-4	Type (D/M/E)	D	
Basin	Central	Make	Red-Lion	Pipe In. Dia. (in) 13 11/16
Test Date	11/15/2023	Serial No.	N/A	Pipe Area (in ²) 147.143
Tested By	DH	No. of Dials	7	
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	11/1/2022	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	10128855	Mano. Diff.		$Q_p = 147.14 \times 15.96 = 2348.4 \text{ gpm}$
2nd Reading	10128861	1	16.2	$Q_m = 1 \times \frac{6000}{2.498} = 2401.6 \text{ gpm}$
Difference	6	2	15.9	$\% \text{ diff.} = 100 \times \frac{-53.21}{2348.39} = 2.27\% \text{ fast}$
Elapsed Time	2 m 29.90 s	3	16.0	VOID? <input type="checkbox"/>
Total Minutes	2.498	4	16.3	<u>Notes</u>
		5	16.1	
		6	16.1	
		7	15.9	
		8	15.8	
		9	15.5	
		10	15.8	
		Avg	15.96	

1st Reading	10128861	Mano. Diff.		$Q_p = 147.14 \times 16.17 = 2379.3 \text{ gpm}$
2nd Reading	10128868	1	16.4	$Q_m = 1 \times \frac{7000}{2.835} = 2469.0 \text{ gpm}$
Difference	7	2	16.1	$\% \text{ diff.} = 100 \times \frac{-89.70}{2379.29} = 3.77\% \text{ fast}$
Elapsed Time	2 m 50.11 s	3	16.5	VOID? <input type="checkbox"/>
Total Minutes	2.835	4	16.0	<u>Notes</u>
		5	15.9	
		6	15.9	
		7	16.2	
		8	16.3	
		9	16.1	
		10	16.3	
		Avg	16.17	

1st Reading	10128868	Mano. Diff.		$Q_p = 147.14 \times 15.83 = 2329.3 \text{ gpm}$
2nd Reading	10128878	1	16.0	$Q_m = 1 \times \frac{10000}{4.170} = 2398.2 \text{ gpm}$
Difference	10	2	15.7	$\% \text{ diff.} = 100 \times \frac{-68.91}{2329.27} = 2.96\% \text{ fast}$
Elapsed Time	4 m 10.19 s	3	16.0	VOID? <input type="checkbox"/>
Total Minutes	4.170	4	15.5	<u>Notes</u>
		5	15.8	
		6	16.0	
		7	15.7	
		8	15.8	
		9	15.8	
		10	16.0	
		Avg	15.83	

Notes

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 12/04/23 through 12/08/23**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Tract 349 Mutual Water Company	02S13W31D001S/3	Sparling	M	131715	12/6/2023	0.9		Y
Tract 349 Mutual Water Company	02S13W25D006S/Well No.4	Water Spec.	M	20191571-10	12/6/2023	2.4		Y
Tract 180 Mutual Water Company	02S13W25H006S/6	Water Spec.	M	20092497-12	12/6/2023	1.3		Y
Tract 180 Mutual Water Company	02S13W25H008S/5	McCrometer	M	10-00900-12	12/6/2023	1.6		Y
Lakewood, City of	03S12W34F001S/LK018	Water Spec.	D	891050-08	12/7/2023		0.3	Y
Lakewood, City of	03S12W33A007S/LK002A	McCrometer	E*	UP21-103	12/7/2023	0.8		Y
Downey, City of	03S12W09B001S/25	Water Spec.	D	20041900-10	12/7/2023	0.5		Y

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Tract 349 Mutual Water Company			Meter Error: 0.9% fast
State Well No.	02S13W31D001S			
Owner No.	3	Type (D/M/E)	M	
Basin	Central	Make	Sparling	Pipe In. Dia. (in) 10
Test Date	12/6/2023	Serial No.	131715	Pipe Area (in ²) 78.540
Tested By	BZ	No. of Dials	6	
Recorded By	BZ	Fixed Zeroes		
		Multi.	100	New meter?
Last Test Date	2/7/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	295245		Mano. Diff.	Qp = 78.54 x 9.39 = 737.5 gpm
2nd Reading	295257	1	9.3	Qm = 1 x $\frac{1200}{1.613}$ = 743.8 gpm
Difference	12	2	9.3	% diff. = 100 x $\frac{-6.31}{737.49}$ = 0.86% fast
Elapsed Time	1 m 36.80 s	3	9.4	VOID?
Total Minutes	1.613	4	9.3	<u>Notes</u>
		5	9.5	
		6	9.4	
		7	9.4	
		8	9.5	
		9	9.4	
		10	9.4	
		Avg	9.39	

1st Reading	295235		Mano. Diff.	Qp = 78.54 x 9.36 = 735.1 gpm
2nd Reading	295245	1	9.3	Qm = 1 x $\frac{1000}{1.348}$ = 742.0 gpm
Difference	10	2	9.4	% diff. = 100 x $\frac{-6.89}{735.13}$ = 0.94% fast
Elapsed Time	1 m 20.86 s	3	9.4	VOID?
Total Minutes	1.348	4	9.4	<u>Notes</u>
		5	9.4	
		6	9.4	
		7	9.3	
		8	9.3	
		9	9.3	
		10	9.4	
		Avg	9.36	

1st Reading	295105		Mano. Diff.	Qp = 78.54 x 9.26 = 727.3 gpm
2nd Reading	295113	1	9.2	Qm = 1 x $\frac{800}{1.157}$ = 691.3 gpm
Difference	8	2	9.2	% diff. = 100 x $\frac{35.93}{727.28}$ = 4.94% slow
Elapsed Time	1 m 9.43 s	3	9.3	VOID? x
Total Minutes	1.157	4	9.3	<u>Notes</u>
		5	9.2	Reset manometer setup, well tured on waited for pressure to stablize
		6	9.3	
		7	9.3	
		8	9.2	
		9	9.3	
		10	9.3	
		Avg	9.26	

Notes

WATER METER TEST

Owner	Tract 349 Mutual Water Company			Meter Error: 2.4% fast	
State Well No.	02S13W25D006S				
Owner No.	Well No.4	Type (D/M/E)	M		
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	10
Test Date	12/6/2023	Serial No.	20191571-10	Pipe Area (in ²)	78.540
Tested By	BZ	No. of Dials	6		
Recorded By	BZ	Fixed Zeroes		New meter?	
		Multi.	1000	Pipe ID'd?	
Last Test Date	2/7/2023	Units (gal/af/cf)	gal		

1st Reading	493254		Mano. Diff.		Qp = 78.54 x 15.46 = 1214.2 gpm
2nd Reading	493257	1	15.5		Qm = 1 x $\frac{3000}{2.407}$ = 1246.3 gpm
Difference	3	2	15.5		% diff. = 100 x $\frac{-32.05}{1214.23}$ = 2.64% fast
Elapsed Time	2 m 24.43 s	3	15.3		VOID? <input type="checkbox"/>
Total Minutes	2.407	4	15.4		<u>Notes</u>
		5	15.4		
		6	15.4		
		7	15.4		
		8	15.6		
		9	15.6		
		10	15.5		
		Avg	15.46		

1st Reading	493262		Mano. Diff.		Qp = 78.54 x 15.52 = 1218.9 gpm
2nd Reading	493265	1	15.6		Qm = 1 x $\frac{3000}{2.390}$ = 1255.2 gpm
Difference	3	2	15.6		% diff. = 100 x $\frac{-36.29}{1218.94}$ = 2.98% fast
Elapsed Time	2 m 23.40 s	3	15.4		VOID? <input type="checkbox"/>
Total Minutes	2.390	4	15.5		<u>Notes</u>
		5	15.5		
		6	15.5		
		7	15.6		
		8	15.4		
		9	15.6		
		10	15.5		
		Avg	15.52		

1st Reading	493265		Mano. Diff.		Qp = 78.54 x 15.83 = 1243.3 gpm
2nd Reading	493268	1	15.8		Qm = 1 x $\frac{3000}{2.377}$ = 1262.1 gpm
Difference	3	2	15.8		% diff. = 100 x $\frac{-18.81}{1243.29}$ = 1.51% fast
Elapsed Time	2 m 22.62 s	3	15.8		VOID? <input type="checkbox"/>
Total Minutes	2.377	4	15.9		<u>Notes</u>
		5	15.9		
		6	15.8		
		7	15.9		
		8	15.9		
		9	15.8		
		10	15.7		
		Avg	15.83		

Notes

WATER METER TEST

Owner	Tract 180 Mutual Water Company			Meter Error: 1.3% fast
State Well No.	02S13W25H006S			
Owner No.	6	Type (D/M/E)	M	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 12
Test Date	12/6/2023	Serial No.	20092497-12	Pipe Area (in ²) 113.097
Tested By	BZ	No. of Dials	6	
Recorded By	BZ	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	2/13/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	1244530		Mano. Diff.	Qp = 113.10 x 16.56 = 1872.9 gpm
2nd Reading	1244534	1	16.6	Qm = 1 x $\frac{4000}{2.127}$ = 1880.9 gpm
Difference	4	2	16.6	% diff. = 100 x $\frac{-7.99}{1872.89}$ = 0.43% fast
Elapsed Time	2 m 7.60 s	3	16.5	VOID?
Total Minutes	2.127	4	16.7	<u>Notes</u>
		5	16.6	
		6	16.5	
		7	16.3	
		8	16.6	
		9	16.5	
		10	16.7	
		Avg	16.56	

1st Reading	1244536		Mano. Diff.	Qp = 113.10 x 16.53 = 1869.5 gpm
2nd Reading	1244540	1	16.6	Qm = 1 x $\frac{4000}{2.105}$ = 1899.9 gpm
Difference	4	2	16.5	% diff. = 100 x $\frac{-30.44}{1869.50}$ = 1.63% fast
Elapsed Time	2 m 6.32 s	3	16.6	VOID?
Total Minutes	2.105	4	16.3	<u>Notes</u>
		5	16.5	
		6	16.6	
		7	16.6	
		8	16.5	
		9	16.6	
		10	16.5	
		Avg	16.53	

1st Reading	1244540		Mano. Diff.	Qp = 113.10 x 16.51 = 1867.2 gpm
2nd Reading	1244545	1	16.6	Qm = 1 x $\frac{5000}{2.632}$ = 1899.6 gpm
Difference	5	2	16.5	% diff. = 100 x $\frac{-32.34}{1867.24}$ = 1.73% fast
Elapsed Time	2 m 37.93 s	3	16.6	VOID?
Total Minutes	2.632	4	16.5	<u>Notes</u>
		5	16.5	
		6	16.4	
		7	16.5	
		8	16.6	
		9	16.5	
		10	16.4	
		Avg	16.51	

Notes

WATER METER TEST

Owner	Tract 180 Mutual Water Company		Meter Error: 1.6% fast	
State Well No.	02S13W25H008S			
Owner No.	5	Type (D/M/E)	M	
Basin	Central	Make	McCrometer	Pipe In. Dia. (in) 12 1/8
Test Date	12/6/2023	Serial No.	10-00900-12	Pipe Area (in ²) 115.466
Tested By	BZ DH	No. of Dials		
Recorded By	BZ	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	2/13/2023	Units (gal/af/cf)	gal	Pipe ID'd? x

1st Reading	1062658		Mano. Diff.	Qp = 115.47 x 16.66 = 1923.7 gpm
2nd Reading	1062663	1	16.6	Qm = 1 x $\frac{5000}{2.632}$ = 1899.7 gpm
Difference	5	2	16.8	% diff. = 100 x $\frac{23.96}{1923.66}$ = 1.25% slow
Ellapsed Time	2 m 37.92 s	3	16.5	VOID?
Total Minutes	2.632	4	16.5	<u>Notes</u>
		5	16.8	
		6	16.6	
		7	16.6	
		8	16.9	
		9	16.5	
		10	16.8	
		Avg	16.66	

1st Reading	1062796		Mano. Diff.	Qp = 115.47 x 16.70 = 1928.3 gpm
2nd Reading	1062808	1	16.7	Qm = 1 x $\frac{12000}{6.067}$ = 1978.0 gpm
Difference	12	2	16.8	% diff. = 100 x $\frac{-49.74}{1928.28}$ = 2.58% fast
Ellapsed Time	6 m 4.00 s	3	16.7	VOID?
Total Minutes	6.067	4	16.5	<u>Notes</u>
		5	16.7	
		6	16.7	
		7	16.9	
		8	16.7	
		9	16.6	
		10	16.7	
		Avg	16.70	

1st Reading	1062784		Mano. Diff.	Qp = 115.47 x 16.39 = 1892.5 gpm
2nd Reading	1062787	1	16.5	Qm = 1 x $\frac{3000}{1.532}$ = 1958.0 gpm
Difference	3	2	16.5	% diff. = 100 x $\frac{-65.53}{1892.48}$ = 3.46% fast
Ellapsed Time	1 m 31.93 s	3	16.2	VOID?
Total Minutes	1.532	4	16.0	<u>Notes</u>
		5	16.9	
		6	16.1	
		7	16.9	
		8	16.2	
		9	16.0	
		10	16.6	
		Avg	16.39	

Notes

WATER METER TEST

Owner	Lakewood, City of	Meter Error: 0.3% slow		
State Well No.	03S12W34F001S	Type (D/M/E)	D	
Owner No.	LK018	Make	Water Spec.	Pipe In. Dia. (in) 8 1/4
Basin	Central	Serial No.	891050-08	Pipe Area (in ²) 53.456
Test Date	12/7/2023	No. of Dials	6	
Tested By	DH	Fixed Zeroes		
Recorded By	DH	Multi.	1000	New meter?
Last Test Date	11/16/2022	Units (gal/af/cf)	gal	Pipe ID'd? X

1st Reading	2123742		Mano. Diff.	Qp = 53.46 x 14.55 = 777.8 gpm
2nd Reading	2123744	1	14.5	Qm = 1 x $\frac{2000}{2.575}$ = 776.8 gpm
Difference	2	2	14.5	% diff. = 100 x $\frac{0.99}{777.79}$ = 0.13% slow
Elapsed Time	2 m 34.48 s	3	14.5	VOID? <input type="checkbox"/>
Total Minutes	2.575	4	14.6	<u>Notes</u>
		5	14.5	
		6	14.5	
		7	14.5	
		8	14.6	
		9	14.7	
		10	14.6	
		Avg	14.55	

1st Reading	2123744		Mano. Diff.	Qp = 53.46 x 14.61 = 781.0 gpm
2nd Reading	2123746	1	14.7	Qm = 1 x $\frac{2000}{2.570}$ = 778.2 gpm
Difference	2	2	14.8	% diff. = 100 x $\frac{2.78}{780.99}$ = 0.36% slow
Elapsed Time	2 m 34.20 s	3	14.7	VOID? <input type="checkbox"/>
Total Minutes	2.570	4	14.6	<u>Notes</u>
		5	14.7	
		6	14.5	
		7	14.5	
		8	14.5	
		9	14.6	
		10	14.5	
		Avg	14.61	

1st Reading	2123746		Mano. Diff.	Qp = 53.46 x 14.61 = 781.0 gpm
2nd Reading	2123748	1	14.6	Qm = 1 x $\frac{2000}{2.568}$ = 778.8 gpm
Difference	2	2	14.7	% diff. = 100 x $\frac{2.18}{780.99}$ = 0.28% slow
Elapsed Time	2 m 34.08 s	3	14.7	VOID? <input type="checkbox"/>
Total Minutes	2.568	4	14.8	<u>Notes</u>
		5	14.5	
		6	14.5	
		7	14.5	
		8	14.6	
		9	14.6	
		10	14.6	
		Avg	14.61	

Notes

WATER METER TEST

Owner	Lakewood, City of					Meter Error: 0.8% fast
State Well No.	03S12W33A007S					
Owner No.	LK002A	Type (D/M/E)	E			
Basin	Central	Make	McCrometer	Pipe In. Dia. (in)	8 1/4	
Test Date	12/7/2023	Serial No.	UP21-103	Pipe Area (in ²)	53.456	
Tested By	DH	No. of Dials				
Recorded By	DH	Fixed Zeroes				
		Multi.	1000	New meter?	X	
Last Test Date	10/5/2021	Units (gal/af/cf)	gal	Pipe ID'd?	X	

1st Reading	16813		Mano. Diff.			$Q_p = 53.46 \times 8.58 = 458.7 \text{ gpm}$
2nd Reading	16814	1	8.5			$Q_m = 1 \times \frac{1000}{2.165} = 462.0 \text{ gpm}$
Difference	1	2	8.8			$\% \text{ diff.} = 100 \times \frac{-3.35}{458.65} = 0.73\% \text{ fast}$
Elapsed Time	2 m 9.87 s	3	8.6			VOID? <input type="checkbox"/>
Total Minutes	2.165	4	8.6			<u>Notes</u>
		5	8.7			
		6	8.5			
		7	8.5			
		8	8.5			
		9	8.6			
		10	8.5			
		Avg	8.58			

1st Reading	16814		Mano. Diff.			$Q_p = 53.46 \times 8.56 = 457.6 \text{ gpm}$
2nd Reading	16815	1	8.5			$Q_m = 1 \times \frac{1000}{2.165} = 461.9 \text{ gpm}$
Difference	1	2	8.4			$\% \text{ diff.} = 100 \times \frac{-4.31}{457.58} = 0.94\% \text{ fast}$
Elapsed Time	2 m 9.90 s	3	8.6			VOID? <input type="checkbox"/>
Total Minutes	2.165	4	8.5			<u>Notes</u>
		5	8.6			
		6	8.5			
		7	8.7			
		8	8.6			
		9	8.7			
		10	8.5			
		Avg	8.56			

1st Reading	16815		Mano. Diff.			$Q_p = 53.46 \times 8.57 = 458.1 \text{ gpm}$
2nd Reading	16816	1	8.7			$Q_m = 1 \times \frac{1000}{2.164} = 462.1 \text{ gpm}$
Difference	1	2	8.6			$\% \text{ diff.} = 100 \times \frac{-4.02}{458.12} = 0.88\% \text{ fast}$
Elapsed Time	2 m 9.83 s	3	8.6			VOID? <input type="checkbox"/>
Total Minutes	2.164	4	8.7			<u>Notes</u>
		5	8.5			
		6	8.5			
		7	8.5			
		8	8.5			
		9	8.5			
		10	8.6			
		Avg	8.57			

Notes

New meter, last test done by DWR in 2021.

WATER METER TEST

Owner	Downey, City of						Meter Error: 0.5% fast
State Well No.	03S12W09B001S						
Owner No.	25	Type (D/M/E)	D				
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	10		
Test Date	12/7/2023	Serial No.	20041900-10	Pipe Area (in ²)	78.540		
Tested By	DH	No. of Dials	6				
Recorded By	DH	Fixed Zeroes					
		Multi.	1000	New meter?			
Last Test Date	12/12/2022	Units (gal/af/cf)	gal	Pipe ID'd?			

1st Reading	1000		Mano. Diff.				
2nd Reading	1001	1	7.0	Qp =	78.54	x	7.18 = 563.9 gpm
Difference	1	2	7.0	Qm =	1	x	$\frac{1000}{1.769} = 565.3$ gpm
Elapsed Time	1 m 46.14 s	3	7.0	% diff. =	100	x	$\frac{-1.38}{563.92} = 0.24\%$ fast
Total Minutes	1.769	4	7.2				VOID? <input type="checkbox"/>
		5	7.1				<u>Notes</u>
		6	7.1				
		7	7.4				
		8	7.3				
		9	7.3				
		10	7.4				
		Avg	7.18				

1st Reading	1001		Mano. Diff.				
2nd Reading	1002	1	7.5	Qp =	78.54	x	7.16 = 562.3 gpm
Difference	1	2	7.3	Qm =	1	x	$\frac{1000}{1.749} = 571.9$ gpm
Elapsed Time	1 m 44.92 s	3	7.2	% diff. =	100	x	$\frac{-9.52}{562.35} = 1.69\%$ fast
Total Minutes	1.749	4	7.0				VOID? <input type="checkbox"/>
		5	7.1				<u>Notes</u>
		6	7.2				
		7	7.2				
		8	7.1				
		9	7.0				
		10	7.0				
		Avg	7.16				

1st Reading	1002		Mano. Diff.				
2nd Reading	1003	1	7.4	Qp =	78.54	x	7.33 = 575.7 gpm
Difference	1	2	7.6	Qm =	1	x	$\frac{1000}{1.742} = 574.0$ gpm
Elapsed Time	1 m 44.53 s	3	7.0	% diff. =	100	x	$\frac{1.70}{575.70} = 0.30\%$ slow
Total Minutes	1.742	4	7.3				VOID? <input type="checkbox"/>
		5	7.2				<u>Notes</u>
		6	7.5				
		7	7.3				
		8	7.5				
		9	7.1				
		10	7.4				
		Avg	7.33				

Notes

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 12/11/23 through 12/15/23**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
South Montebello Irrigation District	02S12W13B008S/3	Sparling	M	135252	12/13/2023	0.8		Y
South Montebello Irrigation District	02S12W13D007S/5	Sparling	M	130384	12/13/2023	4.0		Y
Maywood Mutual Water Company No. 3	02S12W19C003S/7	Sparling	M	132112	12/13/2023		2.1	Y
Maywood Mutual Water Company No. 3	02S12W19J003S/4	Water Specs.	M	20211612-10	12/13/2023		0.2	Y
Pico Rivera, City of	02S12W25G001S/W12	McCrometer	M	13-02527-10	12/14/2023	1.6		Y
Pico Rivera, City of	02S12W26D007S/W5	McCrometer	D	20-04536-12	12/14/2023	0.4		Y
Pico Rivera, City of	02S12W23B004S/W3	McCrometer	M	E21-03076	12/14/2023	3.1		Y

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	South Montebello Irrigation District	Meter Error: 0.8% fast	
State Well No.	02S12W13B008S		
Owner No.	3	Type (D/M/E)	M
Basin	Central	Make	Sparling
Test Date	12/13/2023	Serial No.	135252
Tested By	AC	No. of Dials	6
Recorded By	AC	Fixed Zeroes	2
		Multi.	100
Last Test Date	2/14/2023	Units (gal/af/cf)	cf
		New meter?	
		Pipe ID'd?	
		Pipe In. Dia. (in)	11.5
		Pipe Area (in ²)	103.869

1st Reading	1778	Mano. Diff.	
2nd Reading	1781	1	8.9
Difference	3	2	9.0
Elapsed Time	2 m 24.71 s	3	8.8
Total Minutes	2.412	4	8.9
		5	8.8
		6	8.9
		7	9.0
		8	8.8
		9	8.7
		10	8.8
		Avg	8.86
			$Q_p = 103.87 \times 8.86 = 920.3 \text{ gpm}$ $Q_m = 7.48 \times \frac{300}{2.412} = 930.4 \text{ gpm}$ $\% \text{ diff.} = 100 \times \frac{-10.13}{920.28} = 1.10\% \text{ fast}$ VOID? <input type="checkbox"/>
<u>Notes</u>			

1st Reading	1781	Mano. Diff.	
2nd Reading	1784	1	8.8
Difference	3	2	8.9
Elapsed Time	2 m 24.39 s	3	8.9
Total Minutes	2.407	4	8.8
		5	9.0
		6	8.7
		7	8.7
		8	8.8
		9	8.9
		10	9.0
		Avg	8.85
			$Q_p = 103.87 \times 8.85 = 919.2 \text{ gpm}$ $Q_m = 7.48 \times \frac{300}{2.407} = 932.5 \text{ gpm}$ $\% \text{ diff.} = 100 \times \frac{-13.23}{919.24} = 1.44\% \text{ fast}$ VOID? <input type="checkbox"/>
<u>Notes</u>			

1st Reading	1784	Mano. Diff.	
2nd Reading	1787	1	9.0
Difference	3	2	9.0
Elapsed Time	2 m 24.88 s	3	8.9
Total Minutes	2.415	4	9.1
		5	9.0
		6	9.1
		7	9.0
		8	8.9
		9	8.9
		10	8.8
		Avg	8.97
			$Q_p = 103.87 \times 8.97 = 931.7 \text{ gpm}$ $Q_m = 7.48 \times \frac{300}{2.415} = 929.3 \text{ gpm}$ $\% \text{ diff.} = 100 \times \frac{2.38}{931.70} = 0.26\% \text{ slow}$ VOID? <input type="checkbox"/>
<u>Notes</u>			

Notes

WATER METER TEST

Owner	South Montebello Irrigation District	Meter Error: 4.0% fast		
State Well No.	02S12W13D007S			
Owner No.	5	Type (D/M/E)	M	
Basin	Central	Make	Sparling	Pipe In. Dia. (in) 9.5
Test Date	12/13/2023	Serial No.	130384	Pipe Area (in ²) 70.882
Tested By	AC	No. of Dials	6	
Recorded By	AC	Fixed Zeroes	2	
		Multi.	100	New meter?
Last Test Date	5/4/2023	Units (gal/af/cf)	cf	Pipe ID'd?

1st Reading	63321		Mano. Diff.	Qp = 70.88 x 8.76 = 620.9 gpm
2nd Reading	63323	1	8.9	Qm = 7.48 x $\frac{200}{2.306}$ = 648.7 gpm
Difference	2	2	9.0	% diff. = 100 x $\frac{-27.77}{620.93}$ = 4.47% fast
Elapsed Time	2 m 18.37 s	3	8.5	VOID? <input type="checkbox"/>
Total Minutes	2.306	4	8.9	<u>Notes</u>
		5	8.4	
		6	9.0	
		7	8.9	
		8	8.7	
		9	8.8	
		10	8.5	
		Avg	8.76	

1st Reading	63323		Mano. Diff.	Qp = 70.88 x 8.94 = 633.7 gpm
2nd Reading	63333	1	8.9	Qm = 7.48 x $\frac{1000}{11.340}$ = 659.6 gpm
Difference	10	2	9.0	% diff. = 100 x $\frac{-25.93}{633.69}$ = 4.09% fast
Elapsed Time	11 m 20.39 s	3	8.7	VOID? <input type="checkbox"/>
Total Minutes	11.340	4	8.9	<u>Notes</u>
		5	8.9	
		6	9.0	
		7	9.1	
		8	9.0	
		9	9.1	
		10	8.8	
		Avg	8.94	

1st Reading	63333		Mano. Diff.	Qp = 70.88 x 8.94 = 633.7 gpm
2nd Reading	63337	1	8.6	Qm = 7.48 x $\frac{400}{4.559}$ = 656.3 gpm
Difference	4	2	8.9	% diff. = 100 x $\frac{-22.60}{633.69}$ = 3.57% fast
Elapsed Time	4 m 33.54 s	3	9.1	VOID? <input type="checkbox"/>
Total Minutes	4.559	4	9.0	<u>Notes</u>
		5	8.9	
		6	9.0	
		7	8.8	
		8	8.9	
		9	9.2	
		10	9.0	
		Avg	8.94	

Notes

WATER METER TEST

Owner	Maywood Mutual Water Company No. 3	Meter Error: 2.1% slow	
State Well No.	02S12W19C003S	Type (D/M/E)	M
Owner No.	7	Make	Sparling
Basin	Central	Pipe In. Dia. (in)	7 1/8
Test Date	12/13/2023	Serial No.	132112
Tested By	AC	No. of Dials	6
Recorded By	AC	Fixed Zeroes	
		Multi.	10
Last Test Date	2/11/2022	Units (gal/af/cf)	cf
		New meter?	
		Pipe ID'd?	

1st Reading	353109		Mano. Diff.	Qp = 39.87 x 12.58 = 501.6 gpm
2nd Reading	353130	1	12.6	Qm = 7.48 x $\frac{210}{3.196}$ = 491.6 gpm
Difference	21	2	12.6	% diff. = 100 x $\frac{10.01}{501.58}$ = 2.00% slow
Elapsed Time	3 m 11.73 s	3	12.6	VOID? <input type="checkbox"/>
Total Minutes	3.196	4	12.5	<u>Notes</u>
		5	12.6	
		6	12.7	
		7	12.5	
		8	12.5	
		9	12.6	
		10	12.6	
		Avg	12.58	

1st Reading	353130		Mano. Diff.	Qp = 39.87 x 12.59 = 502.0 gpm
2nd Reading	353154	1	12.6	Qm = 7.48 x $\frac{240}{3.657}$ = 490.8 gpm
Difference	24	2	12.5	% diff. = 100 x $\frac{11.13}{501.98}$ = 2.22% slow
Elapsed Time	3 m 39.44 s	3	12.5	VOID? <input type="checkbox"/>
Total Minutes	3.657	4	12.6	<u>Notes</u>
		5	12.5	
		6	12.6	
		7	12.6	
		8	12.7	
		9	12.6	
		10	12.7	
		Avg	12.59	

1st Reading	353154		Mano. Diff.	Qp = 39.87 x 12.58 = 501.6 gpm
2nd Reading	353173	1	12.6	Qm = 7.48 x $\frac{190}{2.896}$ = 490.8 gpm
Difference	19	2	12.7	% diff. = 100 x $\frac{10.75}{501.58}$ = 2.14% slow
Elapsed Time	2 m 53.73 s	3	12.8	VOID? <input type="checkbox"/>
Total Minutes	2.896	4	12.6	<u>Notes</u>
		5	12.5	
		6	12.6	
		7	12.6	
		8	12.5	
		9	12.4	
		10	12.5	
		Avg	12.58	

Notes

WATER METER TEST

Owner	Maywood Mutual Water Company No.3	Meter Error: 0.2% slow	
State Well No.	02S12W19J003S	Type (D/M/E)	M
Owner No.	4	Make	Water Specs.
Basin	Central	Serial No.	20211612-10
Test Date	12/13/2023	No. of Dials	6
Tested By	AC	Fixed Zeroes	
Recorded By	AC	Multi.	100
Last Test Date	2/9/2023	Units (gal/af/cf)	cf
			Pipe In. Dia. (in) 10 1/4
			Pipe Area (in ²) 82.516
			New meter? <input type="checkbox"/>
			Pipe ID'd? <input type="checkbox"/>

1st Reading	312344		Mano. Diff.	Qp = 82.52 x 12.42 = 1024.8 gpm
2nd Reading	312349	1	12.5	Qm = 7.48 x $\frac{500}{3.660}$ = 1021.8 gpm
Difference	5	2	12.4	% diff. = 100 x $\frac{3.08}{1024.85}$ = 0.30% slow
Elapsed Time	3 m 39.62 s	3	12.3	VOID? <input type="checkbox"/>
Total Minutes	3.660	4	12.5	<u>Notes</u>
		5	12.3	
		6	12.5	
		7	12.4	
		8	12.5	
		9	12.4	
		10	12.4	
		Avg	12.42	

1st Reading	312349		Mano. Diff.	Qp = 82.52 x 12.41 = 1024.0 gpm
2nd Reading	312353	1	12.4	Qm = 7.48 x $\frac{400}{2.937}$ = 1018.8 gpm
Difference	4	2	12.5	% diff. = 100 x $\frac{5.24}{1024.02}$ = 0.51% slow
Elapsed Time	2 m 56.21 s	3	12.4	VOID? <input type="checkbox"/>
Total Minutes	2.937	4	12.3	<u>Notes</u>
		5	12.4	
		6	12.5	
		7	12.6	
		8	12.3	
		9	12.2	
		10	12.5	
		Avg	12.41	

1st Reading	321353		Mano. Diff.	Qp = 82.52 x 12.33 = 1017.4 gpm
2nd Reading	321356	1	12.4	Qm = 7.48 x $\frac{300}{2.198}$ = 1020.8 gpm
Difference	3	2	12.3	% diff. = 100 x $\frac{-3.35}{1017.42}$ = 0.33% fast
Elapsed Time	2 m 11.90 s	3	12.4	VOID? <input type="checkbox"/>
Total Minutes	2.198	4	12.3	<u>Notes</u>
		5	12.2	
		6	12.4	
		7	12.3	
		8	12.3	
		9	12.4	
		10	12.3	
		Avg	12.33	

Notes

WATER METER TEST

Owner	Pico Rivera, City of				Meter Error: 1.6% fast
State Well No.	02S12W25G001S				
Owner No.	W12	Type (D/M/E)	M		
Basin	Central	Make	McCrometer	Pipe In. Dia. (in)	10
Test Date	12/14/2023	Serial No.	13-02527-10	Pipe Area (in ²)	78.540
Tested By	BZ	No. of Dials	6		
Recorded By	BZ	Fixed Zeroes			
		Multi.	100	New meter?	
Last Test Date	10/27/2022	Units (gal/af/cf)	cf	Pipe ID'd?	

1st Reading	894943		Mano. Diff.		Qp = 78.54 x 13.27 = 1042.2 gpm
2nd Reading	894947	1	14.1		Qm = 7.48 x $\frac{400}{2.883}$ = 1037.9 gpm
Difference	4	2	14.2		% diff. = 100 x $\frac{4.36}{1042.22}$ = 0.42% slow
Elapsed Time	2 m 52.97 s	3	13.1		VOID? <input type="checkbox"/>
Total Minutes	2.883	4	13.0		<u>Notes</u>
		5	13.0		
		6	13.0		
		7	13.0		
		8	13.1		
		9	13.2		
		10	13.0		
		Avg	13.27		

1st Reading	894947		Mano. Diff.		Qp = 78.54 x 13.21 = 1037.5 gpm
2nd Reading	894951	1	13.4		Qm = 7.48 x $\frac{400}{2.830}$ = 1057.2 gpm
Difference	4	2	13.2		% diff. = 100 x $\frac{-19.67}{1037.51}$ = 1.90% fast
Elapsed Time	2 m 49.81 s	3	13.2		VOID? <input type="checkbox"/>
Total Minutes	2.830	4	13.2		<u>Notes</u>
		5	13.3		
		6	13.2		
		7	13.2		
		8	13.2		
		9	13.0		
		10	13.2		
		Avg	13.21		

1st Reading	894951		Mano. Diff.		Qp = 78.54 x 13.12 = 1030.4 gpm
2nd Reading	894955	1	12.5		Qm = 7.48 x $\frac{400}{2.812}$ = 1063.9 gpm
Difference	4	2	13.1		% diff. = 100 x $\frac{-33.44}{1030.44}$ = 3.25% fast
Elapsed Time	2 m 48.74 s	3	13.1		VOID? <input type="checkbox"/>
Total Minutes	2.812	4	13.5		<u>Notes</u>
		5	13.5		
		6	13.3		
		7	13.1		
		8	13.0		
		9	13.0		
		10	13.1		
		Avg	13.12		

Notes

WATER METER TEST

Owner	Pico Rivera, City of				Meter Error: 0.4% fast
State Well No.	02S12W26D007S				
Owner No.	W5	Type (D/M/E)	D		
Basin	Central	Make	McCrometer	Pipe In. Dia. (in)	11 3/8
Test Date	12/14/2023	Serial No.	20-04536-12	Pipe Area (in ²)	101.623
Tested By	BZ	No. of Dials	6		
Recorded By	BZ	Fixed Zeroes			
		Multi.	100	New meter?	
Last Test Date	10/27/2022	Units (gal/af/cf)	cf	Pipe ID'd?	

1st Reading	43216		Mano. Diff.	Qp = 101.62 x 6.61 = 671.7 gpm
2nd Reading	43221	1	6.5	Qm = 7.48 x $\frac{500}{5.343}$ = 700.0 gpm
Difference	5	2	6.5	% diff. = 100 x $\frac{-28.27}{671.73}$ = 4.21% fast
Elapsed Time	5 m 20.57 s	3	6.5	VOID? <input type="checkbox"/>
Total Minutes	5.343	4	7.0	<u>Notes</u>
		5	7.2	variable flow between 600-700 gpm
		6	7.4	
		7	6.5	
		8	6.5	
		9	6.0	
		10	6.0	
		Avg	6.61	

1st Reading	43223		Mano. Diff.	Qp = 101.62 x 7.53 = 765.2 gpm
2nd Reading	43226	1	7.2	Qm = 7.48 x $\frac{300}{2.926}$ = 767.0 gpm
Difference	3	2	7.5	% diff. = 100 x $\frac{-1.78}{765.22}$ = 0.23% fast
Elapsed Time	2 m 55.54 s	3	7.5	VOID? <input type="checkbox"/>
Total Minutes	2.926	4	7.2	<u>Notes</u>
		5	7.2	
		6	7.3	
		7	7.4	
		8	8.0	
		9	8.1	
		10	7.9	
		Avg	7.53	

1st Reading	43226		Mano. Diff.	Qp = 101.62 x 7.99 = 812.0 gpm
2nd Reading	43230	1	7.0	Qm = 7.48 x $\frac{400}{3.803}$ = 786.7 gpm
Difference	4	2	7.9	% diff. = 100 x $\frac{25.29}{811.97}$ = 3.11% slow
Elapsed Time	3 m 48.20 s	3	8.3	VOID? <input type="checkbox"/>
Total Minutes	3.803	4	8.5	<u>Notes</u>
		5	8.2	variable flow between 700-800 gpm
		6	8.6	
		7	8.1	
		8	7.9	
		9	7.7	
		10	7.7	
		Avg	7.99	

Notes

WATER METER TEST

Owner	Pico Rivera, City of				Meter Error: 3.1% fast
State Well No.	02S12W23B004S				
Owner No.	W3	Type (D/M/E)	M		
Basin	Central	Make	McCrometer	Pipe In. Dia. (in)	11
Test Date	12/14/2023	Serial No.	E21-03076	Pipe Area (in ²)	95.033
Tested By	BZ	No. of Dials	6		
Recorded By	DH	Fixed Zeroes			
		Multi.	100	New meter?	
Last Test Date	10/27/2022	Units (gal/af/cf)	cf	Pipe ID'd?	

1st Reading	59432.5		Mano. Diff.		Qp = 95.03 x 11.02 = 1047.3 gpm
2nd Reading	59434	1	11.2		Qm = 7.48 x $\frac{150}{1.053}$ = 1065.7 gpm
Difference	1.5	2	10.6		% diff. = 100 x $\frac{-18.43}{1047.27}$ = 1.76% fast
Elapsed Time	1 m 3.17 s	3	11.1		VOID? <input type="checkbox"/>
Total Minutes	1.053	4	10.9		<u>Notes</u>
		5	10.9		
		6	10.8		
		7	11.0		
		8	11.1		
		9	11.0		
		10	11.6		
		Avg	11.02		

1st Reading	59434		Mano. Diff.		Qp = 95.03 x 10.89 = 1034.9 gpm
2nd Reading	59437	1	10.9		Qm = 7.48 x $\frac{300}{2.082}$ = 1078.1 gpm
Difference	3	2	10.7		% diff. = 100 x $\frac{-43.16}{1034.91}$ = 4.17% fast
Elapsed Time	2 m 4.89 s	3	10.5		VOID? <input type="checkbox"/>
Total Minutes	2.082	4	10.6		<u>Notes</u>
		5	10.8		
		6	11.0		
		7	11.3		
		8	10.9		
		9	10.8		
		10	11.4		
		Avg	10.89		

1st Reading	59437		Mano. Diff.		Qp = 95.03 x 11.02 = 1047.3 gpm
2nd Reading	59439	1	10.5		Qm = 7.48 x $\frac{200}{1.383}$ = 1082.1 gpm
Difference	2	2	10.7		% diff. = 100 x $\frac{-34.83}{1047.27}$ = 3.33% fast
Elapsed Time	1 m 22.95 s	3	11.1		VOID? <input type="checkbox"/>
Total Minutes	1.383	4	11.0		<u>Notes</u>
		5	11.2		
		6	11.4		
		7	11.2		
		8	11.0		
		9	11.1		
		10	11.0		
		Avg	11.02		

Notes

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 12/18/23 through 12/22/23**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Huntington Park, City of	02S13W23J004S/18	Water Spec.	M	20201502-10	12/18/2023	3.0		Y
Huntington Park, City of	02S13W23H001S/14	McCrometer	M	N/A	12/18/2023	1.6		Y
Huntington Park, City of	02S13W25Q001S/12	McCrometer	M	86-10-672	12/18/2023	3.0		Y
Huntington Park, City of	02S13W25D004S/16	McCrometer	M	92-10-883	12/18/2023		1.3	Y

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Huntington Park, City of	Meter Error: 3.0% fast	
State Well No.	02S13W23J004S	Type (D/M/E)	M
Owner No.	18	Make	Water Spec.
Basin	Central	Serial No.	20201502-10
Test Date	12/18/2023	No. of Dials	
Tested By	BZ	Fixed Zeroes	
Recorded By	DH	Multi.	1000
Last Test Date	2/27/2023	Units (gal/af/cf)	gal
			Pipe In. Dia. (in) 10
			Pipe Area (in ²) 78.540
			New meter? <input type="checkbox"/>
			Pipe ID'd? <input type="checkbox"/>

1st Reading	376041		Mano. Diff.	Qp = 78.54 x 19.56 = 1536.2 gpm
2nd Reading	376043	1	19.3	Qm = 1 x $\frac{2000}{1.266}$ = 1580.0 gpm
Difference	2	2	19.4	% diff. = 100 x $\frac{-43.75}{1536.24}$ = 2.85% fast
Elapsed Time	1 m 15.95 s	3	19.4	VOID? <input type="checkbox"/>
Total Minutes	1.266	4	19.6	<u>Notes</u>
		5	19.7	
		6	19.9	
		7	19.5	
		8	19.4	
		9	19.7	
		10	19.7	
		Avg	19.56	

1st Reading	376043		Mano. Diff.	Qp = 78.54 x 19.63 = 1541.7 gpm
2nd Reading	376045	1	19.6	Qm = 1 x $\frac{2000}{1.261}$ = 1585.8 gpm
Difference	2	2	19.7	% diff. = 100 x $\frac{-44.10}{1541.74}$ = 2.86% fast
Elapsed Time	1 m 15.67 s	3	19.5	VOID? <input type="checkbox"/>
Total Minutes	1.261	4	19.5	<u>Notes</u>
		5	19.6	
		6	19.8	
		7	19.8	
		8	19.7	
		9	19.7	
		10	19.4	
		Avg	19.63	

1st Reading	376045		Mano. Diff.	Qp = 78.54 x 19.53 = 1533.9 gpm
2nd Reading	376047	1	19.6	Qm = 1 x $\frac{2000}{1.261}$ = 1585.6 gpm
Difference	2	2	19.5	% diff. = 100 x $\frac{-51.74}{1533.88}$ = 3.37% fast
Elapsed Time	1 m 15.68 s	3	19.6	VOID? <input type="checkbox"/>
Total Minutes	1.261	4	19.7	<u>Notes</u>
		5	19.6	
		6	19.4	
		7	19.5	
		8	19.5	
		9	19.6	
		10	19.3	
		Avg	19.53	

Notes

WATER METER TEST

Owner	Huntington Park, City of	Meter Error: 1.6% fast	
State Well No.	02S13W23H001S	Type (D/M/E)	M
Owner No.	14	Make	McCrometer
Basin	Central	Pipe In. Dia. (in)	10
Test Date	12/18/2023	Serial No.	N/A
Tested By	BZ	Pipe Area (in ²)	78.540
Recorded By	DH	No. of Dials	6
		Fixed Zeroes	
		Multi.	1000
Last Test Date	2/27/2023	Units (gal/af/cf)	gal
		New meter?	
		Pipe ID'd?	

1st Reading	721917		Mano. Diff.	
2nd Reading	721918	1	10.6	$Q_p = 78.54 \times 10.65 = 836.4 \text{ gpm}$
Difference	1	2	10.6	$Q_m = 1 \times \frac{1000}{1.181} = 847.1 \text{ gpm}$
Elapsed Time	1 m 10.83 s	3	10.6	$\% \text{ diff.} = 100 \times \frac{-10.65}{836.45} = 1.27\% \text{ fast}$
Total Minutes	1.181	4	10.8	VOID? <input type="checkbox"/>
		5	10.7	<u>Notes</u>
		6	10.7	
		7	10.6	
		8	10.7	
		9	10.6	
		10	10.6	
		Avg	10.65	

1st Reading	721918		Mano. Diff.	
2nd Reading	721919	1	10.5	$Q_p = 78.54 \times 10.62 = 834.1 \text{ gpm}$
Difference	1	2	10.7	$Q_m = 1 \times \frac{1000}{1.180} = 847.6 \text{ gpm}$
Elapsed Time	1 m 10.79 s	3	10.6	$\% \text{ diff.} = 100 \times \frac{-13.48}{834.09} = 1.62\% \text{ fast}$
Total Minutes	1.180	4	10.6	VOID? <input type="checkbox"/>
		5	10.4	<u>Notes</u>
		6	10.7	
		7	10.8	
		8	10.5	
		9	10.7	
		10	10.7	
		Avg	10.62	

1st Reading	721919		Mano. Diff.	
2nd Reading	721920	1	10.7	$Q_p = 78.54 \times 10.64 = 835.7 \text{ gpm}$
Difference	1	2	10.8	$Q_m = 1 \times \frac{1000}{1.176} = 850.5 \text{ gpm}$
Elapsed Time	1 m 10.55 s	3	10.6	$\% \text{ diff.} = 100 \times \frac{-14.80}{835.66} = 1.77\% \text{ fast}$
Total Minutes	1.176	4	10.6	VOID? <input type="checkbox"/>
		5	10.7	<u>Notes</u>
		6	10.6	
		7	10.5	
		8	10.8	
		9	10.6	
		10	10.5	
		Avg	10.64	

Notes

WATER METER TEST

Owner	Huntington Park, City of	Meter Error: 3.0% fast	
State Well No.	02S13W25Q001S	Type (D/M/E)	M
Owner No.	12	Make	McCrometer
Basin	Central	Pipe In. Dia. (in)	10
Test Date	12/18/2023	Serial No.	86-10-672
Tested By	BZ	No. of Dials	6
Recorded By	BZ	Fixed Zeroes	
		Multi.	1000
Last Test Date	2/27/2023	Units (gal/af/cf)	gal
		New meter?	
		Pipe ID'd?	

1st Reading	742733		Mano. Diff.	
2nd Reading	742735	1	8.8	$Q_p = 78.54 \times 9.02 = 708.4 \text{ gpm}$
Difference	2	2	9.0	$Q_m = 1 \times \frac{2000}{2.747} = 728.1 \text{ gpm}$
Elapsed Time	2 m 44.82 s	3	9.0	$\% \text{ diff.} = 100 \times \frac{-19.64}{708.43} = 2.77\% \text{ fast}$
Total Minutes	2.747	4	9.1	VOID? <input type="checkbox"/>
		5	9.0	<u>Notes</u>
		6	9.0	
		7	9.1	
		8	9.1	
		9	9.0	
		10	9.1	
		Avg	9.02	

1st Reading	742735		Mano. Diff.	
2nd Reading	742737	1	9.0	$Q_p = 78.54 \times 8.98 = 705.3 \text{ gpm}$
Difference	2	2	8.9	$Q_m = 1 \times \frac{2000}{2.752} = 726.7 \text{ gpm}$
Elapsed Time	2 m 45.13 s	3	9.0	$\% \text{ diff.} = 100 \times \frac{-21.41}{705.29} = 3.04\% \text{ fast}$
Total Minutes	2.752	4	8.9	VOID? <input type="checkbox"/>
		5	9.0	<u>Notes</u>
		6	9.0	
		7	9.1	
		8	9.0	
		9	9.0	
		10	8.9	
		Avg	8.98	

1st Reading	742737		Mano. Diff.	
2nd Reading	742740	1	9.0	$Q_p = 78.54 \times 8.99 = 706.1 \text{ gpm}$
Difference	3	2	9.0	$Q_m = 1 \times \frac{3000}{4.122} = 727.9 \text{ gpm}$
Elapsed Time	4 m 7.30 s	3	9.0	$\% \text{ diff.} = 100 \times \frac{-21.79}{706.07} = 3.09\% \text{ fast}$
Total Minutes	4.122	4	8.9	VOID? <input type="checkbox"/>
		5	9.0	<u>Notes</u>
		6	9.1	
		7	9.0	
		8	9.0	
		9	8.9	
		10	9.0	
		Avg	8.99	

Notes

WATER METER TEST

Owner	Huntington Park, City of	Meter Error: 1.3% slow	
State Well No.	02S13W25D004S	Type (D/M/E)	M
Owner No.	16	Make	McCrometer
Basin	Central	Pipe In. Dia. (in)	10
Test Date	12/18/2023	Serial No.	92-10-883
Tested By	BZ DH	No. of Dials	6
Recorded By	DH	Fixed Zeroes	
		Multi.	1000
Last Test Date	2/27/2023	Units (gal/af/cf)	gal
		New meter?	
		Pipe ID'd?	

1st Reading	64029		Mano. Diff.	
2nd Reading	64031	1	12.1	Qp = 78.54 x 11.92 = 936.2 gpm
Difference	2	2	12.0	Qm = 1 x $\frac{2000}{2.129}$ = 939.3 gpm
Elapsed Time	2 m 7.75 s	3	11.9	% diff. = 100 x $\frac{-3.14}{936.19}$ = 0.34% fast
Total Minutes	2.129	4	12.0	VOID? <input type="checkbox"/>
		5	12.1	<u>Notes</u>
		6	11.8	
		7	11.9	
		8	11.5	
		9	11.9	
		10	12.0	
		Avg	11.92	

1st Reading	64031		Mano. Diff.	
2nd Reading	64038	1	12.0	Qp = 78.54 x 12.17 = 955.8 gpm
Difference	7	2	11.8	Qm = 1 x $\frac{7000}{7.501}$ = 933.3 gpm
Elapsed Time	7 m 30.03 s	3	11.7	% diff. = 100 x $\frac{22.56}{955.83}$ = 2.36% slow
Total Minutes	7.501	4	12.0	VOID? <input type="checkbox"/>
		5	12.3	<u>Notes</u>
		6	12.2	
		7	12.5	
		8	12.3	
		9	12.5	
		10	12.4	
		Avg	12.17	

1st Reading	64038		Mano. Diff.	
2nd Reading	64040	1	12.1	Qp = 78.54 x 12.19 = 957.4 gpm
Difference	2	2	12.2	Qm = 1 x $\frac{2000}{2.129}$ = 939.3 gpm
Elapsed Time	2 m 7.75 s	3	12.0	% diff. = 100 x $\frac{18.07}{957.40}$ = 1.89% slow
Total Minutes	2.129	4	12.4	VOID? <input type="checkbox"/>
		5	12.4	<u>Notes</u>
		6	12.2	
		7	12.0	
		8	12.4	
		9	12.3	
		10	11.9	
		Avg	12.19	

Notes

**PRODUCTION WELL METER TESTS
In the Central Basin for the
Week of 01/08/24 through 01/12/24**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
California Water Service CO EAST LA	02S12W17D002S/13-02	Badger	D	03-275/4378	1/9/2024	0.5		Y
California Water Service CO EAST LA	02S12W07Q004S/10-03	McCrometer	D	N/A	1/9/2024	0.7		Y
California Water Service CO EAST LA	02S12W08P001S/54-01	Toshiba	D	206221026	1/9/2024	0.2		Y
California Water Service CO EAST LA	02S12W07G002S/39-02	Badger	D	12-046/359754	1/9/2024	0.0		Y
California Water Service CO EAST LA	02S12W07H001S/22-01	Ultra Mag	D	UM06-08ASQ100A3	1/9/2024		1.7	Y
California Water Service CO EAST LA	02S12W08F001S/43-01	Toshiba	D	17620A210□	1/9/2024		2.4	Y
Commerce, City of	02S12W21G003S/4	Badger	D	1702-045/49977532	1/10/2024		1.6	Y
Commerce, City of	02S12W21R002S/7	Toshiba	E*	226222276	1/10/2024		0.1	Y
California Water Service CO EAST LA	02S12W14M001S/63-01	Badger	D	1405-614/46852148	1/10/2024	0.7		Y
California Water Service CO EAST LA	02S12W09Q002S/62-02	Badger	D	1708-993/49501562	1/10/2024		0.6	Y
California Water Service CO EAST LA	02S12W09Q001S/62-01	Badger	D	1708-989/49501558	1/10/2024		0.9	Y

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	California Water Service Company (East LA	Meter Error: 0.5% fast	
State Well No.	02S12W17D002S		
Owner No.	13-02	Type (D/M/E)	D
Basin	Central	Make	Badger
Test Date	1/9/2024	Serial No.	03-275/44378
Tested By	DH	No. of Dials	9
Recorded By	DH	Fixed Zeroes	
		Multi.	1
Last Test Date	3/7/2023	Units (gal/af/cf)	gal
			Pipe In. Dia. (in) 7.75
			Pipe Area (in ²) 47.173
			New meter? <input type="checkbox"/>
			Pipe ID'd? <input type="checkbox"/>

1st Reading	27682572	Mano. Diff.	Qp = 47.17 x 6.22 = 293.4 gpm
2nd Reading	27683020	1	6.5
Difference	448	2	6.3
Elapsed Time	1 m 31.03 s	3	6.1
Total Minutes	1.517	4	6.0
		5	6.0
		6	6.2
		7	6.3
		8	6.0
		9	6.5
		10	6.3
		Avg	6.22
			Qm = 1 x $\frac{448}{1.517}$ = 295.3 gpm
			% diff. = 100 x $\frac{-1.87}{293.42}$ = 0.64% fast
			VOID? <input type="checkbox"/>
			<u>Notes</u>

1st Reading	27683020	Mano. Diff.	Qp = 47.17 x 6.21 = 292.9 gpm
2nd Reading	27683707	1	6.2
Difference	687	2	6.3
Elapsed Time	2 m 20.18 s	3	6.3
Total Minutes	2.336	4	6.0
		5	6.3
		6	6.5
		7	6.1
		8	6.0
		9	6.2
		10	6.2
		Avg	6.21
			Qm = 1 x $\frac{687}{2.336}$ = 294.1 gpm
			% diff. = 100 x $\frac{-1.11}{292.94}$ = 0.38% fast
			VOID? <input type="checkbox"/>
			<u>Notes</u>

1st Reading	27683707	Mano. Diff.	Qp = 47.17 x 6.26 = 295.3 gpm
2nd Reading	27684261	1	6.5
Difference	554	2	6.3
Elapsed Time	1 m 52.10 s	3	6.2
Total Minutes	1.868	4	6.3
		5	6.1
		6	6.0
		7	6.2
		8	6.5
		9	6.2
		10	6.3
		Avg	6.26
			Qm = 1 x $\frac{554}{1.868}$ = 296.5 gpm
			% diff. = 100 x $\frac{-1.22}{295.30}$ = 0.41% fast
			VOID? <input type="checkbox"/>
			<u>Notes</u>

Notes

WATER METER TEST

Owner	California Water Service Company	Meter Error: 0.7% fast	
State Well No.	02S12W07Q004S		
Owner No.	10-03	Type (D/M/E)	D
Basin	Central	Make	McCrometer
Test Date	1/9/2024	Serial No.	N/A
Tested By	DH	No. of Dials	7
Recorded By	DH	Fixed Zeroes	
		Multi.	1000
Last Test Date	3/14/2023	Units (gal/af/cf)	gal
		New meter?	
		Pipe In. Dia. (in)	8
		Pipe Area (in ²)	50.265
		Pipe ID'd?	

1st Reading	358195.44		Mano. Diff.	
2nd Reading	358196.4	1	7.8	Qp = 50.27 x 7.73 = 388.6 gpm
Difference	0.96	2	7.7	Qm = 1 x $\frac{960}{2.553}$ = 376.0 gpm
Elapsed Time	2 m 33.18 s	3	7.7	% diff. = 100 x $\frac{12.52}{388.55}$ = 3.22% slow
Total Minutes	2.553	4	7.8	VOID? <input type="checkbox"/>
		5	7.7	<u>Notes</u>
		6	7.8	
		7	7.7	
		8	7.7	
		9	7.7	
		10	7.7	
		Avg	7.73	

1st Reading	358196.4		Mano. Diff.	
2nd Reading	358197.4	1	7.7	Qp = 50.27 x 7.80 = 392.1 gpm
Difference	1	2	7.8	Qm = 1 x $\frac{1000}{2.483}$ = 402.7 gpm
Elapsed Time	2 m 29.00 s	3	7.7	% diff. = 100 x $\frac{-10.61}{392.07}$ = 2.71% fast
Total Minutes	2.483	4	7.7	VOID? <input type="checkbox"/>
		5	7.8	<u>Notes</u>
		6	7.8	
		7	7.7	
		8	8.0	
		9	7.9	
		10	7.9	
		Avg	7.80	

1st Reading	358197.4		Mano. Diff.	
2nd Reading	358198.65	1	7.7	Qp = 50.27 x 7.83 = 393.6 gpm
Difference	1.25	2	7.9	Qm = 1 x $\frac{1250}{3.095}$ = 403.8 gpm
Elapsed Time	3 m 5.72 s	3	8.0	% diff. = 100 x $\frac{-10.26}{393.58}$ = 2.61% fast
Total Minutes	3.095	4	7.8	VOID? <input type="checkbox"/>
		5	7.7	<u>Notes</u>
		6	7.6	
		7	7.7	
		8	7.8	
		9	8.1	
		10	8.0	
		Avg	7.83	

Notes

WATER METER TEST

Owner	California Water Service Company			Meter Error: 0.2% fast
State Well No.	02S12W08P001S			
Owner No.	54-01	Type (D/M/E)	D	
Basin	Central	Make	Toshiba	Pipe In. Dia. (in) 7 1/8
Test Date	1/9/2024	Serial No.	206221026	Pipe Area (in ²) 39.871
Tested By	DH	No. of Dials	7	
Recorded By	DH	Fixed Zeroes		
		Multi.	1	New meter?
Last Test Date	3/7/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	69337725	Mano. Diff.		$Q_p = 39.87 \times 12.38 = 493.6 \text{ gpm}$
2nd Reading	69338550	1	12.2	$Q_m = 1 \times \frac{825}{1.661} = 496.6 \text{ gpm}$
Difference	825	2	12.5	$\% \text{ diff.} = 100 \times \frac{-2.98}{493.61} = 0.60\% \text{ fast}$
Elapsed Time	1 m 39.68 s	3	12.3	VOID? <input type="checkbox"/>
Total Minutes	1.661	4	12.4	<u>Notes</u>
		5	12.3	
		6	12.3	
		7	12.4	
		8	12.6	
		9	12.4	
		10	12.4	
		Avg	12.38	

1st Reading	69339400	Mano. Diff.		$Q_p = 39.87 \times 12.44 = 496.0 \text{ gpm}$
2nd Reading	69340110	1	12.4	$Q_m = 1 \times \frac{710}{1.441} = 492.9 \text{ gpm}$
Difference	710	2	12.3	$\% \text{ diff.} = 100 \times \frac{3.11}{496.00} = 0.63\% \text{ slow}$
Elapsed Time	1 m 26.43 s	3	12.5	VOID? <input type="checkbox"/>
Total Minutes	1.441	4	12.5	<u>Notes</u>
		5	12.6	
		6	12.6	
		7	12.4	
		8	12.4	
		9	12.3	
		10	12.4	
		Avg	12.44	

1st Reading	69340110	Mano. Diff.		$Q_p = 39.87 \times 12.40 = 494.4 \text{ gpm}$
2nd Reading	69341070	1	12.5	$Q_m = 1 \times \frac{960}{1.928} = 498.1 \text{ gpm}$
Difference	960	2	12.4	$\% \text{ diff.} = 100 \times \frac{-3.65}{494.40} = 0.74\% \text{ fast}$
Elapsed Time	1 m 55.65 s	3	12.3	VOID? <input type="checkbox"/>
Total Minutes	1.928	4	12.3	<u>Notes</u>
		5	12.3	
		6	12.4	
		7	12.5	
		8	12.6	
		9	12.4	
		10	12.3	
		Avg	12.40	

Notes

WATER METER TEST

Owner	California Water Service Company			Meter Error: 0.0% fast
State Well No.	02S12W07G002S			
Owner No.	39-02	Type (D/M/E)	D	
Basin	Central	Make	Badger	Pipe In. Dia. (in) 12
Test Date	1/9/2024	Serial No.	12-046/359754	Pipe Area (in ²) 113.097
Tested By	DH	No. of Dials	8	
Recorded By	DH	Fixed Zeroes		
		Multi.	1	New meter?
Last Test Date	3/7/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	57904976	Mano. Diff.		$Q_p = 113.10 \times 6.91 = 781.5 \text{ gpm}$
2nd Reading	57906600	1	7.0	$Q_m = 1 \times \frac{1624}{2.180} = 745.0 \text{ gpm}$
Difference	1624	2	6.5	$\% \text{ diff.} = 100 \times \frac{36.49}{781.50} = 4.67\% \text{ slow}$
Elapsed Time	2 m 10.79 s	3	7.2	VOID? <input type="checkbox"/>
Total Minutes	2.180	4	6.8	<u>Notes</u>
		5	7.0	
		6	6.6	
		7	6.9	
		8	7.2	
		9	6.9	
		10	7.0	
		Avg	6.91	

1st Reading	57906600	Mano. Diff.		$Q_p = 113.10 \times 6.54 = 739.7 \text{ gpm}$
2nd Reading	57909600	1	6.9	$Q_m = 1 \times \frac{3000}{4.027} = 744.9 \text{ gpm}$
Difference	3000	2	6.5	$\% \text{ diff.} = 100 \times \frac{-5.28}{739.66} = 0.71\% \text{ fast}$
Elapsed Time	4 m 1.63 s	3	6.2	VOID? <input type="checkbox"/>
Total Minutes	4.027	4	6.5	<u>Notes</u>
		5	6.7	
		6	6.3	
		7	6.6	
		8	6.4	
		9	6.5	
		10	6.8	
		Avg	6.54	

1st Reading	57909600	Mano. Diff.		$Q_p = 113.10 \times 6.35 = 718.2 \text{ gpm}$
2nd Reading	57912800	1	6.5	$Q_m = 1 \times \frac{3200}{4.284} = 747.0 \text{ gpm}$
Difference	3200	2	6.6	$\% \text{ diff.} = 100 \times \frac{-28.86}{718.17} = 4.02\% \text{ fast}$
Elapsed Time	4 m 17.02 s	3	6.0	VOID? <input type="checkbox"/>
Total Minutes	4.284	4	6.1	<u>Notes</u>
		5	6.0	
		6	6.7	
		7	6.5	
		8	6.4	
		9	6.0	
		10	6.7	
		Avg	6.35	

Notes

WATER METER TEST

Owner	California Water Service Company			Meter Error: 1.7% slow
State Well No.	02S12W07H001S			
Owner No.	22-01	Type (D/M/E)	D	
Basin	Central	Make	Ultra Mag	Pipe In. Dia. (in) 7.375
Test Date	1/9/2024	Serial No.	UM06-08ASQ100A3	Pipe Area (in ²) 42.718
Tested By	DH	No. of Dials	7	
Recorded By	DH	Fixed Zeroes		
		Multi.	1	New meter?
Last Test Date	3/7/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	319724160	Mano. Diff.		$Q_p = 42.72 \times 6.28 = 268.3 \text{ gpm}$
2nd Reading	319724850	1	6.5	$Q_m = 1 \times \frac{690}{2.629} = 262.4 \text{ gpm}$
Difference	690	2	6.4	$\% \text{ diff.} = 100 \times \frac{5.85}{268.27} = 2.18\% \text{ slow}$
Elapsed Time	2 m 37.76 s	3	6.1	VOID? <input type="checkbox"/>
Total Minutes	2.629	4	6.0	<u>Notes</u>
		5	6.3	
		6	6.2	
		7	6.1	
		8	6.4	
		9	6.5	
		10	6.3	
		Avg	6.28	

1st Reading	319724850	Mano. Diff.		$Q_p = 42.72 \times 6.26 = 267.4 \text{ gpm}$
2nd Reading	319725325	1	6.0	$Q_m = 1 \times \frac{475}{1.804} = 263.3 \text{ gpm}$
Difference	475	2	6.3	$\% \text{ diff.} = 100 \times \frac{4.11}{267.42} = 1.54\% \text{ slow}$
Elapsed Time	1 m 48.24 s	3	6.4	VOID? <input type="checkbox"/>
Total Minutes	1.804	4	6.3	<u>Notes</u>
		5	6.1	
		6	6.1	
		7	6.3	
		8	6.4	
		9	6.5	
		10	6.2	
		Avg	6.26	

1st Reading	319725325	Mano. Diff.		$Q_p = 42.72 \times 6.27 = 267.8 \text{ gpm}$
2nd Reading	319725879	1	6.5	$Q_m = 1 \times \frac{554}{2.101} = 263.7 \text{ gpm}$
Difference	554	2	6.3	$\% \text{ diff.} = 100 \times \frac{4.10}{267.84} = 1.53\% \text{ slow}$
Elapsed Time	2 m 6.03 s	3	6.4	VOID? <input type="checkbox"/>
Total Minutes	2.101	4	6.1	<u>Notes</u>
		5	6.2	
		6	6.0	
		7	6.4	
		8	6.2	
		9	6.1	
		10	6.5	
		Avg	6.27	

Notes

WATER METER TEST

Owner	California Water Service Company	Meter Error: 2.4% slow	
State Well No.	02S12W08F001S		
Owner No.	43-01	Type (D/M/E)	D
Basin	Central	Make	Toshiba
Test Date	1/9/2024	Serial No.	17620A210
Tested By	DH	No. of Dials	6
Recorded By	DH	Fixed Zeroes	
		Multi.	100
Last Test Date	12/13/2021	Units (gal/af/cf)	gal
		New meter?	
		Pipe ID'd?	
		Pipe In. Dia. (in)	8
		Pipe Area (in ²)	50.265

1st Reading	9720220	Mano. Diff.	
2nd Reading	9720227	1	6.8
Difference	7	2	6.8
Elapsed Time	2 m 3.61 s	3	7.7
Total Minutes	2.060	4	6.6
		5	6.7
		6	6.7
		7	6.5
		8	6.7
		9	6.5
		10	6.5
		Avg	6.75
			$Q_p = 50.27 \times 6.75 = 339.3 \text{ gpm}$ $Q_m = 1 \times \frac{700}{2.060} = 339.8 \text{ gpm}$ $\% \text{ diff.} = 100 \times \frac{-0.49}{339.29} = 0.14\% \text{ fast}$
			VOID? <input type="checkbox"/>
			<u>Notes</u>

1st Reading	9720227	Mano. Diff.	
2nd Reading	9720243	1	7.2
Difference	16	2	7.3
Elapsed Time	4 m 43.44 s	3	7.3
Total Minutes	4.724	4	7.3
		5	7.0
		6	7.5
		7	7.2
		8	6.7
		9	6.5
		10	6.6
		Avg	7.06
			$Q_p = 50.27 \times 7.06 = 354.9 \text{ gpm}$ $Q_m = 1 \times \frac{1600}{4.724} = 338.7 \text{ gpm}$ $\% \text{ diff.} = 100 \times \frac{16.18}{354.87} = 4.56\% \text{ slow}$
			VOID? <input type="checkbox"/>
			<u>Notes</u>

1st Reading	9720243	Mano. Diff.	
2nd Reading	9720255	1	7.1
Difference	12	2	7.0
Elapsed Time	3 m 32.56 s	3	6.9
Total Minutes	3.543	4	6.9
		5	6.9
		6	6.9
		7	7.0
		8	6.8
		9	6.9
		10	6.9
		Avg	6.93
			$Q_p = 50.27 \times 6.93 = 348.3 \text{ gpm}$ $Q_m = 1 \times \frac{1200}{3.543} = 338.7 \text{ gpm}$ $\% \text{ diff.} = 100 \times \frac{9.61}{348.34} = 2.76\% \text{ slow}$
			VOID? <input type="checkbox"/>
			<u>Notes</u>

Notes

DWR has not performed a test for this well since 2021.

WATER METER TEST

Owner	Commerce, City of				
State Well No.	02S12W21G003S			Meter Error: 1.6% slow	
Owner No.	4	Type (D/M/E)	D		
Basin	Central	Make	Badger	Pipe In. Dia. (in)	8
Test Date	1/10/2024	Serial No.	1702-045/49977532	Pipe Area (in ²)	50.265
Tested By	DH	No. of Dials	9		
Recorded By	DH	Fixed Zeroes		New meter?	
		Multi.	1		
Last Test Date	3/21/2023	Units (gal/af/cf)	gal	Pipe ID'd?	

1st Reading	60251303		Mano. Diff.		
2nd Reading	60252151	1	7.9	Qp = 50.27	x 7.79 = 391.6 gpm
Difference	848	2	7.8	Qm = 1	x $\frac{848}{2.204}$ = 384.7 gpm
Ellapsed Time	2 m 12.26 s	3	7.8	% diff. = 100	x $\frac{6.87}{391.57}$ = 1.75% slow
Total Minutes	2.204	4	7.8		VOID? <input type="checkbox"/>
		5	7.8		
		6	7.7		
		7	7.7		
		8	7.8		
		9	7.8		
		10	7.8		
		Avg	7.79		

Notes

1st Reading	60252151		Mano. Diff.		
2nd Reading	60253197	1	7.7	Qp = 50.27	x 7.70 = 387.0 gpm
Difference	1046	2	7.8	Qm = 1	x $\frac{1046}{2.735}$ = 382.4 gpm
Ellapsed Time	2 m 44.10 s	3	7.8	% diff. = 100	x $\frac{4.59}{387.04}$ = 1.19% slow
Total Minutes	2.735	4	7.7		VOID? <input type="checkbox"/>
		5	7.6		
		6	7.7		
		7	7.8		
		8	7.6		
		9	7.6		
		10	7.7		
		Avg	7.70		

Notes

1st Reading	60253197		Mano. Diff.		
2nd Reading	60254057	1	7.8	Qp = 50.27	x 7.74 = 389.1 gpm
Difference	860	2	7.8	Qm = 1	x $\frac{860}{2.253}$ = 381.7 gpm
Ellapsed Time	2 m 15.20 s	3	7.7	% diff. = 100	x $\frac{7.40}{389.05}$ = 1.90% slow
Total Minutes	2.253	4	7.7		VOID? <input type="checkbox"/>
		5	7.8		
		6	7.6		
		7	7.7		
		8	7.8		
		9	7.7		
		10	7.8		
		Avg	7.74		

Notes

Notes

WATER METER TEST

Owner	Commerce, City of				Meter Error: 0.1% slow
State Well No.	02S12W21R002S				
Owner No.	7	Type (D/M/E)	E		
Basin	Central	Make	Toshiba	Pipe In. Dia. (in)	9 3/8
Test Date	1/10/2024	Serial No.	226222276	Pipe Area (in ²)	69.029
Tested By	DH	No. of Dials	4		
Recorded By	DH	Fixed Zeroes			
		Multi.	1000	New meter?	X
Last Test Date	1/17/2020	Units (gal/af/cf)	gal	Pipe ID'd?	X

1st Reading	0		Mano. Diff.		Qp = 69.03 x 10.41 = 718.6 gpm
2nd Reading	719		1	10.4	Qm = 1 x $\frac{719000}{1.000}$ = ##### gpm
Difference	719		2	10.4	% diff. = 100 x $\frac{\text{#####}}{718.59}$ = ##### fast
Elapsed Time	1 m 0.00 s		3	10.5	VOID? <input checked="" type="checkbox"/>
Total Minutes	1.000		4	10.4	<u>Notes</u>
			5	10.4	1 minute test using gpm since totalizer stuck on arrival. Test Results 0.6% slow
			6	10.4	
			7	10.5	
			8	10.4	
			9	10.3	
			10	10.4	
			Avg	10.41	

1st Reading	0		Mano. Diff.		Qp = 69.03 x 10.40 = 717.9 gpm
2nd Reading	716		1	10.4	Qm = 1 x $\frac{716000}{1.000}$ = ##### gpm
Difference	716		2	10.4	% diff. = 100 x $\frac{\text{#####}}{717.90}$ = ##### fast
Elapsed Time	1 m 0.00 s		3	10.3	VOID? <input checked="" type="checkbox"/>
Total Minutes	1.000		4	10.4	<u>Notes</u>
			5	10.4	1 minute test using gpm since totalizer stuck on arrival. Test Results 0.27% slow
			6	10.4	
			7	10.4	
			8	10.4	
			9	10.5	
			10	10.4	
			Avg	10.40	

1st Reading	175360		Mano. Diff.		Qp = 69.03 x 10.33 = 713.1 gpm
2nd Reading	175363		1	10.3	Qm = 1 x $\frac{3000}{4.210}$ = 712.5 gpm
Difference	3		2	10.4	% diff. = 100 x $\frac{0.54}{713.07}$ = 0.08% slow
Elapsed Time	4 m 12.62 s		3	10.3	VOID? <input type="checkbox"/>
Total Minutes	4.210		4	10.2	<u>Notes</u>
			5	10.3	Tech came out and fixed totalizer.
			6	10.3	
			7	10.4	
			8	10.3	
			9	10.3	
			10	10.5	
			Avg	10.33	

Notes

Totalizer stuck on 175358 on arrival. DWR has not performed a test on 7 since 2020. Overall percentage of test 0.1% slow.

WATER METER TEST

Owner	California Water Service Company			Meter Error: 0.7% fast
State Well No.	02S12W14M001S			
Owner No.	63-01	Type (D/M/E)	D	
Basin	Central	Make	Badger	Pipe In. Dia. (in) 12
Test Date	1/10/2024	Serial No.	1405-614/46852148	Pipe Area (in ²) 113.097
Tested By	DH	No. of Dials	10	
Recorded By	DH	Fixed Zeroes		
		Multi.	1	New meter?
Last Test Date	3/14/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	8759775935		Mano. Diff.	
2nd Reading	8759779161	1	16.0	$Q_p = 113.10 \times 16.03 = 1813.0 \text{ gpm}$
Difference	3226	2	15.9	$Q_m = 1 \times \frac{3226}{1.768} = 1824.7 \text{ gpm}$
Elapsed Time	1 m 46.08 s	3	15.9	$\% \text{ diff.} = 100 \times \frac{-11.71}{1812.95} = 0.65\% \text{ fast}$
Total Minutes	1.768	4	15.9	VOID? <input type="checkbox"/>
		5	16.1	<u>Notes</u>
		6	16.2	
		7	16.0	
		8	15.9	
		9	16.2	
		10	16.2	
		Avg	16.03	

1st Reading	8759779161		Mano. Diff.	
2nd Reading	8759785999	1	16.0	$Q_p = 113.10 \times 15.96 = 1805.0 \text{ gpm}$
Difference	6838	2	16.1	$Q_m = 1 \times \frac{6838}{3.756} = 1820.7 \text{ gpm}$
Elapsed Time	3 m 45.34 s	3	16.0	$\% \text{ diff.} = 100 \times \frac{-15.68}{1805.03} = 0.87\% \text{ fast}$
Total Minutes	3.756	4	15.9	VOID? <input type="checkbox"/>
		5	16.0	<u>Notes</u>
		6	16.0	
		7	15.9	
		8	16.0	
		9	15.9	
		10	15.8	
		Avg	15.96	

1st Reading	8759785999		Mano. Diff.	
2nd Reading	8759789956	1	15.9	$Q_p = 113.10 \times 15.93 = 1801.6 \text{ gpm}$
Difference	3957	2	15.7	$Q_m = 1 \times \frac{3957}{2.184} = 1812.1 \text{ gpm}$
Elapsed Time	2 m 11.02 s	3	15.7	$\% \text{ diff.} = 100 \times \frac{-10.45}{1801.64} = 0.58\% \text{ fast}$
Total Minutes	2.184	4	16.0	VOID? <input type="checkbox"/>
		5	15.9	<u>Notes</u>
		6	15.9	
		7	16.2	
		8	16.0	
		9	16.0	
		10	16.0	
		Avg	15.93	

Notes

WATER METER TEST

Owner	California Water Service Company			Meter Error: 0.6% slow
State Well No.	02S12W09Q002S			
Owner No.	62-02	Type (D/M/E)	D	
Basin	Central	Make	Badger	Pipe In. Dia. (in) 12 1/4
Test Date	1/10/2024	Serial No.	1708-993/49501562	Pipe Area (in ²) 117.859
Tested By	DH	No. of Dials	8	
Recorded By	DH	Fixed Zeroes		
		Multi.	1	New meter?
Last Test Date	3/14/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	93811300	Mano. Diff.		$Q_p = 117.86 \times 12.26 = 1444.9 \text{ gpm}$
2nd Reading	93814079	1	12.1	$Q_m = 1 \times \frac{2779}{1.938} = 1434.2 \text{ gpm}$
Difference	2779	2	12.2	
Elapsed Time	1 m 56.26 s	3	12.2	$\% \text{ diff.} = 100 \times \frac{10.75}{1444.95} = 0.74\% \text{ slow}$
Total Minutes	1.938	4	12.3	
		5	12.4	VOID? <input type="checkbox"/>
		6	12.3	<u>Notes</u>
		7	12.2	
		8	12.3	
		9	12.4	
		10	12.2	
		Avg	12.26	

1st Reading	93814079	Mano. Diff.		$Q_p = 117.86 \times 12.23 = 1441.4 \text{ gpm}$
2nd Reading	93816870	1	12.2	$Q_m = 1 \times \frac{2791}{1.952} = 1429.6 \text{ gpm}$
Difference	2791	2	12.3	
Elapsed Time	1 m 57.14 s	3	12.2	$\% \text{ diff.} = 100 \times \frac{11.84}{1441.41} = 0.82\% \text{ slow}$
Total Minutes	1.952	4	12.3	
		5	12.1	VOID? <input type="checkbox"/>
		6	12.2	<u>Notes</u>
		7	12.4	
		8	12.1	
		9	12.2	
		10	12.3	
		Avg	12.23	

1st Reading	93816870	Mano. Diff.		$Q_p = 117.86 \times 12.16 = 1433.2 \text{ gpm}$
2nd Reading	93818994	1	12.1	$Q_m = 1 \times \frac{2124}{1.484} = 1431.6 \text{ gpm}$
Difference	2124	2	12.1	
Elapsed Time	1 m 29.02 s	3	12.1	$\% \text{ diff.} = 100 \times \frac{1.57}{1433.16} = 0.11\% \text{ slow}$
Total Minutes	1.484	4	12.2	
		5	12.2	VOID? <input type="checkbox"/>
		6	12.2	<u>Notes</u>
		7	12.1	
		8	12.3	
		9	12.1	
		10	12.2	
		Avg	12.16	

Notes

WATER METER TEST

Owner	California Water Service Company			Meter Error: 0.9% slow
State Well No.	02S12W09Q001S			
Owner No.	62-01	Type (D/M/E)	D	
Basin	Central	Make	Badger	Pipe In. Dia. (in) 12
Test Date	1/10/2024	Serial No.	1708-989/49501558	Pipe Area (in ²) 113.097
Tested By	DH	No. of Dials	8	
Recorded By	DH	Fixed Zeroes		
		Multi.	1	New meter?
Last Test Date	3/14/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	49112492		Mano. Diff.		$Q_p = 113.10 \times 13.05 = 1475.9 \text{ gpm}$
2nd Reading	49117335	1	12.9		$Q_m = 1 \times \frac{4843}{3.301} = 1467.1 \text{ gpm}$
Difference	4843	2	13.0		$\% \text{ diff.} = 100 \times \frac{8.86}{1475.92} = 0.60\% \text{ slow}$
Elapsed Time	3 m 18.07 s	3	13.0		VOID? <input type="checkbox"/>
Total Minutes	3.301	4	13.1		<u>Notes</u>
		5	13.1		
		6	13.1		
		7	13.1		
		8	13.1		
		9	13.1		
		10	13.0		
		Avg	13.05		

1st Reading	49117335		Mano. Diff.		$Q_p = 113.10 \times 13.00 = 1470.3 \text{ gpm}$
2nd Reading	49124611	1	13.1		$Q_m = 1 \times \frac{7276}{4.988} = 1458.7 \text{ gpm}$
Difference	7276	2	12.9		$\% \text{ diff.} = 100 \times \frac{11.52}{1470.27} = 0.78\% \text{ slow}$
Elapsed Time	4 m 59.27 s	3	13.0		VOID? <input type="checkbox"/>
Total Minutes	4.988	4	13.0		<u>Notes</u>
		5	12.9		
		6	13.0		
		7	13.0		
		8	13.0		
		9	13.0		
		10	13.1		
		Avg	13.00		

1st Reading	49124611		Mano. Diff.		$Q_p = 113.10 \times 13.04 = 1474.8 \text{ gpm}$
2nd Reading	49129790	1	13.0		$Q_m = 1 \times \frac{5179}{3.555} = 1456.8 \text{ gpm}$
Difference	5179	2	13.1		$\% \text{ diff.} = 100 \times \frac{17.97}{1474.79} = 1.22\% \text{ slow}$
Elapsed Time	3 m 33.30 s	3	13.1		VOID? <input type="checkbox"/>
Total Minutes	3.555	4	13.1		<u>Notes</u>
		5	13.0		
		6	13.2		
		7	12.9		
		8	13.0		
		9	13.0		
		10	13.0		
		Avg	13.04		

Notes

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 01/15/24 through 01/19/24**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Walnut Park Mutual Water Company	02S13W27B024S/12	McCrometer	M	10-08749-16	1/17/2024	4.2		Y
Walnut Park Mutual Water Company	02S13W27B022S/11	Sparling	M	135763	1/17/2024		0.6	Y
Walnut Park Mutual Water Company	02S13W27B020S/10	Sparling	M	136493	1/17/2024	0.6		Y
San Gabriel Valley Water Company	02S11W19F001S/W6D	Water Spec.	M	980499-12	1/18/2024			Cancellation

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Walnut Park Mutual Water Company			Meter Error: 4.2% fast
State Well No.	02S13W27B024S			
Owner No.	12	Type (D/M/E)	M	
Basin	Central	Make	McCrometer	Pipe In. Dia. (in) 11 1/8
Test Date	1/17/2024	Serial No.	10-08749-16	Pipe Area (in ²) 97.205
Tested By	DH	No. of Dials		
Recorded By	DH	Fixed Zeroes		
		Multi.	100	New meter?
Last Test Date	3/22/2023	Units (gal/af/cf)	cf	Pipe ID'd?

1st Reading	65745		Mano. Diff.	Qp = 97.21 x 35.81 = 3480.9 gpm
2nd Reading	65774	1	35.9	Qm = 7.48 x $\frac{2900}{5.950}$ = 3645.7 gpm
Difference	29	2	35.7	% diff. = 100 x $\frac{-164.79}{3480.92}$ = 4.73% fast
Elapsed Time	5 m 57.00 s	3	35.8	VOID? <input type="checkbox"/>
Total Minutes	5.950	4	35.9	<u>Notes</u>
		5	35.8	
		6	35.8	
		7	35.8	
		8	35.8	
		9	35.8	
		10	35.8	
		Avg	35.81	

1st Reading	65774		Mano. Diff.	Qp = 97.21 x 35.74 = 3474.1 gpm
2nd Reading	65810	1	35.8	Qm = 7.48 x $\frac{3600}{7.406}$ = 3636.1 gpm
Difference	36	2	35.8	% diff. = 100 x $\frac{-162.02}{3474.12}$ = 4.66% fast
Elapsed Time	7 m 24.34 s	3	35.8	VOID? <input type="checkbox"/>
Total Minutes	7.406	4	35.8	<u>Notes</u>
		5	35.7	
		6	35.7	
		7	35.8	
		8	35.7	
		9	35.7	
		10	35.6	
		Avg	35.74	

1st Reading	65810		Mano. Diff.	Qp = 97.21 x 35.83 = 3482.9 gpm
2nd Reading	65878	1	34.9	Qm = 7.48 x $\frac{6800}{14.171}$ = 3589.4 gpm
Difference	68	2	36.0	% diff. = 100 x $\frac{-106.56}{3482.87}$ = 3.06% fast
Elapsed Time	14 m 10.23 s	3	36.0	VOID? <input type="checkbox"/>
Total Minutes	14.171	4	36.0	<u>Notes</u>
		5	36.0	
		6	35.8	
		7	36.0	
		8	35.8	
		9	35.8	
		10	36.0	
		Avg	35.83	

Notes

Manometer extension used at testing point next to storage tank. Meter in pit.

WATER METER TEST

Owner	Water Park Mutual Water Company			Meter Error: 0.6% slow
State Well No.	02S13W27B022S			
Owner No.	11	Type (D/M/E)	M	
Basin	Central	Make	Sparling	Pipe In. Dia. (in) 10
Test Date	1/17/2024	Serial No.	135763	Pipe Area (in ²) 78.540
Tested By	DH	No. of Dials	6	
Recorded By	DH	Fixed Zeroes		
		Multi.	100	New meter?
Last Test Date	3/8/2022	Units (gal/af/cf)	cf	Pipe ID'd?

1st Reading	867534		Mano. Diff.	Qp = 78.54 x 18.75 = 1472.6 gpm
2nd Reading	867539	1	18.7	Qm = 7.48 x $\frac{500}{2.552}$ = 1465.6 gpm
Difference	5	2	18.8	% diff. = 100 x $\frac{7.01}{1472.62}$ = 0.48% slow
Elapsed Time	2 m 33.11 s	3	18.7	VOID?
Total Minutes	2.552	4	18.8	<u>Notes</u>
		5	18.6	
		6	18.8	
		7	18.9	
		8	18.7	
		9	18.8	
		10	18.7	
		Avg	18.75	

1st Reading	867539		Mano. Diff.	Qp = 78.54 x 18.66 = 1465.2 gpm
2nd Reading	867543	1	18.6	Qm = 7.48 x $\frac{400}{2.050}$ = 1459.4 gpm
Difference	4	2	18.8	% diff. = 100 x $\frac{5.81}{1465.20}$ = 0.40% slow
Elapsed Time	2 m 3.01 s	3	18.6	VOID?
Total Minutes	2.050	4	18.7	<u>Notes</u>
		5	18.6	
		6	18.6	
		7	18.6	
		8	18.7	
		9	18.7	
		10	18.6	
		Avg	18.66	

1st Reading	867543		Mano. Diff.	Qp = 78.54 x 18.76 = 1473.4 gpm
2nd Reading	867547	1	18.8	Qm = 7.48 x $\frac{400}{2.051}$ = 1458.6 gpm
Difference	4	2	18.7	% diff. = 100 x $\frac{14.84}{1473.41}$ = 1.01% slow
Elapsed Time	2 m 3.08 s	3	18.7	VOID?
Total Minutes	2.051	4	18.8	<u>Notes</u>
		5	18.8	
		6	18.8	
		7	18.7	
		8	18.9	
		9	18.7	
		10	18.7	
		Avg	18.76	

Notes

WATER METER TEST

Owner	Walnut Park Mutual Water Company			Meter Error: 0.6% fast
State Well No.	02S13W27B020S			
Owner No.	10	Type (D/M/E)	M	
Basin	Central	Make	Sparling	Pipe In. Dia. (in) 10 1/8
Test Date	1/17/2024	Serial No.	136493	Pipe Area (in ²) 80.516
Tested By	DH	No. of Dials	6	
Recorded By	DH	Fixed Zeroes		
		Multi.	100	New meter?
Last Test Date	3/8/2023	Units (gal/af/cf)	cf	Pipe ID'd?

1st Reading	483858		Mano. Diff.	Qp = 80.52 x 16.15 = 1300.3 gpm
2nd Reading	483861	1	16.2	Qm = 7.48 x $\frac{300}{1.719}$ = 1305.8 gpm
Difference	3	2	16.2	% diff. = 100 x $\frac{-5.46}{1300.33}$ = 0.42% fast
Elapsed Time	1 m 43.11 s	3	16.2	VOID? <input type="checkbox"/>
Total Minutes	1.719	4	16.1	<u>Notes</u>
		5	16.2	
		6	16.1	
		7	16.1	
		8	16.2	
		9	16.1	
		10	16.1	
		Avg	16.15	

1st Reading	483861		Mano. Diff.	Qp = 80.52 x 16.19 = 1303.5 gpm
2nd Reading	483864	1	16.2	Qm = 7.48 x $\frac{300}{1.715}$ = 1308.6 gpm
Difference	3	2	16.1	% diff. = 100 x $\frac{-5.03}{1303.55}$ = 0.39% fast
Elapsed Time	1 m 42.89 s	3	16.2	VOID? <input type="checkbox"/>
Total Minutes	1.715	4	16.2	<u>Notes</u>
		5	16.2	
		6	16.2	
		7	16.2	
		8	16.2	
		9	16.2	
		10	16.2	
		Avg	16.19	

1st Reading	483864		Mano. Diff.	Qp = 80.52 x 16.15 = 1300.3 gpm
2nd Reading	483867	1	16.2	Qm = 7.48 x $\frac{300}{1.711}$ = 1311.5 gpm
Difference	3	2	16.2	% diff. = 100 x $\frac{-11.19}{1300.33}$ = 0.86% fast
Elapsed Time	1 m 42.66 s	3	16.2	VOID? <input type="checkbox"/>
Total Minutes	1.711	4	16.2	<u>Notes</u>
		5	16.2	
		6	16.1	
		7	16.1	
		8	16.1	
		9	16.1	
		10	16.1	
		Avg	16.15	

Notes

WATER METER TEST

Owner	San Gabriel Water Company	Meter Error:		
State Well No.	02S11W19F008S			
Owner No.	W6D	Type (D/M/E)	M	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 11 3/4
Test Date	1/18/2024	Serial No.	980499-12	Pipe Area (in ²) 108.434
Tested By	BZ	No. of Dials	6	
Recorded By	BZ	Fixed Zeroes		
	CANCELLATION	Multi.	100	New meter?
Last Test Date	3/22/2023	Units (gal/af/cf)	cf	Pipe ID'd?

1st Reading		Mano. Diff.		Qp = 108.43 x _____ = _____ gpm
2nd Reading		1		Qm = 7.48 x _____ = _____ gpm
Difference		2		
Elapsed Time	m _____ s _____	3		% diff. = 100 x _____ = _____
Total Minutes		4		
		5		VOID? _____
		6		<u>Notes</u>
		7		
		8		
		9		
		10		
		Avg		

1st Reading		Mano. Diff.		Qp = 108.43 x _____ = _____ gpm
2nd Reading		1		Qm = 7.48 x _____ = _____ gpm
Difference		2		
Elapsed Time	m _____ s _____	3		% diff. = 100 x _____ = _____
Total Minutes		4		
		5		VOID? _____
		6		<u>Notes</u>
		7		
		8		
		9		
		10		
		Avg		

1st Reading		Mano. Diff.		Qp = 108.43 x _____ = _____ gpm
2nd Reading		1		Qm = 7.48 x _____ = _____ gpm
Difference		2		
Elapsed Time	m _____ s _____	3		% diff. = 100 x _____ = _____
Total Minutes		4		
		5		VOID? _____
		6		<u>Notes</u>
		7		
		8		
		9		
		10		
		Avg		

Notes

Party contact not on site and did not respond to phone calls. No 24 hour cancellation notice provided. Another staff on site provided access to the well but cannot perform test because well only has a plug and pump could not be shut off/on. DWR Staff has advised San Gabriel Water Company to install a corp stop for retest.

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 01/22/24 through 01/26/24**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Liberty Utilities	03S13W25F004S/9D	Kronhe	D	N/A	1/24/2024		0.2	Y
Liberty Utilities	03S13W13F004S/4B	Endress Hauser	E*	74028316000	1/24/2024		1.3	Y
Liberty Utilities	03S12W16H001S/40D	Endress Hauser	E	N80084B16000	1/25/2024	0.8		Y
Liberty Utilities	03S13W09H001S/19C	Endress Hauser	E	S202EA16000	1/25/2024	1.8		Y
Liberty Utilities	03S13W16K002S/12C	Endress Hauser	E	N/A	1/25/2024		0.5	Y

Type: D=Digital Meter, E=Electronic Meter, M=Mechanical Meter, *=New Meter

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Liberty Utilities			Meter Error: 0.2% slow
State Well No.	03S13W25F004S			
Owner No.	9D	Type (D/M/E)	D	
Basin	Central	Make	Kronhe	Pipe In. Dia. (in) 10 1/4
Test Date	1/24/2024	Serial No.	NA	Pipe Area (in ²) 82.516
Tested By	BZ	No. of Dials		
Recorded By	DH	Fixed Zeroes		
		Multi.	1000000	New meter?
Last Test Date	3/13/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	513.3223		Mano. Diff.	Qp = 82.52 x 3.15 = 259.9 gpm
2nd Reading	513.3232	1	3.0	Qm = 1 x $\frac{900}{3.572}$ = 252.0 gpm
Difference	0.0009	2	3.0	% diff. = 100 x $\frac{7.95}{259.93}$ = 3.06% slow
Elapsed Time	3 m 34.31 s	3	3.2	VOID? <input type="checkbox"/>
Total Minutes	3.572	4	3.2	<u>Notes</u>
		5	3.1	
		6	3.1	
		7	3.3	
		8	3.0	
		9	3.3	
		10	3.3	
		Avg	3.15	

1st Reading	513.3253		Mano. Diff.	Qp = 82.52 x 3.23 = 266.5 gpm
2nd Reading	513.3267	1	3.1	Qm = 1 x $\frac{1400}{5.344}$ = 262.0 gpm
Difference	0.0014	2	3.3	% diff. = 100 x $\frac{4.53}{266.53}$ = 1.70% slow
Elapsed Time	5 m 20.61 s	3	3.3	VOID? <input type="checkbox"/>
Total Minutes	5.344	4	3.5	<u>Notes</u>
		5	3.4	
		6	3.4	
		7	3.2	
		8	3.0	
		9	3.0	
		10	3.1	
		Avg	3.23	

1st Reading	513.3243		Mano. Diff.	Qp = 82.52 x 3.17 = 261.6 gpm
2nd Reading	513.3253	1	3.0	Qm = 1 x $\frac{1000}{3.672}$ = 272.3 gpm
Difference	0.001	2	3.2	% diff. = 100 x $\frac{-10.75}{261.58}$ = 4.11% fast
Elapsed Time	3 m 40.33 s	3	3.3	VOID? <input type="checkbox"/>
Total Minutes	3.672	4	3.3	<u>Notes</u>
		5	3.4	
		6	3.2	
		7	3.2	
		8	3.0	
		9	3.0	
		10	3.1	
		Avg	3.17	

Notes

WATER METER TEST

Owner	Liberty Utilities			Meter Error: 1.3% slow
State Well No.	03S13W13F004S			
Owner No.	4B	Type (D/M/E)	E	
Basin	Central	Make	Endress Hauser	Pipe In. Dia. (in) 7 1/2
Test Date	1/24/2024	Serial No.	74028316000	Pipe Area (in ²) 44.179
Tested By	BZ	No. of Dials		
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter? X
Last Test Date	3/13/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	264162		Mano. Diff.	Qp = 44.18 x 13.33 = 588.9 gpm
2nd Reading	264163	1	13.1	Qm = 1 x $\frac{1000}{1.738}$ = 575.3 gpm
Difference	1	2	13.4	% diff. = 100 x $\frac{13.58}{588.90}$ = 2.31% slow
Ellapsed Time	1 m 44.29 s	3	13.3	VOID? <input type="checkbox"/>
Total Minutes	1.738	4	13.2	<u>Notes</u>
		5	13.5	
		6	13.5	
		7	13.5	
		8	13.3	
		9	13.2	
		10	13.3	
		Avg	13.33	

1st Reading	264163		Mano. Diff.	Qp = 44.18 x 12.92 = 570.8 gpm
2nd Reading	264164	1	13.2	Qm = 1 x $\frac{1000}{1.701}$ = 588.1 gpm
Difference	1	2	13.2	% diff. = 100 x $\frac{-17.27}{570.79}$ = 3.03% fast
Ellapsed Time	1 m 42.03 s	3	13.0	VOID? <input type="checkbox"/>
Total Minutes	1.701	4	12.8	<u>Notes</u>
		5	12.7	
		6	12.8	
		7	12.8	
		8	12.8	
		9	12.9	
		10	13.0	
		Avg	12.92	

1st Reading	264164		Mano. Diff.	Qp = 44.18 x 12.97 = 573.0 gpm
2nd Reading	264165	1	12.7	Qm = 1 x $\frac{1000}{1.832}$ = 545.9 gpm
Difference	1	2	12.9	% diff. = 100 x $\frac{27.15}{573.00}$ = 4.74% slow
Ellapsed Time	1 m 49.92 s	3	12.9	VOID? <input type="checkbox"/>
Total Minutes	1.832	4	13.0	<u>Notes</u>
		5	13.1	
		6	13.1	
		7	13.0	
		8	13.1	
		9	12.9	
		10	13.0	
		Avg	12.97	

Notes

WATER METER TEST

Owner	Liberty Utilities			Meter Error: 0.8% fast
State Well No.	03S12W16H001S			
Owner No.	40D	Type (D/M/E)	E	
Basin	Central	Make	Endress Hauser	Pipe In. Dia. (in) 5 3/4
Test Date	1/25/2024	Serial No.	N80084B16000	Pipe Area (in ²) 25.967
Tested By	AC	No. of Dials		
Recorded By	AC	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	3/13/2023	Units (gal/af/cf)	gal	Pipe ID'd? X

1st Reading	1192857.5		Mano. Diff.	
2nd Reading	1192858.75	1	17.5	Qp = 25.97 x 17.50 = 454.4 gpm
Difference	1.25	2	17.3	Qm = 1 x $\frac{1250}{2.756}$ = 453.6 gpm
Elapsed Time	2 m 45.34 s	3	17.6	% diff. = 100 x $\frac{0.82}{454.43}$ = 0.18% slow
Total Minutes	2.756	4	17.5	VOID? <input type="checkbox"/>
		5	17.4	<u>Notes</u>
		6	17.6	
		7	17.6	
		8	17.5	
		9	17.4	
		10	17.6	
		Avg	17.50	

1st Reading	1192858.75		Mano. Diff.	
2nd Reading	1192861.38	1	15.7	Qp = 25.97 x 16.07 = 417.3 gpm
Difference	2.63	2	15.6	Qm = 1 x $\frac{2630}{6.240}$ = 421.5 gpm
Elapsed Time	6 m 14.38 s	3	15.8	% diff. = 100 x $\frac{-4.20}{417.29}$ = 1.01% fast
Total Minutes	6.240	4	16.9	VOID? <input type="checkbox"/>
		5	16.2	<u>Notes</u>
		6	16.1	
		7	16.0	
		8	16.1	
		9	16.3	
		10	16.0	
		Avg	16.07	

1st Reading	1192861.38		Mano. Diff.	
2nd Reading	1192862.5	1	15.1	Qp = 25.97 x 15.24 = 395.7 gpm
Difference	1.12	2	15.2	Qm = 1 x $\frac{1120}{2.785}$ = 402.2 gpm
Elapsed Time	2 m 47.08 s	3	15.2	% diff. = 100 x $\frac{-6.46}{395.74}$ = 1.63% fast
Total Minutes	2.785	4	15.3	VOID? <input type="checkbox"/>
		5	15.2	<u>Notes</u>
		6	15.3	
		7	15.2	
		8	15.3	
		9	15.4	
		10	15.2	
		Avg	15.24	

Notes

WATER METER TEST

Owner	Liberty Utilities				
State Well No.	03S13W09H001S				Meter Error: 1.8% fast
Owner No.	19C	Type (D/M/E)	E		
Basin	Central	Make	Endress+Hauser	Pipe In. Dia. (in)	11.5
Test Date	1/25/2024	Serial No.	S202EA16000	Pipe Area (in ²)	103.869
Tested By	AC	No. of Dials			
Recorded By	AC	Fixed Zeroes			
		Multi.	1000000	New meter?	
Last Test Date	3/17/2023	Units (gal/af/cf)	gal	Pipe ID'd?	

1st Reading	5347.6743		Mano. Diff.		
2nd Reading	5347.6763	1	8.9	Qp = 103.87	x 8.88 = 922.4 gpm
Difference	0.002	2	9.0	Qm = 1	x $\frac{2000}{2.105}$ = 950.3 gpm
Elapsed Time	2 m 6.28 s	3	8.9	% diff. = 100	x $\frac{-27.91}{922.36}$ = 3.03% fast
Total Minutes	2.105	4	8.8		
		5	9.0		VOID? <input type="checkbox"/>
		6	8.8		<u>Notes</u>
		7	8.9		
		8	8.8		
		9	8.8		
		10	8.9		
		Avg	8.88		

1st Reading	5347.6763		Mano. Diff.		
2nd Reading	5347.6821	1	9.3	Qp = 103.87	x 9.34 = 970.1 gpm
Difference	0.0058	2	9.4	Qm = 1	x $\frac{5800}{5.899}$ = 983.3 gpm
Elapsed Time	5 m 53.91 s	3	9.2	% diff. = 100	x $\frac{-13.17}{970.14}$ = 1.36% fast
Total Minutes	5.899	4	9.3		VOID? <input type="checkbox"/>
		5	9.2		<u>Notes</u>
		6	9.4		
		7	9.5		
		8	9.5		
		9	9.4		
		10	9.2		
		Avg	9.34		

1st Reading	5347.6865		Mano. Diff.		
2nd Reading	5347.688	1	10.4	Qp = 103.87	x 10.26 = 1065.7 gpm
Difference	0.0015	2	10.2	Qm = 1	x $\frac{1500}{1.394}$ = 1076.4 gpm
Elapsed Time	1 m 23.61 s	3	10.0	% diff. = 100	x $\frac{-10.73}{1065.69}$ = 1.01% fast
Total Minutes	1.394	4	10.0		VOID? <input type="checkbox"/>
		5	9.9		<u>Notes</u>
		6	10.3		
		7	10.4		
		8	10.5		
		9	10.4		
		10	10.5		
		Avg	10.26		

Notes

WATER METER TEST

Owner	Liberty Utilities					Meter Error: 0.5% slow
State Well No.	03S13W16K002S					
Owner No.	12C	Type (D/M/E)	E			
Basin	Central	Make	Endress+Hauser	Pipe In. Dia. (in)	11 1/4	
Test Date	1/25/2024	Serial No.	NA	Pipe Area (in ²)	99.402	
Tested By	AC	No. of Dials				
Recorded By	DH	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	3/17/2023	Units (gal/af/cf)	gal	Pipe ID'd?		

1st Reading	537453.5		Mano. Diff.			
2nd Reading	537455.56	1	6.0	Qp =	99.40	x 6.00 = 596.4 gpm
Difference	2.06	2	6.0	Qm =	1	x $\frac{2060}{3.478}$ = 592.4 gpm
Elapsed Time	3 m 28.66 s	3	6.0	% diff. = 100	x $\frac{4.06}{596.41}$	= 0.68% slow
Total Minutes	3.478	4	6.0			VOID? <input type="checkbox"/>
		5	6.0			<u>Notes</u>
		6	6.0			
		7	6.0			
		8	6.0			
		9	6.0			
		10	6.0			
		Avg	6.00			

1st Reading	537455.56		Mano. Diff.			
2nd Reading	537457.69	1	6.0	Qp =	99.40	x 6.12 = 608.3 gpm
Difference	2.13	2	6.5	Qm =	1	x $\frac{2130}{3.512}$ = 606.5 gpm
Elapsed Time	3 m 30.72 s	3	6.0	% diff. = 100	x $\frac{1.85}{608.34}$	= 0.30% slow
Total Minutes	3.512	4	6.0			VOID? <input type="checkbox"/>
		5	6.0			<u>Notes</u>
		6	6.0			
		7	6.2			
		8	6.0			
		9	6.5			
		10	6.0			
		Avg	6.12			

1st Reading	537457.69		Mano. Diff.			
2nd Reading	537459.13	1	6.0	Qp =	99.40	x 6.00 = 596.4 gpm
Difference	1.44	2	6.0	Qm =	1	x $\frac{1440}{2.430}$ = 592.6 gpm
Elapsed Time	2 m 25.79 s	3	6.0	% diff. = 100	x $\frac{3.78}{596.41}$	= 0.63% slow
Total Minutes	2.430	4	6.0			VOID? <input type="checkbox"/>
		5	6.0			<u>Notes</u>
		6	6.0			
		7	6.0			
		8	6.0			
		9	6.0			
		10	6.0			
		Avg	6.00			

Notes

AGENDA ITEM 10

CENTRAL BASIN WATER RIGHTS PANEL AGENDA REPORT

Date: March 14, 2024
To: Central Basin Water Rights Panel
From: Water Testing Ad-Hoc Committee

Subject: Water Meter Testing Contract Extension

Recommendation:

Discuss the Central Basin Water Rights Panel contract amendment for the extension of meter testing services with DWR.

Discussion:

Discuss the extension of the meter testing agreement with the Department of Water Resources as presented in Amendment No. 5 of the contract.

Attachments:

1. CBWRP Contract (DWR Agreement 333182 Am. 05)

DEPARTMENT OF WATER RESOURCES

715 P STREET, 7th FLOOR P.O. BOX 942836
SACRAMENTO, CA 94236-0001



March 5, 2024

Central Basin Water Rights Panel
c/o Water Replenishment District
4040 Paramount Blvd.
Lakewood, CA 90712

Attention: Toby Moore
Vice Chair, Central Basin Water Rights Panel

DWR Agreement Number: 333182 Am. 05

Dear Mr. Moore:

Please review, sign, and date the enclosed agreement via DocuSign or Adobe and return the entire contract package for further processing.

This amendment will not become effective until approved by the Department of General Services as required by State procedure. When fully approved, an original copy will be sent to you.

Inquiries concerning the services to be performed under this agreement should be referred to Abiodun Aderonmu at (818) 549-2327. Inquiries concerning the processing of this agreement should be referred to me at the number listed below.

Sincerely,

A handwritten signature in blue ink, appearing to read "Beth Medeiros", with a long horizontal flourish extending to the right.

Beth Medeiros
Contract Specialist
Business Services Office
(916) 902-6989

Enclosure

STANDARD AGREEMENT - AMENDMENT

STD 213A (Rev. 4/2020)

 CHECK HERE IF ADDITIONAL PAGES ARE ATTACHED 3 PAGES

AGREEMENT NUMBER

333182

AMENDMENT NUMBER

5

Purchasing Authority Number

1. This Agreement is entered into between the Contracting Agency and the Contractor named below:

CONTRACTING AGENCY NAME

Department of Water Resources

CONTRACTOR NAME

Central Basin Water Rights Panel

2. The term of this Agreement is:

START DATE

July 1, 2014

THROUGH END DATE

June 30, 2026

3. The maximum amount of this Agreement after this Amendment is:

\$900,000.00 Nine Hundred Thousand Dollars and Zero Cents

4. The parties mutually agree to this amendment as follows. All actions noted below are by this reference made a part of the Agreement and incorporated herein:

- A. Std. 213A, Amendment 4, Paragraph 2, is hereby amended to read: Extend the termination date by two years, from June 30, 2024 to June 30, 2026. The term of this agreement begins on July 1, 2014 and terminates on June 30, 2026. This time extension will allow DWR to continue to provide water meter testing services to the Central Basin Water Rights Panel.
- B. Std. 213A, Amendment 4, Paragraph 3, is hereby amended to read: Increase the maximum amount receivable by \$150,000.00, from \$750,000.00 to \$900,000.00. The maximum amount receivable under this agreement shall not exceed \$900,000.00.
- C. Exhibit A, Scope of Work, is attached and replaces the previous version in its entirety.
- D. Exhibit B, Attachment 1, Cost Sheet, is attached and replaces the previous version in its entirety.
- E. Exhibit C, General Terms and Conditions for Interagency agreements (Rev 11/22), is replacing the previous version, GIA 610. The Exhibit C is incorporated by reference and made part of this amendment as if attached hereto. This document can be viewed at <https://www.dgs.ca.gov/OLS/Resources/Page-Content/Office-of-Legal-Services-Resources-List-Folder/Standard-Contract-Language>
- F. All other terms and conditions of Contract #333182, including Amendments 1, 2, 3, and 4, shall remain the same.

*All other terms and conditions shall remain the same.**IN WITNESS WHEREOF, THIS AGREEMENT HAS BEEN EXECUTED BY THE PARTIES HERETO.***CONTRACTOR**

CONTRACTOR NAME (if other than an individual, state whether a corporation, partnership, etc.)

Department of Water Resources

CONTRACTOR BUSINESS ADDRESS

770 Fairmont Avenue

CITY

Glendale

STATE

CA

ZIP

91203

PRINTED NAME OF PERSON SIGNING

Thang (Vic) Nguyen

Approved as to legal form
and sufficiency:

Karen Jackson

TITLE

Manager, Southern Region Office

CONTRACTOR AUTHORIZED SIGNATURE

Thang Nguyen

for Asst. General Counsel, DWR

DATE SIGNED

3/4/2024

STANDARD AGREEMENT - AMENDMENT

STD 213A (Rev. 4/2020)

CHECK HERE IF ADDITIONAL PAGES ARE ATTACHED 3 PAGES

AGREEMENT NUMBER 333182	AMENDMENT NUMBER 5	Purchasing Authority Number
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STATE OF CALIFORNIA

CONTRACTING AGENCY NAME

Central Basin Water Rights Panel

CONTRACTING AGENCY ADDRESS

c/o Water Replenishment District, 4040 Paramount Blvd.

CITY

Lakewood

STATE

CA

ZIP

90712

PRINTED NAME OF PERSON SIGNING

Toby Moore

TITLE

Vice Chair, Central Basin Water Rights Panel

CONTRACTING AGENCY AUTHORIZED SIGNATURE

DATE SIGNED

CALIFORNIA DEPARTMENT OF GENERAL SERVICES APPROVAL

EXEMPTION, IF APPLICABLE

EXHIBIT A
SCOPE OF WORK
Water Meter Testing Services

1. Introduction

The **Department of Water Resources (DWR)** agrees to provide water meter testing services as described herein to the **Central Basin Water Rights Panel (CBWRP)**.

Accurate and regular measurement of groundwater extractions is crucial for sustainable management of groundwater in adjudicated Central Basin. Under the Third Amended Judgment of December 2013, declaring and establishing water rights in the basin, the Court appointed CBWRP as the arm of the Central Basin Watermaster (CBW) that is responsible for inspection, calibration and testing of measuring devices installed on groundwater extraction wells in Central Basin in Los Angeles County.

2. Location of Services

The services will be performed at the approximately 236 known pumper sites in the Central Basin service area.

3. Contract Managers

The Contract Managers for the term of this agreement are listed below and may be changed by written notice to the other Party.

Department of Water Resources

Thang (Vic) Nguyen, Chief
Southern Region Office
770 Fairmont Avenue, Suite 200
Glendale, California 91203
Mobile: (818)-207-9487
Email: Thang.Nguyen@water.ca.gov
Phone: (818) -254-4791

Central Basin Water Rights Panel

Toby Moore, Chair
Central Basin Water Rights Panel
c/o City of Downey
11111 Brookshire Avenue
Downey, CA 90241
Email: tobymoore@gswater.com
Phone: (909) 506-1347

4. DWR Tasks and Responsibilities

- a. DWR will contact all parties with active meters to schedule appointments for meter tests.
- b. DWR will conduct a meter test once per year for parties with 500 or more acre-feet of Allowable Pumping Allocation (APA) and at least once every two years for parties with APA less than 500 acre-feet. Depending on distances between sites, site conditions, and accessibility, DWR will test three to five meters per day to maximize cost efficiency.
- c. DWR will test flow meters using the pitot tube method, which is a proven, objective, reliable, accurate, and relatively rapid method of testing. DWR's standard practice is to take three tests at each meter and average the results to ensure that the meter registers within the required limits of ± 5 percent.

5. Deliverables

- a. On a monthly basis, DWR will provide the Water Rights Panel with an electronic copy of the field data sheet and the test result for each meter tested. The field data sheet and test result will be submitted in an Adobe® Portable Document Format (“pdf”) file using the latest Adobe Acrobat Professional version. The pdf file will be suitable for printing in final form.
- b. Each month, DWR will send an invoice for payment to the Water Rights Panel for services rendered during the previous month. The invoice will detail the State Well Number of each meter tested.

6. Central Basin Water Rights Panel Tasks and Responsibilities

- a. The Water Rights Panel will provide DWR with updated party contact information and well information, as necessary for DWR to complete the tasks identified in this agreement.
- b. Process payment to DWR within 30 days from the date on the invoice.

7. Pumper Tasks and Responsibilities

- a. Pumpers will ensure that all well site discharge lines are properly equipped with 1-inch corporation stops. DWR can provide guidelines for installation, if needed.
- b. Pumpers will provide a clean, safe, and accessible site for our staff. On the day of the test, an operator must provide access to the well site, operate the facility, and be present for the duration of the meter test. DWR staff is only responsible for testing and will not operate the system.

8. Cost

DWR will perform the services specified in this Scope of Work for a flat fee of \$300 per individual meter test. The cost for this 2-year contract is **not-to-exceed \$75,000.00 per year for a maximum total amount payable of \$150,000.00** by the Water Rights Panel to DWR for services rendered.

9. Cancellation of Scheduled Appointment for Meter Test

Once an appointment is set up with a party for a meter test, DWR requires a minimum 24-hour advance notice to cancel without penalty. Any cancellation that does not meet this minimum requirement will be billed up to the full cost of the meter test.

10. Schedule

The duration of services rendered is a period of 24 months from **July 1, 2024 to June 30, 2026**. The number of meters tested will vary from week to week and month to month depending on the number of active wells. DWR anticipates testing up to 250 meters per year.

11. Termination of Contract

Either party may terminate this Contract by giving at least a 60-day written notice to the other party.

**EXHIBIT B, ATTACHMENT 1
COST SHEET**

Central Basin Meter Testing Service Contract Cost

Cost Per Meter Test

Description	Hours	Rate	Amount (\$)
Test preparation, Appointment Scheduling	0.30	110	33.00
Labor (burdened) - Test	1	110	110.00
Travel Time	0.75	110	82.50
Vehicle	-	25	25.00
Equipment	-	15	15.00
Supervision	0.20	220	44.00
		Total	309.00

Maximum No. of Meter Test per year = 250

Cost per Meter Test = \$300

Maximum Contract Cost per year = \$75,000

The Cost per Meter Test covers staff time, testing equipment and vehicle cost. Staff cost is based on labor rates as follow:

Classification	Average Hourly Burdened Rate \$
WR Tech ¹ .	110
Sr. Engineer, WR ²	220

¹ Includes staff time for appointment scheduling, travel time to meter test site, field test, vehicle and equipment

² Supervision, reporting and contract management.

CONTRACT ROUTING AND APPROVAL

CONTRACT NUMBER 333182 Am. 05	CONTRACTOR'S NAME CBWRP
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APPROVED FOR ROUTING

CONTRACT COORDINATOR	PHONE	CONTRACT SPECIALIST	PHONE	DATE
		Beth Medeiros	(916) 902-6989	03/05/2024

COMMENTS
 Please email elizabeth.medeiros@water.ca.gov

	ROUTING	APPROVAL
FOR DECENTRALIZED CONTRACTS ONLY	<input type="checkbox"/> Contract Coordinator Location: _____	SIGNATURE _____ DATE _____
	<input type="checkbox"/> Contract Manager Name: _____ Location: _____	SIGNATURE _____ DATE _____
	<input type="checkbox"/> Supervisor/Administrative Officer Name: _____ Location: _____	SIGNATURE _____ DATE _____
	<input type="checkbox"/>	SIGNATURE _____ DATE _____
1	Contract Services	SIGNATURE <i>Beth Medeiros</i> DATE 03/05/2024
2	DWR Office of the General Counsel	SIGNATURE <i>Karen Joelson</i> DATE 3/4/2024
3	Contract Services	SIGNATURE <i>[Signature]</i> DATE 3/4/2024
6	Contractor	DELIVERY INSTRUCTIONS
5	Contract Services	SIGNATURE <i>[Signature]</i> DATE 3/4/2024
4	Name: <u>Thang Nguyen</u> Location: <u>DRA-Southern Region Office</u>	SIGNATURE <i>Thang Nguyen</i> DATE 3/4/2024
7	Contract Services	SIGNATURE _____ DATE _____
8	DGS Office of Legal Services	SIGNATURE _____ DATE _____
<input type="checkbox"/>	Final Distribution	SIGNATURE _____ DATE _____

Certificate Of Completion

Envelope Id: DDC7754E585045FFBA48DFD8C25A6BA2	Status: Sent
Subject: Please DocuSign: DWR / CBWRP Contract 333182 Am. 05	
FormID:	
Optional 1:	
Source Envelope:	
Document Pages: 7	Signatures: 0
Certificate Pages: 4	Initials: 0
AutoNav: Enabled	Envelope Originator:
Envelopeld Stamping: Enabled	Elizabeth Medeiros
Time Zone: (UTC-08:00) Pacific Time (US & Canada)	715 P Street
	Sacramento, CA 95814
	Elizabeth.Medeiros@water.ca.gov
	IP Address: 136.200.53.17

Record Tracking

Status: Original	Holder: Elizabeth Medeiros	Location: DocuSign
3/5/2024 8:44:10 AM	Elizabeth.Medeiros@water.ca.gov	
Security Appliance Status: Connected	Pool: StateLocal	
Storage Appliance Status: Connected	Pool: Department of Water Resources	Location: DocuSign

Signer Events

Signature	Timestamp
Toby Moore	Sent: 3/5/2024 8:46:50 AM
tobymoore@gswater.com	Viewed: 3/5/2024 9:11:09 AM
Security Level: Email, Account Authentication (None)	
Electronic Record and Signature Disclosure:	
Accepted: 3/5/2024 9:11:09 AM	
ID: 4219b908-f8a0-4fb8-ac49-ebea1faf991c	

Elizabeth Medeiros
 elizabeth.medeiros@water.ca.gov
 Security Level: Email, Account Authentication (None)
Electronic Record and Signature Disclosure:
 Not Offered via DocuSign

In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

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Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events

Status

Timestamp

Carbon Copy Events

Status

Timestamp

Witness Events

Signature

Timestamp

Notary Events

Signature

Timestamp

Envelope Summary Events

Status

Timestamps

Envelope Sent	Hashed/Encrypted	3/5/2024 8:46:50 AM
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Payment Events

Status

Timestamps

Electronic Record and Signature Disclosure

ELECTRONIC RECORD AND SIGNATURE DISCLOSURE

From time to time, Department of Water Resources (we, us or Company) may be required by law to provide to you certain written notices or disclosures. Described below are the terms and conditions for providing to you such notices and disclosures electronically through your DocuSign, Inc. (DocuSign) Express user account. Please read the information below carefully and thoroughly, and if you can access this information electronically to your satisfaction and agree to these terms and conditions, please confirm your agreement by clicking the 'I agree' button at the bottom of this document.

Getting paper copies

At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. For such copies, as long as you are an authorized user of the DocuSign system you will have the ability to download and print any documents we send to you through your DocuSign user account for a limited period of time (usually 30 days) after such documents are first sent to you. After such time, if you wish for us to send you paper copies of any such documents from our office to you, you will be charged a \$0.00 per-page fee. You may request delivery of such paper copies from us by following the procedure described below.

Withdrawing your consent

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. To indicate to us that you are changing your mind, you must withdraw your consent using the DocuSign 'Withdraw Consent' form on the signing page of your DocuSign account. This will indicate to us that you have withdrawn your consent to receive required notices and disclosures electronically from us and you will no longer be able to use your DocuSign Express user account to receive required notices and consents electronically from us or to sign electronically documents from us.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through your DocuSign user account all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact Department of Water Resources:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To contact us by phone call: (916) 653-5791

To contact us by paper mail, please send correspondence to:

Department of Water Resources

P.O. Box 942836

Sacramento, CA 95236-0001

To advise Department of Water Resources of your new e-mail address

To let us know of a change in your e-mail address where we should send notices and disclosures electronically to you, you must send an email message to us at don.davis@water.ca.gov and in the body of such request you must state: your previous e-mail address, your new e-mail address. We do not require any other information from you to change your email address..

In addition, you must notify DocuSign, Inc to arrange for your new email address to be reflected in your DocuSign account by following the process for changing e-mail in DocuSign.

To request paper copies from Department of Water Resources

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an e-mail to don.davis@water.ca.gov and in the body of such request you must state your e-mail address, full name, US Postal address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with Department of Water Resources

To inform us that you no longer want to receive future notices and disclosures in electronic format you may:

- i. decline to sign a document from within your DocuSign account, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an e-mail to and in the body of such request you must state your e-mail, full name, IS Postal Address, telephone number, and account number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

Operating Systems:	Windows2000? or WindowsXP?
Browsers (for SENDERS):	Internet Explorer 6.0? or above
Browsers (for SIGNERS):	Internet Explorer 6.0?, Mozilla FireFox 1.0, NetScape 7.2 (or above)
Email:	Access to a valid email account

Screen Resolution:	800 x 600 minimum
Enabled Security Settings:	<ul style="list-style-type: none"> • Allow per session cookies • Users accessing the internet behind a Proxy Server must enable HTTP 1.1 settings via proxy connection

** These minimum requirements are subject to change. If these requirements change, we will provide you with an email message at the email address we have on file for you at that time providing you with the revised hardware and software requirements, at which time you will have the right to withdraw your consent.

Acknowledging your access and consent to receive materials electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please verify that you were able to read this electronic disclosure and that you also were able to print on paper or electronically save this page for your future reference and access or that you were able to e-mail this disclosure and consent to an address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format on the terms and conditions described above, please let us know by clicking the 'I agree' button below.

By checking the 'I Agree' box, I confirm that:

- I can access and read this Electronic CONSENT TO ELECTRONIC RECEIPT OF ELECTRONIC RECORD AND SIGNATURE DISCLOSURES document; and
- I can print on paper the disclosure or save or send the disclosure to a place where I can print it, for future reference and access; and
- Until or unless I notify Department of Water Resources as described above, I consent to receive from exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to me by Department of Water Resources during the course of my relationship with you.

AGENDA ITEM 11

CENTRAL BASIN WATER RIGHTS PANEL AGENDA REPORT

Date: March 14, 2024
To: Central Basin Water Rights Panel
From: Toby Moore-Chair, Water Rights Panel
Subject: **Central Basin Water Rights Panel Election**

Recommendation:

Hold an election to fill three (3) seats on the Water Rights Panel for members whose terms expire June 30, 2024. The representatives elected to the three seats will serve on the Panel until June 30, 2028.

Discussion:

The Term of the three members of the Water Rights Panel expire on June 30, 2024:

1. A member of the Panel elected by Parties with Allowed Pumping Allocation of less than 5,000 acre feet who is not a member of the Small Water Producers Group (now the City of Signal Hill);
2. A member of the Panel elected by Parties with Allowed Pumping Allocation of at least 5,000 acre feet, but less than 10,000 acre feet (now the City of Lakewood); and
3. A member of the Panel elected by all Parties holding Allowed Pumping Allocation (now the City of Paramount).

The Panel will conduct an election to fill those seats.

The election to fill these three seats will take place at the last meeting prior to the expiration of the effected member's current term. The Panel's May 9, 2024 meeting is the last regularly scheduled meeting prior to the expiration of the effected seats current term.

A Notice of Nomination and Election along with a Ballot to Nominate and Elect Certain Members of the Central Basin Water Rights Panel will be sent out to each of the Parties pursuant to the to the Third Amended Judgment at least 60 days prior to the scheduled election of May 9, 2024.

Attachment(s):

1. Notice of Nominations and Election of Certain Members of the Central Basin Water Rights Panel of the Central Basin Watermaster.
2. Ballot to Nominate and Elect Certain Members of the Central Basin Water Rights Panel.
3. Central Basin Water Rights Holders eligible for election.

**NOTICE OF NOMINATION AND ELECTION OF
CERTAIN MEMBERS OF THE CENTRAL BASIN WATER
RIGHTS PANEL OF THE CENTRAL BASIN
WATERMASTER**

NOTICE IS HEREBY GIVEN pursuant to Section II B of the Third Amended Judgment (“Judgment”) entered in *Central and West Basin Water Replenishment District v. Charles E. Adams, et al.*, Los Angeles County Superior Court Case No. 786,656 and Rules 5 and 13 of the Central Basin Water Rights Panel (“Panel”) adopted by its Resolution No. 2014-1 that at 1:30 p.m. on May 9, 2024 during Panel’s regularly scheduled meeting in the Board Room at Progress Park, 15500 Downey Avenue, Paramount, California, an election will be held and conducted through the canvass of mailed ballots to fill the following Panel positions for a four year term, commencing on July 1, 2024:

1. A member of the Panel elected by Parties with Allowed Pumping Allocation of less than 5,000 acre feet who is not a member of the Small Water Producers Group (now the City of Signal Hill);
2. A member of the Panel elected by Parties with Allowed Pumping Allocation of at least 5,000 acre feet, but less than 10,000 acre feet (now the City of Lakewood); and
3. A member of the Panel elected by all Parties holding Allowed Pumping Allocation (now the City of Paramount).

The Panel members now occupying the subject positions are eligible to be reelected.

Provided with this notice is a ballot to be mailed to:

Central Basin Water Rights Panel
c/o Water Replenishment District
Attention: Jackie Ramirez
4040 Paramount Boulevard
Lakewood, California 90712

In voting by and through the provided ballot, each Party will have an opportunity to nominate and vote for one Panel position established by that Party’s total Allowed Pumping Allocation and the position elected by all Parties holding Allowed Pumping Allocation. The ballot also must identify the Party voting and the name of that Party’s designee who filled out and cast the ballot. Ballots must be received by Panel prior to the commencement of Panel’s meeting at 1:30 p.m. on May 9, 2024.

Questions concerning this notice, the enclosed ballot or the election should be directed to Jackie Ramirez at the address stated above, by telephone at 562-275-4257 or by email at jramirez@wrd.org.

Dated: 02-08-2024

Toby Moore, Chairman
Central Basin Water Rights Panel

**BALLOT TO NOMINATE AND ELECT
CERTAIN MEMBERS OF THE CENTRAL BASIN
WATER RIGHTS PANEL**

The undersigned Party With Allowed Pumping Allocation in accordance with the Third Amended Judgment in *Central and West Basin Water Replenishment District v. Adams, et. al.*, Los Angeles County Superior Court No. 786,656 hereby nominates and casts its votes to elect the following Parties to the respective positions on the Central Basin Water Rights Panel stated below:

1. The following party to be elected by Parties with total Allowed Pumping Allocation of less than 5,000 acre feet who is not a member from the Small Water Producers Group

(Provide the name of the Party for whom the vote is cast if applicable. Leave the space blank if not applicable.)

2. The following party to be elected by Parties with total Allowed Pumping Allocation of at least 5,000 acre feet, but less than 10,000 acre feet.

(Provide the name of the Party for whom the vote is cast if applicable. Leave the space blank if not applicable.)

3. The following party to be elected by all Parties with Allowed Pumping Allocation

(Provide the name of the Party for whom the vote is cast.)

Dated: _____

Printed name of voting Party with Allowed Pumping Allocation

By: _____

Printed name of person who is voting Party's designee who filled out and is casting the ballot

Signature of person who is voting Party's designee who filled out and is casting the ballot

Parties with APA less than 5,000 AF	
Pumper/Entity Name	APA
Omega OU1/OU3 LLC	0.50
Boy Scouts of America	1.00
Buell, Mary Dolores	1.00
Chang, I-Hsin and Associates	1.00
Crandell, F.J.	1.00
HMB Bandini, LLC	1.00
Petersburg LP	1.00
Rowland Water District	1.00
Statewide Stations, Inc.	1.00
Hoke, Barbara	1.50
Rosing, Nancy	1.50
Hathaway, Merrie F	1.86
Dolan, J.E. P.A.	2.00
Emoto, John H	2.00
New England Mutual Life Insurance Company	2.00
Wolfsberger, Helen/Joseph, Chris	2.00
Julee Margulies Metz, Jon Schwartz and Darrin Margulies T	3.00
Oltmans Construction Company	3.00
Rosales, Elvira C	3.00
Corning Trust	3.75
Footbridge 1 Trust	3.75
Angeles Abbey Memorial Park, Inc.	4.00
Forestar (USA) Real Estate Group Inc.	4.00
Nancy Dee Keane Living Trust	4.00
Scantlebury, Robert P.	4.00
Hathaway, Richard F, Jr.	4.07
Hathaway, William A	4.07
Rippy, Francine	4.07
Hathaway, Loline	4.08
Ford Motor Company	4.50
Northrop Grumman/Omega Chemical	4.50
Central Basin Municipal Water District	4.65
Automobile Club of Southern California	6.00
Equilon Enterprises, LLC	6.00
Harada Investments, LLC	6.00
Lussman, Paul H. Jr., Et Al	7.00
Omega OU2, LLC.	7.47
O N K Farms	8.00
WEMS, Inc	8.00
LA Brickyard, LLC	9.00
Vangrootheest, Ernest A	10.00
Mitsuuchi, Mary F Trust	11.00
Artesia Cemetery District	12.00
Patrician Associates Inc/Majestic Realty Company	12.00
Pico Boys Baseball, Inc.	13.00

Flesch, Elizabeth Et Al	14.00
Little Lake Cemetery District	14.00
Yamamoto, George & Alice Acct	14.00
Paradise Memorial Park	16.00
Artesia, City of	24.00
Baker, Mary	28.00
Blakslee Trust	33.00
Lincoln Memorial Park Inc	34.00
Compton Unified School District	38.00
St. John Bosco School	42.00
Paramount Unified School District	46.00
California, State of (Caltrans)	50.00
Tesoro Refining	54.00
El Rancho Unified School District	55.00
Baker Commodities Inc.	60.00
American Textile Maintenance Company	65.00
California Domestic Water Company	87.00
Bellflower Unified School District	89.00
Whittier Union High School District	100.00
Rockview Dairies, Inc.	101.00
Darling-Delaware Company, Inc	117.00
Cerritos Community College District	147.00
Newark Group, Inc., The	157.00
Lunday-Thagard Oil Company	212.00
Lynwood Park Mutual Water Company	222.00
Virginia Country Club	274.00
ABC Unified School District	298.00
Bellflower Home Garden Water Company	306.00
Inglewood Park Cemetery	317.00
Roman Catholic Archbishop of Los Angeles	347.00
Norwalk-La Mirada Unified School District	378.00
Montebello, City of	386.50
Tract 349 Mutual Water Company	423.00
Los Angeles County Rancho Los Amigos	490.00
PABCO Building Products, LLC	500.00
Coast Packing Company	530.00
Southern California Edison Company	670.00
Bellflower, City of	680.00
Maywood Mutual Water Company No. 1	741.00
Whittier, City of	895.00
Maywood Mutual Water Company No. 2	912.00
Puente Basin Water Agency	965.00
Walnut Park Mutual Water Company	1009.00
Liberty Utilities Corporation	1159.30
Orchard Dale Water District	1254.00
South Montebello Irrigation District	1268.00
Maywood Mutual Water Company No. 3	1407.00

Montebello Land and Water Company	1891.00
Bell Gardens, City of	1914.00
Signal Hill, City of	2022.00
Tract 180 Mutual Water Company	2137.00
Norwalk, City of	2273.00
San Gabriel Valley Water Company	2569.42
La Habra Heights County Water District	2668.00
California American Water Company	2875.00
Pico Water District	3624.00
Huntington Park, City of	3853.00
Santa Fe Springs, City of	4035.78
Suburban Water Systems	4195.00
Bellflower-Somerset Mutual Water Company	4412.88
Cerritos, City of	4680.03

**Parties with APA of at least 5,000
acre feet, but less than 10,000 acre feet**

Pumper/Entity Name	APA
Commerce, City of	5,081.00
Lynwood, City of	5,337.00
Pico Rivera, City of	5,579.00
Compton, City of	5,780.00
Paramount, City of	5,883.00
California Water Service Company (Dominguez)	6,480.00
Vernon, City of	7,539.00
Lakewood, City of Water Department	9,432.00

All Parties with APA

Party	APA
ABC Unified School District	298.00
American Textile Maintenance Company	65.00
Angeles Abbey Memorial Park, Inc.	4.00
Artesia Cemetery District	12.00
Artesia, City of	24.00
Automobile Club of Southern California	6.00
Baker Commodities Inc.	60.00
Baker, Mary	28.00
Bell Gardens, City of	1914.00
Bellflower Home Garden Water Company	306.00
Bellflower Unified School District	89.00
Bellflower, City of	680.00
Bellflower-Somerset Mutual Water Company	4412.88
Blakslee Trust	33.00
Boy Scouts of America	1.00
Buell, Mary Dolores	1.00
California American Water Company	2875.00
California Domestic Water Company	87.00
California Water Service Company (Dominguez)	6,480.00
California Water Service Company (East LA)	11774.00
California, State of (Caltrans)	50.00
Central Basin Municipal Water District	4.65
Cerritos Community College District	147.00
Cerritos, City of	4680.03
Chang, I-Hsin and Associates	1.00
Coast Packing Company	530.00
Commerce, City of	5,081.00
Compton Unified School District	38.00
Compton, City of	5,780.00
Corning Trust	3.75
Crandell, F.J.	1.00
Darling-Delaware Company, Inc	117.00
Dolan, J.E. P.A.	2.00
Downey, City of	16553.62
El Rancho Unified School District	55.00
Emoto, John H	2.00
Equilon Enterprises, LLC	6.00
Flesch, Elizabeth Et Al	14.00
Footbridge 1 Trust	3.75
Ford Motor Company	4.50
Forestar (USA) Real Estate Group Inc.	4.00
Golden State Water Company	16439.20
Harada Investments, LLC	6.00
Hathaway, Loline	4.08
Hathaway, Merrie F	1.86

Hathaway, Richard F, Jr.	4.07
Hathaway, William A	4.07
HMB Bandini, LLC	1.00
Hoke, Barbara	1.50
Huntington Park, City of	3853.00
Inglewood Park Cemetery	317.00
Julee Margulies Metz, Jon Schwartz and Darrin Margulies Trust	3.00
LA Brickyard, LLC	9.00
La Habra Heights County Water District	2668.00
Lakewood, City of Water Department	9,432.00
Liberty Utilities Corporation	1159.30
Lincoln Memorial Park Inc	34.00
Little Lake Cemetery District	14.00
Long Beach, City of	32692.00
Los Angeles County Rancho Los Amigos	490.00
Los Angeles, City of Dept of Water and Power	17236.00
Lunday-Thagard Oil Company	212.00
Lussman, Paul H. Jr., Et Al	7.00
Lynwood Park Mutual Water Company	222.00
Lynwood, City of	5,337.00
Maywood Mutual Water Company No. 1	741.00
Maywood Mutual Water Company No. 2	912.00
Maywood Mutual Water Company No. 3	1407.00
Mitsuuchi, Mary F Trust	11.00
Montebello Land and Water Company	1891.00
Montebello, City of	386.50
Nancy Dee Keane Living Trust	4.00
New England Mutual Life Insurance Company	2.00
Newark Group, Inc., The	157.00
Northrop Grumman/Omega Chemical	4.50
Norwalk, City of	2273.00
Norwalk-La Mirada Unified School District	378.00
O N K Farms	8.00
Oltmans Construction Company	3.00
Omega OU1/OU3 LLC	0.50
Omega OU2, LLC.	7.47
Orchard Dale Water District	1254.00
PABCO Building Products, LLC	500.00
Paradise Memorial Park	16.00
Paramount Unified School District	46.00
Paramount, City of	5,883.00
Patrician Associates Inc/Majestic Realty Company	12.00
Petersburg LP	1.00
Pico Boys Baseball, Inc.	13.00
Pico Rivera, City of	5,579.00
Pico Water District	3624.00
Puente Basin Water Agency	965.00

Rippy, Francine	4.07
Rockview Dairies, Inc.	101.00
Roman Catholic Archbishop of Los Angeles	347.00
Rosales, Elvira C	3.00
Rosing, Nancy	1.50
Rowland Water District	1.00
San Gabriel Valley Water Company	2569.42
Santa Fe Springs, City of	4035.78
Scantlebury, Robert P.	4.00
Signal Hill, City of	2022.00
South Gate, City of	11183.00
South Montebello Irrigation District	1268.00
Southern California Edison Company	670.00
St. John Bosco School	42.00
Statewide Stations, Inc.	1.00
Suburban Water Systems	4195.00
Tesoro Refining	54.00
Tract 180 Mutual Water Company	2137.00
Tract 349 Mutual Water Company	423.00
Vangrootheest, Ernest A	10.00
Vernon, City of	7,539.00
Virginia Country Club	274.00
Walnut Park Mutual Water Company	1009.00
WEMS, Inc	8.00
Whittier Union High School District	100.00
Whittier, City of	895.00
Wolfsberger, Helen/Joseph, Chris	2.00
Yamamoto, George & Alice Acct	14.00