

**REGULAR MEETING OF THE
CENTRAL BASIN WATERMASTER
WATER RIGHTS PANEL
MARIPOSA CENTER
MEETING ROOM
8550 JEFFERSON ST. PARAMOUNT, CA 90723**

1:30 PM, THURSDAY, JANUARY 9, 2025

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 14, 2024**
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
- 2024-25 AY Watermaster Invoices
- 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. WRITTEN COMMUNICATIONS

11. AGENDA ITEMS FOR THE MARCH 13, 2025 WATER RIGHTS PANEL MEETING

12. WATER RIGHTS PANEL MEMBER COMMENTS

The next regular meeting of the Central Basin Watermaster Water Rights Panel will be on Thursday, March 13th, 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 14, 2024

Chair Falagan 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
Derek Nguyen	City of Lakewood (Absent)
Anatole Falagan	City of Long Beach
Joanna Moreno	City of Vernon
Raymond Cordero	City of Whittier
Toby Moore	Golden State Water Company

Also Present

Matt Qassis	LADWP
Jim Markman	RWG Law
Ken Scott	Eco Gas Inc
Jackie Ramirez	Water Replenishment District (Secretary)
Asha Kreiling	Water Replenishment District
Esther Rojas	Water Replenishment District
Brian Partington	Water Replenishment District

3. PUBLIC COMMENTS

No public comments were received.

4. CONSENT CALENDAR

Secretary Ramirez provided an edit to page five of six of the September 12, 2024 meeting minutes by changing the statement of "Lakewood did intend to violate..." to "Lakewood did not intend to violate..."

Chair Falagan entertained a motion to approve the Consent Calendar including the edit in the meeting minutes. The motion was made by Panel Member Moore and seconded by Vice Chair Mueller.

The consent calendar was approved by a unanimous voice vote of 6 ayes, 0 abstentions, and 0 no's (6-0-0).

5. TREASURER'S REPORT

Special Notation: Treasurer Nguyen was absent, so Chair Falagan opened the item to Panel Member comments.

The Water Replenishment District's summary reports showed the activities from Fiscal Year July 1, 2024 to October 21, 2024, payments totaling \$19,505.13 were processed leaving a balance of \$627,138.77.

The CBWRP summary tables showed payments broken down into four types of services: Administrative Services, Meter Testing, Legal Services, and Miscellaneous. For the 2024-2025 Fiscal Year, the August, September, and October payments totaled \$8,562.65, bringing the overall Fiscal Year expenditures to \$10,142.75. The current account balance is \$141,757.25; approximately 93.33% of the total budget.

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

The motion was approved by a unanimous voice vote of 6 ayes, 0 abstentions, and 0 no's (6-0-0).

6. ADMINISTRATIVE BODY REPORT

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

2024 – 2025 Groundwater Pumping

For Administrative Year (AY) 2024-25 through September, Central Basin groundwater pumping was 45,260.08 acre-feet (af), which is 6.1% more than the same period in the previous AY.

2024 – 2025 Water Rights Activity

For AY 2024-25 as of October 31st, there were 26 leases processed transferring 12,940.25 af of rights, of which 20 leases are with flex and 6 leases without flex.

There have been two transactions permanently transferring 28.00 af of one-year carryover.

2024 – 2025 Storage Activity

For Administrative Year (AY) 2024-25 a total of 14,489.34 af have been withdrawn from storage.

2024 – 2025 Watermaster Invoices

Staff will be closing out the 2024-2025 Budget. Parties with outstanding balances were contacted multiple times via email. Those not received by the end of the year will incur a 5% penalty on the administrative body portion.

2023 – 2024 Draft Annual Watermaster Report

Staff will discuss details regarding Draft Annual Watermaster Report in Item 10.

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

The motion was approved by a roll call voice vote of 6 ayes, 0 abstentions, and 0 no's (6-0-0).

7. ATTORNEY'S REPORT

Attorney Markman had nothing to report. However, he did confirm that the over extraction by City of Lakewood had been taken care of by including a footnote in the annual report.

8. SECRETARY'S REPORT

Secretary Ramirez had nothing to report.

9. WATER METER TESTING

Secretary Ramirez presented the meter testing summary for September 2024. During September, 10 meters were tested, and 10 meters were determined to be within the acceptable margin of error.

Chair Falagan entertained a motion to receive and file the Administrative Body Report. The motion was made by Panel Member Moreno seconded by Panel Member Cordero.

The motion was approved by a roll call voice vote of 6 ayes, 0 abstentions, and 0 no's (6-0-0).

10. WRD UPDATE – GROUNDWATER MODEL UPDATE

Brian Partington, Manager of Hydrogeology at the Water Replenishment District, provided a presentation, "Groundwater Model Update – County Line Evaluation." He provided an update on ongoing discussions between Orange County Water Authority and WRD regarding underflow between the Orange County groundwater basin and Central Basin and efforts to address the differences in simulations

between Orange County Water Authority's and WRD's separate models. A few key points Mr. Partington made were:

- The presentation compared the LA Coastal Plain model developed by USGS for WRD and the Orange County model created in-house, focusing on the area along the county line where the two models overlap.
- The goal was to evaluate the differences in the models and understand the simulated groundwater flow across the county line.
- Key areas analyzed were model calibration, model structure and properties, and the simulated underflow across the county line.
- The analysis found some differences in how the two models represented the aquifer structure and properties, which led to differences in the simulated underflow.
- The LA model showed more flow from Orange County into LA, while the Orange County model showed more flow in the opposite direction.
- Recommendations included improving model calibration, revisiting hydraulic conductivities, and extending the calibration period for both models.
- There are always limitations and uncertainties in groundwater modeling, especially in trying to align models developed independently by different agencies.

Panel Member Moore had questions. He stated that Golden State Water is in both Central Basin and Orange County Basin and questioned the speculation around Orange County losing water to the Central Basin. He noted that at the time of the Central Basin adjudication, there was already an assumed groundwater underflow from Central Basin to Orange County. He questioned whether this historical context and the established underflow are being considered in the current discussions about Orange County potentially losing water to Central Basin. He also addressed his concern with the Alamitos Barrier failing to protect the Orange County side.

Mr. Partington acknowledged that it is challenging to determine a precise number for the groundwater underflow between the basins, as the models show different results. However, underflow needs to be looked at across the entire county line, not just in one specific area, and programs being explored may help balance the flows in the future. He also explained that the next steps are further discussions with the USGS to incorporate new data and adjust the models. He noted this process will likely take a couple more years, as the USGS has a lengthy process for updating their groundwater models.

11.2023-2024 WATERMASTER ANNUAL REPORT

Esther Rojas stated that the updated annual report was emailed to everyone on October 9th and posted on the WRD website, comments were due on November 6th. She noted that a few comments were received, which were incorporated into the version included in the agenda packet. Some edits included: updating imported values for San Gabriel Valley Water District, City of Long Beach's imported water and storage values in table four, City of Vernon provided an edit to table 20- budget apportionment and comments on their recycled water numbers, and Long Beach and

Golden State provided an edit to Lakewood’s overextraction footnote. No additional comments were received.

Panel Member Moore sought confirmation from Attorney Markman regarding the City of Lakewood footnote and confirmed that the edit was fine.

Panel Member Moreno mentioned that she was finalizing recycled water numbers with Central Basin Municipal Water District and would provide the update to staff once finalized.

Chair Falagan entertained a motion to adopt the Central Basin Annual Watermaster Report with the feedback provided. The motion was made by Panel Member Moreno and seconded by Panel Member Moore.

The motion was approved by a roll call voice vote of 6 ayes, 0 abstentions, and 0 no’s (6-0-0).

12. WRITTEN COMMUNICATIONS

None.

13. AGENDA ITEMS FOR THE JANUARY 9, 2024 WATER RIGHTS PANEL MEETING

None. However, Panel Member Moore transferred the task of providing Panel updates during the monthly Central Basin Water Association meetings to Vice Chair Mueller.

14. WATER RIGHTS PANEL MEMBER COMMENTS

No Panel Member comments.

Regular Meeting was adjourned at 2:14 pm.

CHAIRMAN

ATTEST:

SECRETARY

AGENDA ITEM 4B

ITEM 4b

Central Basin Watermaster Water
Rights Panel

Invoice Register

January 9, 2025

<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 – October 2024	250349	11/12/2024	\$105.00
Richards, Watson, Gershon	General Legal Services to the Water Rights Panel – November 2024	250912	12/10/2024	\$1,330.00
CA Dept. of Water Resources	Well Meter Testing – October 2024	1097	11/8/2024	\$5,700.00
CA Dept. of Water Resources	Well Meter Testing – November 2024	1098	12/9/2024	\$3,900.00
			TOTAL	\$11,035.00



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: November 12, 2024
Invoice Number: 250349
Matter Number: 12902-0001

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

For professional services rendered through October 31, 2024

Time Detail

<u>Date</u>	<u>Initials</u>	<u>Description</u>	<u>Hours</u>
10/10/24	JLM	REVIEW LAKEWOOD LANGUAGE IN ANNUAL REPORT	0.30
Total			0.30

Timekeeper Summary

<u>Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
JAMES L. MARKMAN	0.30	350.00	105.00
Total	0.30		\$105.00

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

Invoice Date:
Invoice Number:
Matter Number:

November 12, 2024
250349
12902-0001

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Current Legal Fees.....	\$105.00
Current Client Costs Advanced.....	\$0.00
Total Current Fees and Costs.....	\$105.00



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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: November 12, 2024
Invoice Number: 250349
Matter Number: 12902-0001

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

For professional services rendered through October 31, 2024

Fees	105.00
Costs	0.00
Total Amount Due	\$105.00

Approved:

Derek Nguyen, Director of Water Resources

11-15-2024
Date

TERMS: PAYMENT DUE UPON RECEIPT

PLEASE RETURN THIS PAGE WITH YOUR REMITTANCE TO

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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 10, 2024
Invoice Number: 250912
Matter Number: 12902-0001

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

For professional services rendered through November 30, 2024

Time Detail

<u>Date</u>	<u>Initials</u>	<u>Description</u>	<u>Hours</u>
11/11/24	JLM	REVIEW PANEL MEETING AGENDA MATERIAL	0.80
11/14/24	JLM	PREPARE FOR AND ATTEND PANEL MEETING	3.00
Total			3.80

Timekeeper Summary

<u>Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
JAMES L. MARKMAN	3.80	350.00	1,330.00
Total	3.80		\$1,330.00

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

Invoice Date:
Invoice Number:
Matter Number:

December 10, 2024
250912
12902-0001

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Current Legal Fees.....	\$1,330.00
Current Client Costs Advanced.....	\$0.00
Total Current Fees and Costs.....	\$1,330.00



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

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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 10, 2024
Invoice Number: 250912
Matter Number: 12902-0001

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

For professional services rendered through November 30, 2024

Fees	1,330.00
Costs	0.00
Total Amount Due	\$1,330.00

Approved:

Derek Nguyen, Director of Water Resources

12-13-2024

Date

TERMS: PAYMENT DUE UPON RECEIPT

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CALIFORNIA DEPARTMENT OF WATER RESOURCES
Southern Region Office

INVOICE No. 1097

Sold to: Central Basin Water Rights Panel **Date:** 11/8/2024

Company: Central Basin Water Rights Panel

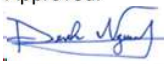
Address: c/o Water Replenishment District, 4040 Paramount Blvd.

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
10/12/24 - 10/18/24	5	Meter Tests in Central Basin, October, 2024	\$300.00	\$1,500.00
10/21/24 - 10/25/24	9	Meter Tests in Central Basin, October, 2024	\$300.00	\$2,700.00
10/28/24 - 10/31/24	5	Meter Tests in Central Basin, October, 2024	\$300.00	\$1,500.00
TOTAL AMOUNT DUE				\$5,700.00

Comments:	Project:	Water Meter Testing Services in the Central Basin DWR Contract #333182		
	Customer No.:	400550	Approved:	
				
			Derek Nguyen, Director of Water Resources	11-15-2024 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. 1098

Sold to: Central Basin Water Rights Panel **Date:** 12/9/2024

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
11/04/24 - 11/08/24	4	Meter Tests in Central Basin, November, 2024	\$300.00	\$1,200.00
11/11/24 - 11/15/24	9	Meter Tests in Central Basin, November, 2024	\$300.00	\$2,700.00
TOTAL AMOUNT DUE				\$3,900.00

Comments:	Project:	Water Meter Testing Services in the Central Basin DWR Contract #333182		
	Customer No.:	400550	Approved:	
				
			Derek Nguyen, Director of Water Resources	12-13-2024 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

AGENDA ITEM 5

CENTRAL BASIN WATER RIGHTS PANEL AGENDA REPORT

Date: January 9, 2025
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 2024-25	Previous Reported	November-December 2024		Expenditure		Budget Status
		November	December	Total	Budget	Used %
Admin Services	3,408.00	-	-	3,408.00	15,000	22.72%
Meter Testing	3,000.00	5,700.00	3,900.00	12,600.00	75,000	16.8%
Legal Services	3,734.75	105.00	1,330.00	5,169.75	30,000	17.23%
Misc./Other	-	-	-	-	31,900	-
Total (UTD)	10,142.75	5,805.00	5,230.00	21,177.75	151,900	13.94%

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 as of 12/13/2024
2. Invoices Processed as of 7/1/2024 – 12/13/2024

WATER REPLENISHMENT DISTRICT OF SO CAL 2
Standard General Ledger - Bank Balances By Funds - WM
From 7/1/2024 Through 12/12/2024

Account Code	Account Title	Effective Date	Document Number	Document Description	Name	Debit	Credit
1341	MBWM CB WRP				Opening Balance	641,753.20	
		7/19/2024	1151	LEGAL SVC THRU 06/30/24 - INV #248600	RWG LAW		254.38
		7/31/2024	JV2879	07/24 INTEREST INCOME		2,450.18	
		8/2/2024	1152	CBWRP MAR-JUNE 2024 ADMIN SERVICES	WRD GENERAL FUND		4,416.00
		8/20/2024	1153	LEGAL SVC THRU 07/31/24 - INV #249081	RWG LAW		1,580.10
		8/31/2024	JV2892	08/24 INTEREST INCOME		2,440.52	
		9/3/2024	1154	06/24 METER TESTING - INVOICE #1095	DEPARTMENT OF WATER RESOURCES		8,100.00
		9/30/2024	JV2906	09/24 INTEREST INCOME		2,341.30	
		10/15/2024	1155	09/24 METER TESTING - INVOICE #1096	DEPARTMENT OF WATER RESOURCES		3,000.00
		10/15/2024	1156	LEGAL SVC THRU 09/30/24 - INV #249714 & #249898	RWG LAW		2,154.65
		10/29/2024	1157	CBWRP JUL-SEPT 2024 ADMIN SERVICES	WRD GENERAL FUND		3,408.00
		10/31/2024	JV2926	10/24 INTEREST INCOME		2,408.05	
		11/26/2024	1158	LEGAL SVC THRU 10/31/24 - INV #250349	RWG LAW		105.00
		11/26/2024	1159	10/24 METER TESTING - INVOICE #1097	DEPARTMENT OF WATER RESOURCES		5,700.00
					Transaction Total	9,640.05	28,718.13
Balance 1341	MBWM CB WRP					622,675.12	
Report Opening/Current Balance						641,753.20	0.00
Report Transaction Totals						9,640.05	28,718.13
Report Current Balances						651,393.25	28,718.13
Report Difference						622,675.12	

AGENDA ITEM 6

CENTRAL BASIN WATER RIGHTS PANEL AGENDA REPORT

Date: January 9, 2025
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. 2024-2025 Groundwater Pumping**
- 2. 2024-2025 Water Rights Activity**
- 3. 2024-2025 Storage Activity**
- 5. 2024-2025 Watermaster Invoices**
- 4. Other Announcements**

Attachment(s):

1. Administrative Body Report
2. Past Due Watermaster Invoice List

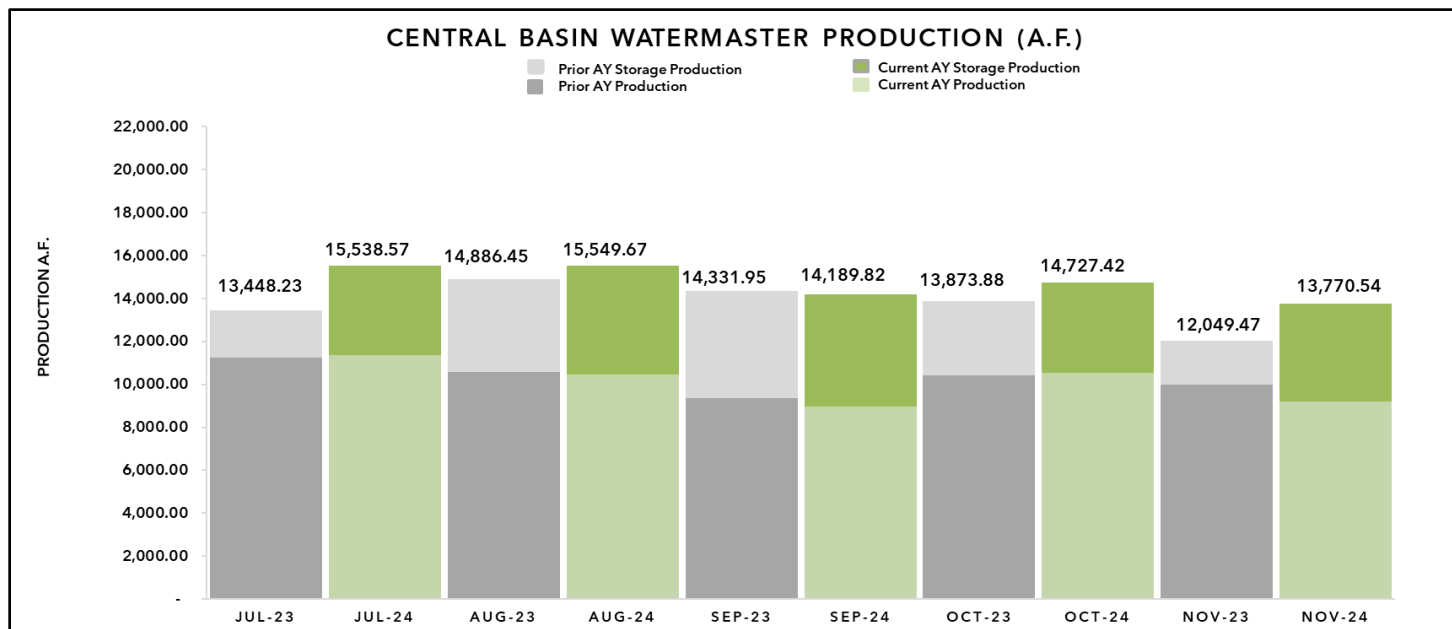
CENTRAL BASIN WATERMASTER ADMINISTRATIVE BODY



Date: January 9, 2025
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) 2024-25 July to November, Central Basin groundwater pumping was 73,776.02 af, which is 7.6% or 5,186.04 af more than the previous AY, this includes 23,226.79 af of storage production (details below). The chart below summarizes and compares AY 2023-24 and AY 2024-25 pumping. The "Central Basin Production Trends" table attached provides pumping by entity.



Water Rights Activity:

As of January 2nd, for AY 2024-25, there have been 26 leases processed transferring 12,940.25 af of rights, of which 20 leases are with flex (retain 60% carryover provision) and 6 leases without flex. A detailed list of leases is included in the "Lease Report" table attached.

There have been three sales permanently transferring 16.15 af of APA and four transactions permanently transferring 68.00 af of one-year carryover.

Storage Activity:

A total of 23,226.79 af has been withdrawn from storage this AY 2024-25. The table on the following page lists the storage production:

Storage Withdrawals 2024-25			
Month	Year	Entity	Storage Draw (af)
July	2024	LADWP	1.87
July	2024	Lakewood	657.39
July	2024	Long Beach	2,778.35
July	2024	South Gate	746.46
August	2024	South Gate	766.52
August	2024	Lakewood	609.42
August	2024	Long Beach	2,697.97
August	2024	Downey	1,000.00
August	2024	LADWP	1.42
September	2024	Lakewood	664.23
September	2024	Downey	1,000.00
September	2024	LADWP	1.44
September	2024	Long Beach	2,841.97
September	2024	South Gate	722.30
October	2024	Long Beach	2,924.93
October	2024	Lakewood	563.79
October	2024	South Gate	691.18
October	2024	LADWP	1.36
November	2024	LADWP	1.14
November	2024	South Gate	647.72
November	2024	Downey	670.00
November	2024	Lakewood	537.88
November	2024	Long Beach	2,699.45
		Total	23,226.79

Watermaster Invoices:

- The Administrative Body issued multiple reimbursements to Panel for the AY 24-25 Panel Assessment and prior AYs. The breakdown is below and there is an attachment with the reimbursements issued within the report:
 AY 2024-2025- \$54,136.90
 AY 2023-2024- \$6.00
 AY 2022-2023- \$4.80
 AY 2021-2022- \$8.00

Other Announcements

- Staff has limited copies of the 2024-2025 Annual Report. If you'd like a copy, please contact staff or you can find also find the electronic version on the WRD website at <https://www.wrd.org/administrative-body>.
- WRD will be hosting its bi-annual Watermaster Workshop. A save the date was sent on December 9th. The event will take place on Thursday, February 6 at WRD headquarters, and it will consist of two sessions, Central Basin (9:30 am) and West Basin (12:30 pm). The workshop will provide an overview of the Judgments, water rights accounting, well status, and much more. More details will be sent in January.

Central Basin Production Trends

Central Basin	July 2023 - November 2023	July 2024 - November 2024	Difference	%Change
ABC USD	8.99	5.40	-3.59	-66.48
American Text. M.	26.11	29.61	3.50	11.82
Artesia, City	1.12	1.05	-.07	-6.67
Atlas Iron and Metal Co.	0.09	0.10	.01	10.00
Bell Gardens, City	0.00	0.00	.00	0.00
Bellflower Home Garden	0.00	0.00	.00	0.00
Bellflower-Somerset MWC	2,093.09	1,746.24	-346.85	-19.86
Boeing Co.	25.93	21.26	-4.67	-21.97
Boeing, Compton Site	17.34	13.40	-3.94	-29.40
Cal. American Water Co. Alpha 0679	815.57	768.22	-47.35	-6.16
Cal. Water Service Co. (East LA)	4,605.35	4,656.00	50.65	1.09
Cal. Water Service Co. Dominguez - CB	458.74	566.25	107.51	18.99
Caltrans	7.80	2.36	-5.44	-230.51
Central Basin MWD	0.00	0.00	.00	0.00
Cerritos, City	3,243.67	3,388.89	145.22	4.29
Coast Packing Co.	56.13	62.28	6.15	9.87
Commerce, City	700.71	716.89	16.18	2.26
Compton, City	2,942.80	2,996.83	54.03	1.80
Darling-Delaware Co.	0.00	0.00	.00	0.00
Defense Logistic Agency	1.01	0.61	-.40	-65.57
Demunno Kerdoon	0.60	0.61	.01	1.64
Downey, City	6,148.50	6,299.25	150.75	2.39
El Rancho Unified School District	0.00	0.00	.00	0.00
Golden State Water Co. - CB	7,715.93	7,736.64	20.71	0.27
HMB Bandini, LLC	0.00	0.11	.11	100.00

Central Basin	July 2023 - November 2023	July 2024 - November 2024	Difference	%Change
Huntington Park, City - Alpha 2378	1,150.69	1,213.52	62.83	5.18
L.A. County Department of Parks	0.00	0.00	.00	0.00
LA County Rancho Los Amigos	95.15	104.18	9.03	8.67
La Habra Heights County WD	1,136.63	1,262.63	126.00	9.98
Lakewood - City	3,079.88	3,032.71	-47.17	-1.56
Liberty Utilities - CB	1,876.05	1,812.47	-63.58	-3.51
Little Lake Cemetery District	0.00	0.00	.00	0.00
Long Beach, City - CB	9,284.49	13,942.67	4658.18	33.41
Los Angeles, City - CB	6.77	7.23	.46	6.36
Lunday-Thagard	0.00	0.00	.00	0.00
Lynwood Park Mutual Water Co.	11.65	15.66	4.01	25.61
Lynwood, City	2,033.64	1,585.04	-448.60	-28.30
Maywood Mutual No. 1	275.71	277.50	1.79	0.65
Maywood Mutual No. 2	395.51	400.36	4.85	1.21
Maywood Mutual No. 3	625.68	618.43	-7.25	-1.17
Montebello Land and Water Co.	1,282.30	1,315.81	33.51	2.55
Newark Group, Inc.	64.79	60.16	-4.63	-7.70
Norwalk, City	149.54	134.56	-14.98	-11.13
Omega OU1/OU3 LLC	1.35	1.82	.47	25.82
Orchard Dale Water District	810.29	872.67	62.38	7.15
PABCO Building Products	0.00	0.00	.00	0.00
Paradise Memorial Park	5.42	5.70	.28	4.91
Paramount USD	0.72	0.16	-.56	-350.00
Paramount, City	1,177.33	1,171.81	-5.52	-0.47
Pico Rivera, City	1,731.27	1,796.90	65.63	3.65
Pico Water District	1,160.58	1,165.27	4.69	0.40
Rockview Dairies	0.00	72.11	72.11	100.00
Roman Catholic Archbishop - CB	147.67	168.87	21.20	12.55

Central Basin	July 2023 - November 2023	July 2024 - November 2024	Difference	%Change
Rowland Water District	0.00	0.00	.00	0.00
San Gabriel Valley Water Co.	1,324.13	1,388.31	64.18	4.62
Santa Fe Springs, City	256.39	809.82	553.43	68.34
Scantlebury, Robert P.	0.12	0.12	.00	0.00
SFPP L.P.	0.00	0.00	.00	0.00
Signal Hill, City	519.52	287.34	-232.18	-80.80
South Gate, City	3,425.05	3,574.18	149.13	4.17
South Montebello Irrigation Dist	721.83	734.03	12.20	1.66
Southern California Edison Co. - CB	0.53	0.00	-.53	-100.00
St. John Bosco School	3.48	4.10	.62	15.12
Suburban Water Systems	572.95	1,177.49	604.54	51.34
Tract 180 Water Co.	529.85	534.75	4.90	0.92
Tract 349 Mutual Water Co.	269.85	278.89	9.04	3.24
Tucker, William M.	0.02	0.00	-.02	-100.00
Vernon, City	2,045.88	1,980.10	-65.78	-3.32
Virginia Country Club	172.35	155.96	-16.39	-10.51
Walnut Park Mutual	457.77	462.05	4.28	0.93
Whittier Union HSD	11.95	10.63	-1.32	-12.42
Whittier, City	2,951.95	2,365.71	-586.24	-24.78
WRD	25.81	24.59	-1.22	-4.96
Yamamoto, Alice	0.00	0.00	.00	0.00

Central Basin: Lease Report

Watermaster Administrative Year 2024-25

Number of Leases: 26 (Flex: 20, No Flex: 6) : Volume: 12,940.25 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	2024-06-25	TO	Cerritos, City of
Baker, Mary	Lease with flex	-28.00	2024-07-16	TO	Montebello Land and Water Company
Bellflower Home Garden Water Company	Lease with flex	-306.00	2024-05-30	TO	Liberty Utilities Corporation
Buell, Mary Dolores	Lease with flex	-1.00	2024-06-27	TO	Cerritos, City of
California Domestic Water Company	Lease with flex	-87.00	2024-07-31	TO	Montebello Land and Water Company
California Water Service Company (Dominguez)	Lease with flex	-1,250.00	2024-06-26	TO	Whittier, City of
California Water Service Company (East LA)	Lease with flex	-1,250.00	2024-06-26	TO	Whittier, City of
Cerritos, City of	Lease	700.00	2024-07-24	FROM	Lakewood, City of Water Department
Cerritos, City of	Lease with flex	4.00	2024-06-20	FROM	Nancy Dee Keane Living Trust
Cerritos, City of	Lease with flex	3.75	2024-06-25	FROM	Corning Trust
Cerritos, City of	Lease with flex	12.00	2024-06-25	FROM	Artesia Cemetery District
Cerritos, City of	Lease with flex	1.00	2024-06-27	FROM	Buell, Mary Dolores
Cerritos, City of	Lease with flex	500.00	2022-03-07	FROM	PABCO Building Products, LLC
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	2024-06-25	TO	Cerritos, City of
Dolan, J.E. P.A.	Lease with flex	-2.00	2024-05-07	TO	Rockview Dairies, Inc.
Downey, City of	Lease	-2,000.00	2023-04-05	TO	Cerritos, City of
Hoke, Barbara	Lease with flex	-1.50	2024-07-16	TO	Montebello Land and Water Company
Lakewood, City of Water Department	Lease	-700.00	2024-07-24	TO	Cerritos, City of
Lakewood, City of Water Department	Lease	-1,500.00	2023-01-12	TO	Compton, City of
Lakewood, City of Water Department	Lease with flex	-2,000.00	2023-07-19	TO	Whittier, City of

Party	Trasaction Type	Amount	Recordation Date		Party
Liberty Utilities Corporation	Lease with flex	306.00	2024-05-30	FROM	Bellflower Home Garden Water Company
Liberty Utilities Corporation	Lease with flex	500.00	2024-01-04	FROM	Pico Rivera, City of
Montebello Land and Water Company	Lease with flex	50.00	2024-07-16	FROM	Whittier Union High School District
Montebello Land and Water Company	Lease with flex	28.00	2024-07-16	FROM	Baker, Mary
Montebello Land and Water Company	Lease with flex	1.50	2024-07-16	FROM	Rosing, Nancy
Montebello Land and Water Company	Lease with flex	1.50	2024-07-16	FROM	Hoke, Barbara
Montebello Land and Water Company	Lease with flex	1.00	2024-07-31	FROM	Rowland Water District
Montebello Land and Water Company	Lease with flex	87.00	2024-07-31	FROM	California Domestic Water Company
Montebello Land and Water Company	Lease with flex	456.00	2024-07-31	FROM	Puente Basin Water Agency
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	2024-06-20	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	-500.00	2023-10-17	TO	South Montebello Irrigation District
Puente Basin Water Agency	Lease with flex	-456.00	2024-07-31	TO	Montebello Land and Water Company
Rockview Dairies, Inc.	Lease with flex	2.00	2024-05-07	FROM	Dolan, J.E. P.A.
Rosing, Nancy	Lease with flex	-1.50	2024-07-16	TO	Montebello Land and Water Company
Rowland Water District	Lease with flex	-1.00	2024-07-31	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	2023-10-17	FROM	Puente Basin Water Agency
Tract 180 Mutual Water Company	Lease with flex	-150.00	2022-05-12	TO	Walnut Park Mutual Water Company
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	2024-07-16	TO	Montebello Land and Water Company
Whittier, City of	Lease with flex	1,250.00	2024-06-26	FROM	California Water Service Company (East LA)
Whittier, City of	Lease with flex	1,250.00	2024-06-26	FROM	California Water Service Company (Dominguez)

Party	Trasaction Type	Amount	Recordation Date		Party
Whittier, City of	Lease with flex	2,000.00	2023-07-19	FROM	Lakewood, City of Water Department

Report Date: January 2, 2025

Central Basin: Sales Report

Watermaster Administrative Year 2024-25

Party	Trasaction Type	Amount	Recordation Date		Party
Dolan, J.E. P.A.	Transfer of NCO	-8.00	2024-08-03	TO	Rockview Dairies, Inc.
EcoGas, Inc.	Transfer of NCO	20.00	2024-12-11	FROM	Hathaway, Loline
EcoGas, Inc.	Transfer of NCO	20.00	2024-12-11	FROM	Hathaway, William A
EcoGas, Inc.	Sale	4.08	2024-12-11	FROM	Hathaway, Loline
EcoGas, Inc.	Sale	4.07	2024-12-17	FROM	Hathaway, William A
EcoGas, Inc.	Sale	-8.00	2024-12-18	TO	Montebello Land and Water Company
Hathaway, Loline	Transfer of NCO	-20.00	2024-12-11	TO	EcoGas, Inc.
Hathaway, Loline	Sale	-4.08	2024-12-11	TO	EcoGas, Inc.
Hathaway, William A	Transfer of NCO	-20.00	2024-12-11	TO	EcoGas, Inc.
Hathaway, William A	Sale	-4.07	2024-12-17	TO	EcoGas, Inc.
Montebello Land and Water Company	Sale	8.00	2024-12-18	FROM	EcoGas, Inc.
Rockview Dairies, Inc.	Transfer of NCO	8.00	2024-08-03	FROM	Dolan, J.E. P.A.
Rockview Dairies, Inc.	Transfer of NCO	20.00	2024-09-24	FROM	Vangrootheest, Ernest A
Vangrootheest, Ernest A	Transfer of NCO	-20.00	2024-09-24	TO	Rockview Dairies, Inc.

Report Date: January 6, 2025

AGENDA ITEM 7

CENTRAL BASIN WATER RIGHTS PANEL AGENDA REPORT

Date: January 9, 2025
To: Central Basin Water Rights Panel
From: James Markman - Richards, Watson, Gershon
Subject: Attorney's Report

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.

Recommendation:

For discussion.

AGENDA ITEM 8

CENTRAL BASIN WATER RIGHTS PANEL AGENDA REPORT

Date: January 9, 2025
To: Central Basin Water Rights Panel
From: Jackie Ramirez – Water Replenishment District

Subject: Secretary's Report

Discussion

The Panel's secretary will provide updates as needed.

Recommendation

For discussion.

AGENDA ITEM 9

CENTRAL BASIN WATER RIGHTS PANEL AGENDA REPORT

Date: January 9, 2025
To: Central Basin Water Rights Panel
From: Jackie Ramirez – Water Replenishment District
Subject: **Water Meter Testing Report**

Discussion:

The meter testing report summary for October 2024 and November 2024 are attached. During this period, 32 meters were tested, and 32 meters were determined to be within the acceptable margin of error.

Attachment(s):

1. Meter testing results for October 2024.
2. Meter testing results for November 2024.

Recommendation:

Receive and File the current meter testing reports.

CALIFORNIA DEPARTMENT OF WATER RESOURCES
Southern Region Office

INVOICE No. 1097

Sold to: Central Basin Water Rights Panel **Date:** 11/8/2024

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
10/12/24 - 10/18/24	5	Meter Tests in Central Basin, October, 2024	\$300.00	\$1,500.00
10/21/24 - 10/25/24	9	Meter Tests in Central Basin, October, 2024	\$300.00	\$2,700.00
10/28/24 - 10/31/24	5	Meter Tests in Central Basin, October, 2024	\$300.00	\$1,500.00
TOTAL AMOUNT DUE				\$5,700.00

<p>Comments: Project: Water Meter Testing Services in the Central Basin DWR Contract #333182</p> <p>Customer No.: 400550</p>
--

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

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 10/14/24 through 10/18/24**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Montebello Land and Water CO	02S12W12E006S/10	Badger	E*	2208-188/51670244	10/15/2024		0.5	Y
Montebello Land and Water CO	02S12W12E005S/9	Water Spec.	M	20111921-10	10/15/2024	0.6		Y
Montebello Land and Water CO	02S12W12E008S/12	Water Spec.	M	20092120-10	10/15/2024	1.6		Y
Montebello Land and Water CO	02S12W12M002S/7	Water Spec.	M	20111463-10	10/15/2024	0.5		Y
Montebello Land and Water CO	02S12W12E007S/8A	Badger	E*	2208-190/51670243	10/15/2024		1.2	Y

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

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Montebello Land and Water Company			Meter Error: 0.5% slow
State Well No.	02S12W12E006S			
Owner No.	10	Type (D/M/E)	E	
Basin	Central	Make	Badger	Pipe In. Dia. (in) 12
Test Date	10/15/2024	Serial No.	2208-188/51670244	Pipe Area (in ²) 113.097
Tested By	DH	No. of Dials		
Recorded By	DH	Fixed Zeroes		
		Multi.	1	New meter? X
Last Test Date	9/3/2021	Units (gal/af/cf)	cf	Pipe ID'd? X

1st Reading	17412190		Mano. Diff.	Qp = 113.10 x 7.26 = 821.1 gpm
2nd Reading	17412446	1	7.0	Qm = 7.48 x $\frac{256}{2.303}$ = 831.4 gpm
Difference	256	2	7.0	% diff. = 100 x $\frac{-10.27}{821.09}$ = 1.25% fast
Elapsed Time	2 m 18.20 s	3	7.0	VOID? <input type="checkbox"/>
Total Minutes	2.303	4	6.5	<u>Notes</u>
		5	7.3	
		6	7.5	
		7	8.0	
		8	7.0	
		9	7.3	
		10	8.0	
		Avg	7.26	

1st Reading	17412446		Mano. Diff.	Qp = 113.10 x 8.87 = 1003.2 gpm
2nd Reading	17412903	1	9.0	Qm = 7.48 x $\frac{457}{3.570}$ = 957.4 gpm
Difference	457	2	8.6	% diff. = 100 x $\frac{45.74}{1003.17}$ = 4.56% slow
Elapsed Time	3 m 34.22 s	3	7.5	VOID? <input type="checkbox"/>
Total Minutes	3.570	4	8.9	<u>Notes</u>
		5	9.2	
		6	9.4	
		7	9.0	
		8	9.2	
		9	9.0	
		10	8.9	
		Avg	8.87	

1st Reading	17412903		Mano. Diff.	Qp = 113.10 x 7.19 = 813.2 gpm
2nd Reading	17413110	1	7.5	Qm = 7.48 x $\frac{207}{1.871}$ = 827.8 gpm
Difference	207	2	7.1	% diff. = 100 x $\frac{-14.61}{813.17}$ = 1.80% fast
Elapsed Time	1 m 52.23 s	3	7.3	VOID? <input type="checkbox"/>
Total Minutes	1.871	4	7.1	<u>Notes</u>
		5	7.1	
		6	7.0	
		7	7.0	
		8	6.5	
		9	7.3	
		10	8.0	
		Avg	7.19	

Notes

Well has not been tested by DWR since 2021.

WATER METER TEST

Owner	Montebello Land & Water Company	Meter Error: 0.6% fast	
State Well No.	02S12W12E005S	Type (D/M/E)	M
Owner No.	9	Make	Water Spec.
Basin	Central	Serial No.	20111921-10
Test Date	10/15/2024	No. of Dials	100
Tested By	DH	Fixed Zeroes	
Recorded By	DH	Multi.	100
Last Test Date	10/23/2023	Units (gal/af/cf)	cf
		Pipe In. Dia. (in)	10
		Pipe Area (in ²)	78.540
		New meter?	
		Pipe ID'd?	

1st Reading	123798		Mano. Diff.	Qp = 78.54 x 11.32 = 889.1 gpm
2nd Reading	123800	1	11.5	Qm = 7.48 x $\frac{200}{1.673}$ = 894.1 gpm
Difference	2	2	11.4	% diff. = 100 x $\frac{-5.04}{889.07}$ = 0.57% fast
Elapsed Time	1 m 40.39 s	3	11.4	VOID? <input type="checkbox"/>
Total Minutes	1.673	4	11.2	<u>Notes</u>
		5	11.3	
		6	11.2	
		7	11.1	
		8	11.2	
		9	11.3	
		10	11.6	
		Avg	11.32	

1st Reading	123800		Mano. Diff.	Qp = 78.54 x 11.49 = 902.4 gpm
2nd Reading	123803	1	11.7	Qm = 7.48 x $\frac{300}{2.480}$ = 904.9 gpm
Difference	3	2	11.6	% diff. = 100 x $\frac{-2.48}{902.42}$ = 0.27% fast
Elapsed Time	2 m 28.79 s	3	11.5	VOID? <input type="checkbox"/>
Total Minutes	2.480	4	11.3	<u>Notes</u>
		5	11.5	
		6	11.4	
		7	11.5	
		8	11.3	
		9	11.5	
		10	11.6	
		Avg	11.49	

1st Reading	123803		Mano. Diff.	Qp = 78.54 x 11.18 = 878.1 gpm
2nd Reading	123805	1	11.4	Qm = 7.48 x $\frac{200}{1.686}$ = 887.6 gpm
Difference	2	2	11.3	% diff. = 100 x $\frac{-9.50}{878.08}$ = 1.08% fast
Elapsed Time	1 m 41.13 s	3	11.6	VOID? <input type="checkbox"/>
Total Minutes	1.686	4	11.2	<u>Notes</u>
		5	11.0	
		6	11.2	
		7	11.0	
		8	11.0	
		9	11.0	
		10	11.1	
		Avg	11.18	

Notes

WATER METER TEST

Owner	Montebello Land & Water Company	Meter Error: 1.6% fast	
State Well No.	02S12W12E008S	Type (D/M/E)	M
Owner No.	12	Make	Water Spec.
Basin	Central	Serial No.	20092120-10
Test Date	10/15/2024	No. of Dials	6
Tested By	DH	Fixed Zeroes	
Recorded By	DH	Multi.	100
Last Test Date	10/23/2023	Units (gal/af/cf)	cf
		Pipe In. Dia. (in)	10
		Pipe Area (in ²)	78.540
		New meter?	
		Pipe ID'd?	

1st Reading	125195.5		Mano. Diff.	Qp = 78.54 x 10.64 = 835.7 gpm
2nd Reading	125202	1	11.5	Qm = 7.48 x $\frac{650}{6.036}$ = 805.6 gpm
Difference	6.5	2	10.0	% diff. = 100 x $\frac{30.10}{835.66}$ = 3.60% slow
Elapsed Time	6 m 2.13 s	3	11.0	VOID? <input type="checkbox"/>
Total Minutes	6.036	4	11.1	<u>Notes</u>
		5	10.8	
		6	10.5	
		7	10.5	
		8	11.0	
		9	10.0	
		10	10.0	
		Avg	10.64	

1st Reading	125188		Mano. Diff.	Qp = 78.54 x 11.35 = 891.4 gpm
2nd Reading	125191	1	11.0	Qm = 7.48 x $\frac{300}{2.415}$ = 929.3 gpm
Difference	3	2	11.5	% diff. = 100 x $\frac{-37.89}{891.43}$ = 4.25% fast
Elapsed Time	2 m 24.88 s	3	11.0	VOID? <input type="checkbox"/>
Total Minutes	2.415	4	11.0	<u>Notes</u>
		5	11.5	
		6	11.5	
		7	11.1	
		8	11.6	
		9	11.6	
		10	11.7	
		Avg	11.35	

1st Reading	125180		Mano. Diff.	Qp = 78.54 x 9.70 = 761.8 gpm
2nd Reading	125183	1	10.7	Qm = 7.48 x $\frac{300}{2.826}$ = 794.1 gpm
Difference	3	2	10.3	% diff. = 100 x $\frac{-32.22}{761.84}$ = 4.23% fast
Elapsed Time	2 m 49.56 s	3	10.0	VOID? <input type="checkbox"/>
Total Minutes	2.826	4	9.8	<u>Notes</u>
		5	9.8	
		6	9.8	
		7	9.6	
		8	9.5	
		9	9.0	
		10	8.5	
		Avg	9.70	

Notes

WATER METER TEST

Owner	Montebello Land & Water Company	Meter Error: 0.5% fast	
State Well No.	02S12W12M002S	Type (D/M/E)	M
Owner No.	7	Make	Water Spec.
Basin	Central	Serial No.	20111463-10
Test Date	10/15/2024	No. of Dials	6
Tested By	DH	Fixed Zeroes	
Recorded By	DH	Multi.	100
Last Test Date	10/23/2023	Units (gal/af/cf)	cf
		Pipe In. Dia. (in)	12
		Pipe Area (in ²)	113.097
		New meter?	
		Pipe ID'd?	X

1st Reading	163323	Mano. Diff.	Qp = 113.10 x 6.20 = 701.2 gpm
2nd Reading	163324	1	6.2
Difference	1	2	6.9
Elapsed Time	1 m 3.46 s	3	6.4
Total Minutes	1.058	4	6.4
		5	6.0
		6	6.0
		7	6.0
		8	6.1
		9	6.0
		10	6.0
		Avg	6.20
			Qm = 7.48 x $\frac{100}{1.058}$ = 707.2 gpm
			% diff. = 100 x $\frac{-6.01}{701.20}$ = 0.86% fast
			VOID? <input type="checkbox"/>
			<u>Notes</u>

1st Reading	163324	Mano. Diff.	Qp = 113.10 x 6.15 = 695.5 gpm
2nd Reading	163325	1	6.3
Difference	1	2	6.3
Elapsed Time	1 m 3.48 s	3	6.2
Total Minutes	1.058	4	6.2
		5	6.2
		6	6.0
		7	6.1
		8	6.0
		9	6.1
		10	6.1
		Avg	6.15
			Qm = 7.48 x $\frac{100}{1.058}$ = 707.0 gpm
			% diff. = 100 x $\frac{-11.45}{695.55}$ = 1.65% fast
			VOID? <input type="checkbox"/>
			<u>Notes</u>

1st Reading	163329	Mano. Diff.	Qp = 113.10 x 7.41 = 838.1 gpm
2nd Reading	163330	1	7.5
Difference	1	2	7.5
Elapsed Time	0 m 54.08 s	3	7.5
Total Minutes	0.901	4	7.5
		5	7.4
		6	7.3
		7	7.5
		8	7.2
		9	7.3
		10	7.4
		Avg	7.41
			Qm = 7.48 x $\frac{100}{0.901}$ = 829.9 gpm
			% diff. = 100 x $\frac{8.17}{838.05}$ = 0.97% slow
			VOID? <input type="checkbox"/>
			<u>Notes</u>

Notes

WATER METER TEST

Owner	Montebello Land & Water Company	Meter Error: 1.2% 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	10/15/2024	Serial No.	208-190/5167024
Tested By	DH	Pipe Area (in ²)	99.402
Recorded By	DH	No. of Dials	
		Fixed Zeroes	
		Multi.	1
		New meter?	X
Last Test Date	10/24/2023	Units (gal/af/cf)	cf
		Pipe ID'd?	X

1st Reading	38193143	Mano. Diff.								
2nd Reading	38193371	1	9.5	Qp =	99.40	x	9.13	=	907.5	gpm
Difference	228	2	10.0	Qm =	7.48	x	$\frac{228}{1.953}$	=	873.5	gpm
Elapsed Time	1 m 57.15 s	3	9.6	% diff. = 100	x	$\frac{34.08}{907.54}$	=	3.75%	slow	
Total Minutes	1.953	4	9.7							
		5	9.5							
		6	9.0							
		7	8.5							
		8	9.0							
		9	8.0							
		10	8.5							
		Avg	9.13							

VOID?

Notes

1st Reading	38193371	Mano. Diff.								
2nd Reading	38193701	1	9.5	Qp =	99.40	x	9.36	=	930.4	gpm
Difference	330	2	9.0	Qm =	7.48	x	$\frac{330}{2.655}$	=	929.9	gpm
Elapsed Time	2 m 39.27 s	3	9.6	% diff. = 100	x	$\frac{0.51}{930.40}$	=	0.05%	slow	
Total Minutes	2.655	4	9.5							
		5	9.5							
		6	9.5							
		7	9.1							
		8	9.3							
		9	9.2							
		10	9.4							
		Avg	9.36							

VOID?

Notes

1st Reading	38193701	Mano. Diff.								
2nd Reading	38194067	1	9.0	Qp =	99.40	x	9.34	=	928.4	gpm
Difference	366	2	9.2	Qm =	7.48	x	$\frac{366}{2.938}$	=	931.7	gpm
Elapsed Time	2 m 56.30 s	3	9.0	% diff. = 100	x	$\frac{-3.30}{928.41}$	=	0.36%	fast	
Total Minutes	2.938	4	9.4							
		5	9.2							
		6	9.7							
		7	9.5							
		8	9.5							
		9	9.3							
		10	9.6							
		Avg	9.34							

VOID?

Notes

Notes

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 10/21/24 through 10/25/24**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Downey, City of	03S12W10N003S/30	McCrometer	E*	E22-03954	10/22/2024		0.6	Y
Downey, City of	03S12W11E001S/24	McCrometer	E*	UP23-0812	10/22/2024	2.8		Y
Downey, City of	03S12W09G001S/29	Water Spec.	D	20101882-10	10/22/2024	3.1		Y
Downey, City of	03S12W09B001S/25	Water Spec.	D	20041900-10	10/22/2024		0.4	Y
Downey, City of	03S12W04Q002S/23	Water Spec.	D	20101881-10	10/22/2024	1.2		Y
Downey, City of	03S12W33M001S/17	Water Spec.	D	20041898-08	10/24/2024	2.2		Y
Downey, City of	02S12W28Q001S/8	Water Spec.	D	20100271-10	10/24/2024		1.8	Y
Downey, City of	02S12W28J006S/7	Water Spec.	D	20081111-10	10/24/2024	2.6		Y
Downey, City of	02S12W34P001S/14	Water Spec.	D	20080628-10	10/24/2024	0.5		Y

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

Acceptable: Y= Yes, N= No

WATER METER TEST

Owner	Downey, City of			Meter Error: 0.6% slow
State Well No.	03S12W10N003S			
Owner No.	30	Type (D/M/E)	E	
Basin	Central	Make	McCrometer	Pipe In. Dia. (in) 9 7/8
Test Date	10/22/2024	Serial No.	E22-03954	Pipe Area (in ²) 76.589
Tested By	AC	No. of Dials	5	
Recorded By	AC	Fixed Zeroes		
		Multi.	1000	New meter? X
Last Test Date	11/7/2023	Units (gal/af/cf)	gal	Pipe ID'd? X

1st Reading	210306		Mano. Diff.	Qp = 76.59 x 9.59 = 734.5 gpm
2nd Reading	210309	1	9.7	Qm = 1 x $\frac{3000}{4.121}$ = 728.0 gpm
Difference	3	2	9.6	% diff. = 100 x $\frac{6.51}{734.48}$ = 0.89% slow
Elapsed Time	4 m 7.26 s	3	9.6	VOID? <input type="checkbox"/>
Total Minutes	4.121	4	9.7	<u>Notes</u>
		5	9.5	
		6	9.6	
		7	9.5	
		8	9.5	
		9	9.6	
		10	9.6	
		Avg	9.59	

1st Reading	210309		Mano. Diff.	Qp = 76.59 x 10.01 = 766.7 gpm
2nd Reading	210313	1	10.0	Qm = 1 x $\frac{4000}{5.234}$ = 764.2 gpm
Difference	4	2	10.0	% diff. = 100 x $\frac{2.47}{766.65}$ = 0.32% slow
Elapsed Time	5 m 14.06 s	3	9.9	VOID? <input type="checkbox"/>
Total Minutes	5.234	4	10.1	<u>Notes</u>
		5	10.1	
		6	10.0	
		7	10.0	
		8	10.0	
		9	9.8	
		10	10.2	
		Avg	10.01	

1st Reading	210313		Mano. Diff.	Qp = 76.59 x 10.07 = 771.2 gpm
2nd Reading	210315	1	10.0	Qm = 1 x $\frac{2000}{2.605}$ = 767.8 gpm
Difference	2	2	10.1	% diff. = 100 x $\frac{3.49}{771.25}$ = 0.45% slow
Elapsed Time	2 m 36.30 s	3	10.1	VOID? <input type="checkbox"/>
Total Minutes	2.605	4	10.0	<u>Notes</u>
		5	10.1	
		6	10.2	
		7	10.1	
		8	10.0	
		9	10.1	
		10	10.0	
		Avg	10.07	

Notes

WATER METER TEST

Owner	Downey, City of			Meter Error: 2.8% fast
State Well No.	03S12W11E001S			
Owner No.	24	Type (D/M/E)	E	
Basin	Central	Make	McCrometer	Pipe In. Dia. (in) 10 1/8
Test Date	10/22/2024	Serial No.	UP23-0812	Pipe Area (in ²) 80.516
Tested By	AC	No. of Dials		
Recorded By	AC	Fixed Zeroes		
		Multi.	1000	New meter? X
Last Test Date	1/16/2019	Units (gal/af/cf)	gal	Pipe ID'd? X

1st Reading	144617		Mano. Diff.	Qp = 80.52 x 2.90 = 233.5 gpm
2nd Reading	144618	1	3.5	Qm = 1 x $\frac{1000}{4.173}$ = 239.7 gpm
Difference	1	2	4.0	% diff. = 100 x $\frac{-6.17}{233.50}$ = 2.64% fast
Elapsed Time	4 m 10.35 s	3	3.0	VOID? <input type="checkbox"/>
Total Minutes	4.173	4	3.0	<u>Notes</u>
		5	2.5	
		6	2.0	
		7	2.5	
		8	2.5	
		9	2.5	
		10	3.5	
		Avg	2.90	

1st Reading	144618		Mano. Diff.	Qp = 80.52 x 4.20 = 338.2 gpm
2nd Reading	144620	1	4.0	Qm = 1 x $\frac{2000}{5.650}$ = 354.0 gpm
Difference	2	2	4.0	% diff. = 100 x $\frac{-15.83}{338.17}$ = 4.68% fast
Elapsed Time	5 m 38.99 s	3	3.5	VOID? <input type="checkbox"/>
Total Minutes	5.650	4	4.5	<u>Notes</u>
		5	4.0	
		6	4.0	
		7	4.5	
		8	4.0	
		9	4.5	
		10	5.0	
		Avg	4.20	

1st Reading	20		Mano. Diff.	Qp = 80.52 x 2.95 = 237.5 gpm
2nd Reading	21	1	3.0	Qm = 1 x $\frac{1000}{4.161}$ = 240.3 gpm
Difference	1	2	3.0	% diff. = 100 x $\frac{-2.79}{237.52}$ = 1.17% fast
Elapsed Time	4 m 9.68 s	3	3.0	VOID? <input type="checkbox"/>
Total Minutes	4.161	4	2.0	<u>Notes</u>
		5	3.0	
		6	3.0	
		7	2.0	
		8	3.0	
		9	3.5	
		10	4.0	
		Avg	2.95	

Notes

Well has not been tested by DWR since 2019.

WATER METER TEST

Owner	Downey, City of					Meter Error: 3.1% fast
State Well No.	03S12W09G001S					
Owner No.	29	Type (D/M/E)	D			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	10 1/4	
Test Date	10/22/2024	Serial No.	20101882-10	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	11/12/2023	Units (gal/af/cf)	gal	Pipe ID'd?	X	

1st Reading	883939		Mano. Diff.			Qp = 82.52 x 11.24 = 927.5 gpm
2nd Reading	883942	1	11.4			Qm = 1 x $\frac{3000}{3.142}$ = 954.9 gpm
Difference	3	2	11.3			% diff. = 100 x $\frac{-27.43}{927.48}$ = 2.96% fast
Elapsed Time	3 m 8.50 s	3	11.4			VOID? <input type="checkbox"/>
Total Minutes	3.142	4	11.2			<u>Notes</u>
		5	11.0			
		6	11.1			
		7	11.2			
		8	11.5			
		9	11.2			
		10	11.1			
		Avg	11.24			

1st Reading	883942		Mano. Diff.			Qp = 82.52 x 11.40 = 940.7 gpm
2nd Reading	883949	1	11.7			Qm = 1 x $\frac{7000}{7.179}$ = 975.1 gpm
Difference	7	2	11.5			% diff. = 100 x $\frac{-34.43}{940.68}$ = 3.66% fast
Elapsed Time	7 m 10.72 s	3	11.3			VOID? <input type="checkbox"/>
Total Minutes	7.179	4	11.5			<u>Notes</u>
		5	11.3			
		6	11.4			
		7	11.3			
		8	11.2			
		9	11.4			
		10	11.4			
		Avg	11.40			

1st Reading	883949		Mano. Diff.			Qp = 82.52 x 11.28 = 930.8 gpm
2nd Reading	883952	1	11.2			Qm = 1 x $\frac{3000}{3.137}$ = 956.3 gpm
Difference	3	2	11.1			% diff. = 100 x $\frac{-25.55}{930.78}$ = 2.74% fast
Elapsed Time	3 m 8.22 s	3	11.3			VOID? <input type="checkbox"/>
Total Minutes	3.137	4	11.4			<u>Notes</u>
		5	11.3			
		6	11.3			
		7	11.5			
		8	11.2			
		9	11.3			
		10	11.2			
		Avg	11.28			

Notes

WATER METER TEST

Owner	Downey, City of				Meter Error: 0.4% slow
State Well No.	03S12W09B001S				
Owner No.	25	Type (D/M/E)	D		
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	10 3/8
Test Date	10/22/2024	Serial No.	20041900-10	Pipe Area (in ²)	84.541
Tested By	AC	No. of Dials	6		
Recorded By	AC	Fixed Zeroes			
		Multi.	1000	New meter?	
Last Test Date	12/7/2023	Units (gal/af/cf)	gal	Pipe ID'd?	X

1st Reading	105308		Mano. Diff.		Qp = 84.54 x 6.90 = 583.3 gpm
2nd Reading	105314	1	7.0		Qm = 1 x $\frac{6000}{10.378}$ = 578.2 gpm
Difference	6	2	6.5		% diff. = 100 x $\frac{5.17}{583.33}$ = 0.89% slow
Elapsed Time	10 m 22.66 s	3	7.0		VOID? <input type="checkbox"/>
Total Minutes	10.378	4	7.0		<u>Notes</u>
		5	7.0		
		6	6.5		
		7	7.0		
		8	7.0		
		9	7.0		
		10	7.0		
		Avg	6.90		

1st Reading	105301		Mano. Diff.		Qp = 84.54 x 5.45 = 460.7 gpm
2nd Reading	105304	1	5.5		Qm = 1 x $\frac{3000}{6.504}$ = 461.2 gpm
Difference	3	2	5.5		% diff. = 100 x $\frac{-0.50}{460.75}$ = 0.11% fast
Elapsed Time	6 m 30.25 s	3	5.5		VOID? <input type="checkbox"/>
Total Minutes	6.504	4	6.0		<u>Notes</u>
		5	6.0		
		6	5.5		
		7	6.0		
		8	5.5		
		9	5.0		
		10	4.0		
		Avg	5.45		

1st Reading	105314		Mano. Diff.		Qp = 84.54 x 6.00 = 507.2 gpm
2nd Reading	105315	1	6.0		Qm = 1 x $\frac{1000}{1.981}$ = 504.7 gpm
Difference	1	2	6.0		% diff. = 100 x $\frac{2.53}{507.24}$ = 0.50% slow
Elapsed Time	1 m 58.88 s	3	5.5		VOID? <input type="checkbox"/>
Total Minutes	1.981	4	5.5		<u>Notes</u>
		5	5.5		
		6	6.0		
		7	6.0		
		8	6.0		
		9	6.0		
		10	7.5		
		Avg	6.00		

Notes

WATER METER TEST

Owner	Downey, City of					Meter Error: 1.2% 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	10/22/2024	Serial No.	20101881-10	Pipe Area (in ²)	82.516	
Tested By	AC	No. of Dials				
Recorded By	AC	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	11/7/2023	Units (gal/af/cf)	gal	Pipe ID'd?		

1st Reading	2206867		Mano. Diff.			$Q_p = 82.52 \times 12.41 = 1024.0 \text{ gpm}$
2nd Reading	2206868	1	12.3			$Q_m = 1 \times \frac{1000}{0.967} = 1034.5 \text{ gpm}$
Difference	1	2	12.3			$\% \text{ diff.} = 100 \times \frac{-10.46}{1024.02} = 1.02\% \text{ fast}$
Elapsed Time	0 m 58.00 s	3	12.2			VOID? <input type="checkbox"/>
Total Minutes	0.967	4	12.0			<u>Notes</u>
		5	12.5			
		6	12.6			
		7	12.6			
		8	12.5			
		9	12.6			
		10	12.5			
		Avg	12.41			

1st Reading	2206870		Mano. Diff.			$Q_p = 82.52 \times 12.44 = 1026.5 \text{ gpm}$
2nd Reading	2206871	1	12.4			$Q_m = 1 \times \frac{1000}{0.963} = 1039.0 \text{ gpm}$
Difference	1	2	12.5			$\% \text{ diff.} = 100 \times \frac{-12.46}{1026.50} = 1.21\% \text{ fast}$
Elapsed Time	0 m 57.75 s	3	12.4			VOID? <input type="checkbox"/>
Total Minutes	0.963	4	12.4			<u>Notes</u>
		5	12.3			
		6	12.5			
		7	12.5			
		8	12.5			
		9	12.4			
		10	12.5			
		Avg	12.44			

1st Reading	2206871		Mano. Diff.			$Q_p = 82.52 \times 12.50 = 1031.4 \text{ gpm}$
2nd Reading	2206872	1	12.5			$Q_m = 1 \times \frac{1000}{0.956} = 1045.7 \text{ gpm}$
Difference	1	2	12.6			$\% \text{ diff.} = 100 \times \frac{-14.21}{1031.45} = 1.38\% \text{ fast}$
Elapsed Time	0 m 57.38 s	3	12.6			VOID? <input type="checkbox"/>
Total Minutes	0.956	4	12.5			<u>Notes</u>
		5	12.5			
		6	12.5			
		7	12.3			
		8	12.6			
		9	12.5			
		10	12.4			
		Avg	12.50			

Notes

WATER METER TEST

Owner	Downey, City of					Meter Error: 2.2% fast
State Well No.	03S12W33M001S					
Owner No.	17	Type (D/M/E)	D			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	8 1/8	
Test Date	10/24/2024	Serial No.	20041898-08	Pipe Area (in ²)	51.849	
Tested By	AC	No. of Dials	6			
Recorded By	AC	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	11/8/2023	Units (gal/af/cf)	gal	Pipe ID'd?	X	

1st Reading	2079342		Mano. Diff.			Qp = 51.85 x 17.67 = 916.2 gpm
2nd Reading	2079344	1	17.6			Qm = 1 x $\frac{2000}{2.179}$ = 918.0 gpm
Difference	2	2	17.8			% diff. = 100 x $\frac{-1.83}{916.16}$ = 0.20% fast
Elapsed Time	2 m 10.72 s	3	17.6			VOID? <input type="checkbox"/>
Total Minutes	2.179	4	17.6			<u>Notes</u>
		5	17.6			
		6	17.7			
		7	17.8			
		8	17.6			
		9	17.5			
		10	17.9			
		Avg	17.67			

1st Reading	2079350		Mano. Diff.			Qp = 51.85 x 17.61 = 913.1 gpm
2nd Reading	2079360	1	17.8			Qm = 1 x $\frac{10000}{10.474}$ = 954.8 gpm
Difference	10	2	17.6			% diff. = 100 x $\frac{-41.71}{913.05}$ = 4.57% fast
Elapsed Time	10 m 28.43 s	3	17.7			VOID? <input type="checkbox"/>
Total Minutes	10.474	4	17.8			<u>Notes</u>
		5	17.8			
		6	17.6			
		7	17.4			
		8	17.6			
		9	17.3			
		10	17.5			
		Avg	17.61			

1st Reading	2079360		Mano. Diff.			Qp = 51.85 x 17.48 = 906.3 gpm
2nd Reading	2079366	1	17.4			Qm = 1 x $\frac{6000}{6.493}$ = 924.1 gpm
Difference	6	2	17.3			% diff. = 100 x $\frac{-17.76}{906.31}$ = 1.96% fast
Elapsed Time	6 m 29.58 s	3	17.4			VOID? <input type="checkbox"/>
Total Minutes	6.493	4	17.5			<u>Notes</u>
		5	17.4			
		6	17.4			
		7	17.7			
		8	17.4			
		9	17.8			
		10	17.5			
		Avg	17.48			

Notes

WATERMASTER SERVICE WATER METER TEST

Owner	Downey, City of			Meter Error 1.8% slow
State Well No.	02S12W28Q001S			
Owner No.	8	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 8 3/8
Test Date	10/24/2024	Serial No.	20100271-10	Pipe Area (in ²) 55.088
Tested By	AC	No. of Dials	7	
Recorded By	AC	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	11/8/2023	Units (gal/af/cf)	gal	Pipe ID'd? X

1st Reading	3499808		Mano. Diff.	Qp = 55.09 x 18.78 = 1034.6 gpm
2nd Reading	3499809	1	18.7	Qm = 1 x $\frac{1000}{0.999}$ = 1001.5 gpm
Difference	1	2	18.9	% diff. = 100 x $\frac{33.06}{1034.56}$ = 3.20% slow
Elapsed Time	0 m 59.91 s	3	18.9	VOID? <input type="checkbox"/>
Total Minutes	0.999	4	19.0	<u>Notes</u>
		5	18.8	
		6	18.7	
		7	18.7	
		8	18.7	
		9	18.7	
		10	18.7	
		Avg	18.78	

1st Reading	3499823		Mano. Diff.	Qp = 55.09 x 18.21 = 1003.2 gpm
2nd Reading	3499825	1	18.2	Qm = 1 x $\frac{2000}{2.000}$ = 1000.2 gpm
Difference	2	2	18.2	% diff. = 100 x $\frac{2.99}{1003.16}$ = 0.30% slow
Elapsed Time	1 m 59.98 s	3	18.4	VOID? <input type="checkbox"/>
Total Minutes	2.000	4	18.2	<u>Notes</u>
		5	18.3	
		6	18.0	
		7	18.2	
		8	18.2	
		9	18.2	
		10	18.2	
		Avg	18.21	

1st Reading	3499825		Mano. Diff.	Qp = 55.09 x 18.20 = 1002.6 gpm
2nd Reading	3499830	1	18.8	Qm = 1 x $\frac{5000}{5.081}$ = 984.0 gpm
Difference	5	2	18.0	% diff. = 100 x $\frac{18.58}{1002.61}$ = 1.85% slow
Elapsed Time	5 m 4.87 s	3	18.2	VOID? <input type="checkbox"/>
Total Minutes	5.081	4	18.0	<u>Notes</u>
		5	18.1	
		6	18.6	
		7	18.0	
		8	18.1	
		9	18.2	
		10	18.0	
		Avg	18.20	

Notes

WATERMASTER SERVICE WATER METER TEST

Owner	Downey, City of			Meter Error 2.6% fast
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	10/24/2024	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	11/8/2023	Units (gal/af/cf)	gal	Pipe ID'd? X

1st Reading	1131993		Mano. Diff.	Qp = 80.52 x 9.10 = 732.7 gpm
2nd Reading	1132002	1	9.0	Qm = 1 x $\frac{9000}{12.014}$ = 749.2 gpm
Difference	9	2	9.2	% diff. = 100 x $\frac{-16.47}{732.69}$ = 2.25% fast
Elapsed Time	12 m 0.81 s	3	9.1	VOID? <input type="checkbox"/>
Total Minutes	12.014	4	9.4	<u>Notes</u>
		5	9.0	
		6	9.1	
		7	8.9	
		8	9.1	
		9	9.3	
		10	8.9	
		Avg	9.10	

1st Reading	1132002		Mano. Diff.	Qp = 80.52 x 9.40 = 756.8 gpm
2nd Reading	1132005	1	9.3	Qm = 1 x $\frac{3000}{3.853}$ = 778.7 gpm
Difference	3	2	9.5	% diff. = 100 x $\frac{-21.83}{756.85}$ = 2.88% fast
Elapsed Time	3 m 51.16 s	3	9.3	VOID? <input type="checkbox"/>
Total Minutes	3.853	4	9.1	<u>Notes</u>
		5	9.4	
		6	9.5	
		7	9.9	
		8	9.4	
		9	9.2	
		10	9.4	
		Avg	9.40	

1st Reading	1132005		Mano. Diff.	Qp = 80.52 x 9.23 = 743.2 gpm
2nd Reading	1132015	1	9.0	Qm = 1 x $\frac{10000}{13.105}$ = 763.1 gpm
Difference	10	2	9.4	% diff. = 100 x $\frac{-19.93}{743.16}$ = 2.68% fast
Elapsed Time	13 m 6.28 s	3	9.3	VOID? <input type="checkbox"/>
Total Minutes	13.105	4	9.2	<u>Notes</u>
		5	9.4	
		6	9.4	
		7	9.3	
		8	9.2	
		9	9.0	
		10	9.1	
		Avg	9.23	

Notes

WATER METER TEST

Owner	Downey, City of					Meter Error: 0.5% fast
State Well No.	02S12W34P001S					
Owner No.	14	Type (D/M/E)	D			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	9 1/8	
Test Date	10/24/2024	Serial No.	20080628-10	Pipe Area (in ²)	65.397	
Tested By	DH	No. of Dials	7			
Recorded By	AC	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	11/8/2023	Units (gal/af/cf)	gal	Pipe ID'd?	X	

1st Reading	409365		Mano. Diff.			Qp = 65.40 x 11.09 = 725.2 gpm
2nd Reading	409366	1	11.0			Qm = 1 x $\frac{1000}{1.361}$ = 734.9 gpm
Difference	1	2	11.1			% diff. = 100 x $\frac{-9.68}{725.25}$ = 1.34% fast
Elapsed Time	1 m 21.64 s	3	11.0			VOID? <input type="checkbox"/>
Total Minutes	1.361	4	11.2			<u>Notes</u>
		5	11.1			
		6	11.1			
		7	11.0			
		8	11.1			
		9	11.1			
		10	11.2			
		Avg	11.09			

1st Reading	409366		Mano. Diff.			Qp = 65.40 x 11.45 = 748.8 gpm
2nd Reading	409367	1	11.3			Qm = 1 x $\frac{1000}{1.367}$ = 731.6 gpm
Difference	1	2	11.4			% diff. = 100 x $\frac{17.17}{748.79}$ = 2.29% slow
Elapsed Time	1 m 22.01 s	3	11.5			VOID? <input type="checkbox"/>
Total Minutes	1.367	4	11.5			<u>Notes</u>
		5	11.6			
		6	11.4			
		7	11.3			
		8	11.5			
		9	11.5			
		10	11.5			
		Avg	11.45			

1st Reading	409367		Mano. Diff.			Qp = 65.40 x 11.80 = 771.7 gpm
2nd Reading	409368	1	12.0			Qm = 1 x $\frac{1000}{1.265}$ = 790.8 gpm
Difference	1	2	11.9			% diff. = 100 x $\frac{-19.15}{771.68}$ = 2.48% fast
Elapsed Time	1 m 15.87 s	3	11.9			VOID? <input type="checkbox"/>
Total Minutes	1.265	4	11.8			<u>Notes</u>
		5	11.7			
		6	11.8			
		7	11.6			
		8	11.5			
		9	11.8			
		10	12.0			
		Avg	11.80			

Notes

Well has not been tested by DWR since 2020.

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 10/28/24 through 10/31/24**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Downey, City of	03S12W04D002S/18	Water Spec.	D	20080382-10	10/29/2024	1.3		Y
Downey, City of	02S12W35D004S/5	Water Spec.	D	991458-08	10/29/2024		1.6	Y
Downey, City of	03S12W02H004S/12	Water Spec.	D	20100272-12	10/29/2024	1.5		Y
Downey, City of	03S12W02L001S/15	Water Spec.	D	20062560-10	10/29/2024		0.3	Y
Downey, City of	03S12W03F001S/11	Water Spec.	D	20080381-16	10/29/2024		1.5	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: 1.3% fast
State Well No.	03S12W04D002S			
Owner No.	18	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 11
Test Date	10/29/2024	Serial No.	20080382-10	Pipe Area (in ²) 95.033
Tested By	BZ	No. of Dials		
Recorded By	BZ	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	11/7/2023	Units (gal/af/cf)	gal	Pipe ID'd? X

1st Reading	2351833		Mano. Diff.	Qp = 95.03 x 7.89 = 749.8 gpm
2nd Reading	2351835	1	8.0	Qm = 1 x $\frac{2000}{2.635}$ = 759.1 gpm
Difference	2	2	8.0	% diff. = 100 x $\frac{-9.25}{749.81}$ = 1.23% fast
Elapsed Time	2 m 38.09 s	3	8.0	VOID? <input type="checkbox"/>
Total Minutes	2.635	4	8.0	<u>Notes</u>
		5	8.1	
		6	7.8	
		7	7.8	
		8	7.8	
		9	7.8	
		10	7.6	
		Avg	7.89	

1st Reading	2351835		Mano. Diff.	Qp = 95.03 x 7.40 = 703.2 gpm
2nd Reading	2351842	1	7.4	Qm = 1 x $\frac{7000}{9.750}$ = 717.9 gpm
Difference	7	2	7.4	% diff. = 100 x $\frac{-14.69}{703.25}$ = 2.09% fast
Elapsed Time	9 m 45.01 s	3	7.4	VOID? <input type="checkbox"/>
Total Minutes	9.750	4	7.4	<u>Notes</u>
		5	7.4	
		6	7.4	
		7	7.4	
		8	7.4	
		9	7.4	
		10	7.4	
		Avg	7.40	

1st Reading	2351842		Mano. Diff.	Qp = 95.03 x 7.24 = 688.0 gpm
2nd Reading	2351843	1	7.2	Qm = 1 x $\frac{1000}{1.447}$ = 691.1 gpm
Difference	1	2	7.2	% diff. = 100 x $\frac{-3.04}{688.04}$ = 0.44% fast
Elapsed Time	1 m 26.82 s	3	7.3	VOID? <input type="checkbox"/>
Total Minutes	1.447	4	7.3	<u>Notes</u>
		5	7.4	
		6	7.2	
		7	7.2	
		8	7.2	
		9	7.2	
		10	7.2	
		Avg	7.24	

Notes

WATERMASTER SERVICE WATER METER TEST

Owner	Downey, City of			Meter Error 1.6% slow
State Well No.	02S12W35D004S			
Owner No.	5	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 8 3/8
Test Date	10/29/2024	Serial No.	991458-08	Pipe Area (in ²) 55.088
Tested By	BZ	No. of Dials	6	
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	11/8/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	1387160		Mano. Diff.	Qp = 55.09 x 11.20 = 617.0 gpm
2nd Reading	1387162	1	11.1	Qm = 1 x $\frac{2000}{3.333}$ = 600.1 gpm
Difference	2	2	11.2	% diff. = 100 x $\frac{16.87}{616.99}$ = 2.73% slow
Elapsed Time	3 m 19.96 s	3	11.3	VOID? <input type="checkbox"/>
Total Minutes	3.333	4	11.1	<u>Notes</u>
		5	11.3	
		6	11.4	
		7	11.1	
		8	11.3	
		9	11.2	
		10	11.0	
		Avg	11.20	

1st Reading	1387162		Mano. Diff.	Qp = 55.09 x 10.83 = 596.6 gpm
2nd Reading	1387164	1	10.7	Qm = 1 x $\frac{2000}{3.384}$ = 591.0 gpm
Difference	2	2	10.8	% diff. = 100 x $\frac{5.65}{596.61}$ = 0.95% slow
Elapsed Time	3 m 23.06 s	3	10.8	VOID? <input type="checkbox"/>
Total Minutes	3.384	4	10.9	<u>Notes</u>
		5	10.9	
		6	10.8	
		7	10.8	
		8	11.0	
		9	10.8	
		10	10.8	
		Avg	10.83	

1st Reading	1387164		Mano. Diff.	Qp = 55.09 x 10.94 = 602.7 gpm
2nd Reading	1387166	1	11.0	Qm = 1 x $\frac{2000}{3.359}$ = 595.5 gpm
Difference	2	2	10.7	% diff. = 100 x $\frac{7.19}{602.67}$ = 1.19% slow
Elapsed Time	3 m 21.52 s	3	10.8	VOID? <input type="checkbox"/>
Total Minutes	3.359	4	10.8	<u>Notes</u>
		5	10.8	
		6	11.1	
		7	11.1	
		8	11.0	
		9	11.1	
		10	11.0	
		Avg	10.94	

Notes

WATER METER TEST

Owner	Downey, City of					Meter Error: 1.5% fast
State Well No.	03S12W02H004S					
Owner No.	12	Type (D/M/E)	D			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	12 3/4	
Test Date	10/29/2024	Serial No.	20100272-12	Pipe Area (in ²)	127.676	
Tested By	BZ	No. of Dials	6			
Recorded By	DH	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	11/9/2023	Units (gal/af/cf)	gal	Pipe ID'd?		

1st Reading	4294334		Mano. Diff.			$Q_p = 127.68 \times 14.23 = 1816.8 \text{ gpm}$
2nd Reading	4294341	1	14.2			$Q_m = 1 \times \frac{7000}{3.938} = 1777.5 \text{ gpm}$
Difference	7	2	14.3			$\% \text{ diff.} = 100 \times \frac{39.36}{1816.83} = 2.17\% \text{ slow}$
Elapsed Time	3 m 56.29 s	3	14.4			VOID? <input type="checkbox"/>
Total Minutes	3.938	4	14.4			<u>Notes</u>
		5	14.3			
		6	14.1			
		7	14.1			
		8	14.2			
		9	14.1			
		10	14.2			
		Avg	14.23			

1st Reading	4294341		Mano. Diff.			$Q_p = 127.68 \times 13.27 = 1694.3 \text{ gpm}$
2nd Reading	4294354	1	13.1			$Q_m = 1 \times \frac{13000}{7.328} = 1774.1 \text{ gpm}$
Difference	13	2	13.2			$\% \text{ diff.} = 100 \times \frac{-79.79}{1694.26} = 4.71\% \text{ fast}$
Elapsed Time	7 m 19.67 s	3	13.3			VOID? <input type="checkbox"/>
Total Minutes	7.328	4	13.4			<u>Notes</u>
		5	13.3			
		6	13.3			
		7	13.3			
		8	13.4			
		9	13.2			
		10	13.2			
		Avg	13.27			

1st Reading	4294365		Mano. Diff.			$Q_p = 127.68 \times 13.19 = 1684.1 \text{ gpm}$
2nd Reading	4294366	1	13.3			$Q_m = 1 \times \frac{1000}{0.583} = 1714.8 \text{ gpm}$
Difference	1	2	13.3			$\% \text{ diff.} = 100 \times \frac{-30.73}{1684.05} = 1.82\% \text{ fast}$
Elapsed Time	0 m 34.99 s	3	13.4			VOID? <input type="checkbox"/>
Total Minutes	0.583	4	13.3			<u>Notes</u>
		5	13.0			
		6	13.1			
		7	13.1			
		8	13.1			
		9	13.3			
		10	13.0			
		Avg	13.19			

Notes

WATER METER TEST

Owner	Downey, City of					Meter Error: 0.3% slow
State Well No.	03S12W02L001S					
Owner No.	15	Type (D/M/E)	D			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	10 1/4	
Test Date	10/29/2024	Serial No.	20062560-10	Pipe Area (in ²)	82.516	
Tested By	DH	No. of Dials	6			
Recorded By	BZ	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	11/9/2023	Units (gal/af/cf)	gal	Pipe ID'd?	X	

1st Reading	1233250		Mano. Diff.			Qp = 82.52 x 11.33 = 934.9 gpm
2nd Reading	1233253	1	11.1			Qm = 1 x $\frac{3000}{3.236}$ = 927.1 gpm
Difference	3	2	11.1			% diff. = 100 x $\frac{7.79}{934.91}$ = 0.83% slow
Elapsed Time	3 m 14.15 s	3	11.5			VOID? <input type="checkbox"/>
Total Minutes	3.236	4	11.5			<u>Notes</u>
		5	11.4			
		6	11.3			
		7	11.3			
		8	11.5			
		9	11.4			
		10	11.2			
		Avg	11.33			

1st Reading	1233253		Mano. Diff.			Qp = 82.52 x 10.82 = 892.8 gpm
2nd Reading	1233260	1	10.9			Qm = 1 x $\frac{7000}{7.879}$ = 888.4 gpm
Difference	7	2	10.9			% diff. = 100 x $\frac{4.38}{892.82}$ = 0.49% slow
Elapsed Time	7 m 52.74 s	3	10.7			VOID? <input type="checkbox"/>
Total Minutes	7.879	4	11.0			<u>Notes</u>
		5	10.9			
		6	10.7			
		7	10.5			
		8	10.8			
		9	10.8			
		10	11.0			
		Avg	10.82			

1st Reading	1233260		Mano. Diff.			Qp = 82.52 x 10.73 = 885.4 gpm
2nd Reading	1233262	1	10.5			Qm = 1 x $\frac{2000}{2.250}$ = 888.9 gpm
Difference	2	2	10.7			% diff. = 100 x $\frac{-3.49}{885.40}$ = 0.39% fast
Elapsed Time	2 m 15.00 s	3	10.9			VOID? <input type="checkbox"/>
Total Minutes	2.250	4	10.5			<u>Notes</u>
		5	10.8			
		6	10.8			
		7	10.6			
		8	11.0			
		9	10.7			
		10	10.8			
		Avg	10.73			

Notes

WATERMASTER SERVICE WATER METER TEST

Owner	Downey, City of			Meter Error 1.5% slow
State Well No.	03S12W03F001S			
Owner No.	11	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 16.5
Test Date	10/29/2024	Serial No.	20080381-16	Pipe Area (in ²) 213.825
Tested By	BZ	No. of Dials		
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	11/7/2023	Units (gal/af/cf)	gal	Pipe ID'd? x

1st Reading	135537716		Mano. Diff.	Qp = 213.82 x 12.40 = 2651.4 gpm
2nd Reading	135537721	1	12.3	Qm = 1 x $\frac{5000}{1.911}$ = 2616.4 gpm
Difference	5	2	12.2	% diff. = 100 x $\frac{34.99}{2651.43}$ = 1.32% slow
Elapsed Time	1 m 54.66 s	3	12.3	VOID? <input type="checkbox"/>
Total Minutes	1.911	4	12.3	<u>Notes</u>
		5	12.5	
		6	12.2	
		7	12.4	
		8	12.4	
		9	12.7	
		10	12.7	
		Avg	12.40	

1st Reading	135537721		Mano. Diff.	Qp = 213.82 x 12.43 = 2657.8 gpm
2nd Reading	135537725	1	12.4	Qm = 1 x $\frac{4000}{1.533}$ = 2609.0 gpm
Difference	4	2	12.5	% diff. = 100 x $\frac{48.86}{2657.84}$ = 1.84% slow
Elapsed Time	1 m 31.99 s	3	12.3	VOID? <input type="checkbox"/>
Total Minutes	1.533	4	12.4	<u>Notes</u>
		5	12.4	
		6	12.5	
		7	12.2	
		8	12.6	
		9	12.5	
		10	12.5	
		Avg	12.43	

1st Reading	135537725		Mano. Diff.	Qp = 213.82 x 12.37 = 2645.0 gpm
2nd Reading	135537733	1	12.7	Qm = 1 x $\frac{8000}{3.067}$ = 2608.4 gpm
Difference	8	2	12.4	% diff. = 100 x $\frac{36.60}{2645.01}$ = 1.38% slow
Elapsed Time	3 m 4.02 s	3	12.5	VOID? <input type="checkbox"/>
Total Minutes	3.067	4	12.5	<u>Notes</u>
		5	12.1	
		6	12.2	
		7	12.5	
		8	12.0	
		9	12.5	
		10	12.3	
		Avg	12.37	

Notes

**PRODUCTION WELL METER TESTS
 In the Central Basin for the
 Week of 11/04/24 through 11/08/24**

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Montebello Land and Water Company	02S12W11G001S/14	Badger	E	2301-099/51671759	11/6/2024	1.2		Y
Montebello Land and Water Company	02S12W11R004S/11A	Sparling	M	134471	11/6/2024		0.9	Y
Downey, City of	02S12W27R002S/4	Water Spec.	D	973576-16	11/6/2024		1.5	Y
Downey, City of	03S12W03J001S/16	Water Spec.	D	990231-10	11/6/2024	0.3		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: 1.2% fast	
State Well No.	02S12W11G001S		
Owner No.	14	Type (D/M/E)	E
Basin	Central	Make	Badger
Test Date	11/6/2024	Serial No.	2301-099/51671759
Tested By	DH	No. of Dials	
Recorded By	DH	Fixed Zeroes	
		Multi.	10
Last Test Date	10/24/2023	Units (gal/af/cf)	gal
		New meter?	
		Pipe ID'd?	
		Pipe In. Dia. (in)	14
		Pipe Area (in ²)	153.938

1st Reading	25886291		Mano. Diff.	
2nd Reading	25886476	1	7.5	$Q_p = 153.94 \times 7.27 = 1119.1 \text{ gpm}$
Difference	185	2	7.5	$Q_m = 1 \times \frac{1850}{1.619} = 1143.0 \text{ gpm}$
Ellapsed Time	1 m 37.11 s	3	7.3	$\% \text{ diff.} = 100 \times \frac{-23.90}{1119.13} = 2.14\% \text{ fast}$
Total Minutes	1.619	4	7.2	VOID? <input type="checkbox"/>
		5	7.2	<u>Notes</u>
		6	7.0	
		7	7.7	
		8	7.2	
		9	7.1	
		10	7.0	
		Avg	7.27	

1st Reading	25886476		Mano. Diff.	
2nd Reading	25886811	1	10.0	$Q_p = 153.94 \times 9.46 = 1456.3 \text{ gpm}$
Difference	335	2	10.4	$Q_m = 1 \times \frac{3350}{2.269} = 1476.7 \text{ gpm}$
Ellapsed Time	2 m 16.11 s	3	10.0	$\% \text{ diff.} = 100 \times \frac{-20.49}{1456.25} = 1.41\% \text{ fast}$
Total Minutes	2.269	4	9.5	VOID? <input type="checkbox"/>
		5	9.3	<u>Notes</u>
		6	9.5	
		7	8.8	
		8	9.0	
		9	9.1	
		10	9.0	
		Avg	9.46	

1st Reading	25886811		Mano. Diff.	
2nd Reading	25887149	1	9.5	$Q_p = 153.94 \times 9.21 = 1417.8 \text{ gpm}$
Difference	338	2	9.5	$Q_m = 1 \times \frac{3380}{2.380} = 1420.2 \text{ gpm}$
Ellapsed Time	2 m 22.80 s	3	9.0	$\% \text{ diff.} = 100 \times \frac{-2.40}{1417.77} = 0.17\% \text{ fast}$
Total Minutes	2.380	4	8.7	VOID? <input type="checkbox"/>
		5	8.6	<u>Notes</u>
		6	8.8	
		7	9.5	
		8	9.4	
		9	9.6	
		10	9.5	
		Avg	9.21	

Notes

WATER METER TEST

Owner	Montebello Land & Water Company	Meter Error: 0.9% slow	
State Well No.	02S12W11R004S	Type (D/M/E)	M
Owner No.	11A	Make	Sparling
Basin	Central	Pipe In. Dia. (in)	10
Test Date	11/6/2024	Serial No.	134471
Tested By	DH	No. of Dials	6
Recorded By	DH	Fixed Zeroes	
		Multi.	100
Last Test Date	10/24/2023	Units (gal/af/cf)	cf
		New meter?	
		Pipe ID'd?	

1st Reading	138877	Mano. Diff.	
2nd Reading	138878	1	8.5
Difference	1	2	8.5
Elapsed Time	1 m 9.18 s	3	8.3
Total Minutes	1.153	4	8.1
		5	8.6
		6	8.5
		7	8.4
		8	8.3
		9	8.2
		10	8.0
		Avg	8.34
		$Q_p = 78.54 \times 8.34 = 655.0 \text{ gpm}$ $Q_m = 7.48 \times \frac{100}{1.153} = 648.7 \text{ gpm}$ $\% \text{ diff.} = 100 \times \frac{6.28}{655.02} = 0.96\% \text{ slow}$	
		VOID? <input type="checkbox"/>	
<u>Notes</u>			

1st Reading	138878	Mano. Diff.	
2nd Reading	138880	1	8.5
Difference	2	2	8.3
Elapsed Time	2 m 17.89 s	3	8.2
Total Minutes	2.298	4	8.5
		5	8.3
		6	8.4
		7	8.5
		8	8.5
		9	8.3
		10	8.2
		Avg	8.37
		$Q_p = 78.54 \times 8.37 = 657.4 \text{ gpm}$ $Q_m = 7.48 \times \frac{200}{2.298} = 651.0 \text{ gpm}$ $\% \text{ diff.} = 100 \times \frac{6.42}{657.38} = 0.98\% \text{ slow}$	
		VOID? <input type="checkbox"/>	
<u>Notes</u>			

1st Reading	138880	Mano. Diff.	
2nd Reading	138881	1	8.5
Difference	1	2	8.5
Elapsed Time	1 m 9.25 s	3	8.3
Total Minutes	1.154	4	8.2
		5	8.3
		6	8.4
		7	8.6
		8	8.3
		9	8.1
		10	8.0
		Avg	8.32
		$Q_p = 78.54 \times 8.32 = 653.5 \text{ gpm}$ $Q_m = 7.48 \times \frac{100}{1.154} = 648.1 \text{ gpm}$ $\% \text{ diff.} = 100 \times \frac{5.36}{653.45} = 0.82\% \text{ slow}$	
		VOID? <input type="checkbox"/>	
<u>Notes</u>			

Notes

WATER METER TEST

Owner	Downey, City of						Meter Error: 1.5% 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	11/6/2024	Serial No.	973576-16	Pipe Area (in ²)	201.062		
Tested By	DH	No. of Dials	7				
Recorded By	DH	Fixed Zeroes					
		Multi.	1000	New meter?			
Last Test Date	11/8/2023	Units (gal/af/cf)	gal	Pipe ID'd?			

1st Reading	11639817		Mano. Diff.				
2nd Reading	11639823	1	13.3	Qp =	201.06	x	13.52 = 2718.4 gpm
Difference	6	2	13.3	Qm =	1	x	$\frac{6000}{2.249}$ = 2668.1 gpm
Ellapsed Time	2 m 14.93 s	3	13.4	% diff. = 100	x	$\frac{50.31}{2718.36}$	= 1.85% slow
Total Minutes	2.249	4	13.5				VOID? <input type="checkbox"/>
		5	13.5				
		6	13.7				
		7	13.5				
		8	13.6				
		9	13.8				
		10	13.6				
		Avg	13.52				

Notes

1st Reading	11639823		Mano. Diff.				
2nd Reading	11639830	1	13.4	Qp =	201.06	x	13.69 = 2752.5 gpm
Difference	7	2	13.4	Qm =	1	x	$\frac{7000}{2.583}$ = 2710.0 gpm
Ellapsed Time	2 m 34.98 s	3	13.5	% diff. = 100	x	$\frac{42.51}{2752.54}$	= 1.54% slow
Total Minutes	2.583	4	13.6				VOID? <input type="checkbox"/>
		5	13.7				
		6	13.6				
		7	13.8				
		8	13.9				
		9	13.9				
		10	14.1				
		Avg	13.69				

Notes

1st Reading	11639830		Mano. Diff.				
2nd Reading	11639838	1	13.8	Qp =	201.06	x	13.42 = 2698.3 gpm
Difference	8	2	13.9	Qm =	1	x	$\frac{8000}{3.002}$ = 2664.7 gpm
Ellapsed Time	3 m 0.13 s	3	13.6	% diff. = 100	x	$\frac{33.51}{2698.25}$	= 1.24% slow
Total Minutes	3.002	4	13.5				VOID? <input type="checkbox"/>
		5	13.5				
		6	13.4				
		7	13.5				
		8	13.1				
		9	13.0				
		10	12.9				
		Avg	13.42				

Notes

Notes

WATER METER TEST

Owner	Downey, City of			Meter Error: 0.3% 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	11/6/2024	Serial No.	990231-10	Pipe Area (in ²) 78.540
Tested By	DH	No. of Dials	7	
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	11/9/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	383609		Mano. Diff.	Qp = 78.54 x 8.50 = 667.6 gpm
2nd Reading	383611	1	8.7	Qm = 1 x $\frac{2000}{2.922}$ = 684.4 gpm
Difference	2	2	8.5	% diff. = 100 x $\frac{-16.84}{667.59}$ = 2.52% fast
Ellapsed Time	2 m 55.33 s	3	8.6	VOID? <input type="checkbox"/>
Total Minutes	2.922	4	8.4	<u>Notes</u>
		5	8.2	
		6	8.0	
		7	8.8	
		8	8.7	
		9	8.5	
		10	8.6	
		Avg	8.50	

1st Reading	383613		Mano. Diff.	Qp = 78.54 x 9.59 = 753.2 gpm
2nd Reading	383615	1	9.6	Qm = 1 x $\frac{2000}{2.658}$ = 752.4 gpm
Difference	2	2	9.7	% diff. = 100 x $\frac{0.85}{753.20}$ = 0.11% slow
Ellapsed Time	2 m 39.50 s	3	9.6	VOID? <input type="checkbox"/>
Total Minutes	2.658	4	9.7	<u>Notes</u>
		5	9.5	
		6	9.7	
		7	9.5	
		8	9.6	
		9	9.5	
		10	9.5	
		Avg	9.59	

1st Reading	383619		Mano. Diff.	Qp = 78.54 x 10.18 = 799.5 gpm
2nd Reading	383620	1	10.4	Qm = 1 x $\frac{1000}{1.269}$ = 788.0 gpm
Difference	1	2	10.4	% diff. = 100 x $\frac{11.51}{799.54}$ = 1.44% slow
Ellapsed Time	1 m 16.14 s	3	10.3	VOID? <input type="checkbox"/>
Total Minutes	1.269	4	10.2	<u>Notes</u>
		5	10.0	
		6	10.4	
		7	10.0	
		8	10.0	
		9	9.9	
		10	10.2	
		Avg	10.18	

Notes

PRODUCTION WELL METER TESTS
In the Central Basin for the
Week of 11/11/24 through 11/15/24

Well		Water Meter			Test Date	Error %		Acceptable
Owner	SWN/Owner No.	Make	Type	Serial No.		Fast	Slow	
Lakewood, City of	04S12W10H004S/LK027	Water Spec.	D	20072074-14	11/12/2024	0.5		Y
Lakewood, City of	04S12W10G001S/LK004	Water Spec.	D	20201038-08	11/12/2024	2.3		Y
Lakewood, City of	04S12W10H001S/LK010	Water Spec.	D	20201038-08	11/12/2024	0.2		Y
Lakewood, City of	04S12W10H005S/28	Sparling	E	M230774821	11/12/2024		1.8	Y
Lakewood, City of	04S12W03A002S/LK015A	Water Spec.	D	20101903-10	11/12/2024		0.0	Y
Lakewood, City of	04S12W10H003S/LK008	Water Spec.	D	891061-12	11/13/2024		2.7	Y
Lakewood, City of	04S12W02F002S/LK013A	McCrometer	E*	E24-01390	11/13/2024		0.4	Y
Lakewood, City of	04S12W03H001S/LK017	Water Spec.	D	20090362-08	11/13/2024	4.8		Y
Lakewood, City of	03S12W33A007S/LK002A	McCrometer	E	UP21-103	11/13/2024	1.7		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: 0.5% fast
State Well No.	04S12W10H004S					
Owner No.	LK027	Type (D/M/E)	D			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	12 1/2	
Test Date	11/12/2024	Serial No.	20072074-14	Pipe Area (in ²)	122.718	
Tested By	DH	No. of Dials				
Recorded By	DH	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	10/19/2023	Units (gal/af/cf)	gal	Pipe ID'd?	X	

1st Reading	2925550		Mano. Diff.			Qp = 122.72 x 17.45 = 2141.4 gpm
2nd Reading	2925555	1	17.4			Qm = 1 x $\frac{5000}{2.325}$ = 2150.2 gpm
Difference	5	2	17.4			% diff. = 100 x $\frac{-8.79}{2141.44}$ = 0.41% fast
Elapsed Time	2 m 19.52 s	3	17.4			VOID? <input type="checkbox"/>
Total Minutes	2.325	4	17.3			<u>Notes</u>
		5	17.4			
		6	17.5			
		7	17.6			
		8	17.6			
		9	17.5			
		10	17.4			
		Avg	17.45			

1st Reading	2925555		Mano. Diff.			Qp = 122.72 x 17.44 = 2140.2 gpm
2nd Reading	2925564	1	17.4			Qm = 1 x $\frac{9000}{4.178}$ = 2154.1 gpm
Difference	9	2	17.4			% diff. = 100 x $\frac{-13.84}{2140.21}$ = 0.65% fast
Elapsed Time	4 m 10.69 s	3	17.5			VOID? <input type="checkbox"/>
Total Minutes	4.178	4	17.6			<u>Notes</u>
		5	17.5			
		6	17.4			
		7	17.3			
		8	17.4			
		9	17.5			
		10	17.4			
		Avg	17.44			

1st Reading	2925564		Mano. Diff.			Qp = 122.72 x 17.49 = 2146.3 gpm
2nd Reading	2925570	1	17.4			Qm = 1 x $\frac{6000}{2.784}$ = 2154.9 gpm
Difference	6	2	17.5			% diff. = 100 x $\frac{-8.57}{2146.35}$ = 0.40% fast
Elapsed Time	2 m 47.06 s	3	17.5			VOID? <input type="checkbox"/>
Total Minutes	2.784	4	17.4			<u>Notes</u>
		5	17.5			
		6	17.6			
		7	17.4			
		8	17.6			
		9	17.5			
		10	17.5			
		Avg	17.49			

Notes

WATER METER TEST

Owner	Lakewood, City of					Meter Error: 2.3% fast
State Well No.	04S12W10G001S					
Owner No.	LK004	Type (D/M/E)	D			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	8 1/4	
Test Date	11/12/2024	Serial No.	20201038-08	Pipe Area (in ²)	53.456	
Tested By	DH	No. of Dials				
Recorded By	DH	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	10/19/2023	Units (gal/af/cf)	gal	Pipe ID'd?	X	

1st Reading	921971		Mano. Diff.			Qp = 53.46 x 12.21 = 652.7 gpm
2nd Reading	921973	1	12.4			Qm = 1 x $\frac{2000}{3.001}$ = 666.5 gpm
Difference	2	2	12.3			% diff. = 100 x $\frac{-13.82}{652.70}$ = 2.12% fast
Elapsed Time	3 m 0.04 s	3	12.1			VOID? <input type="checkbox"/>
Total Minutes	3.001	4	12.1			<u>Notes</u>
		5	12.1			
		6	12.2			
		7	12.2			
		8	12.3			
		9	12.2			
		10	12.2			
		Avg	12.21			

1st Reading	921973		Mano. Diff.			Qp = 53.46 x 12.18 = 651.1 gpm
2nd Reading	921978	1	12.4			Qm = 1 x $\frac{5000}{7.502}$ = 666.5 gpm
Difference	5	2	12.0			% diff. = 100 x $\frac{-15.39}{651.10}$ = 2.36% fast
Elapsed Time	7 m 30.12 s	3	12.0			VOID? <input type="checkbox"/>
Total Minutes	7.502	4	12.3			<u>Notes</u>
		5	12.1			
		6	12.2			
		7	12.2			
		8	12.3			
		9	12.1			
		10	12.2			
		Avg	12.18			

1st Reading	921978		Mano. Diff.			Qp = 53.46 x 12.09 = 646.3 gpm
2nd Reading	921981	1	12.1			Qm = 1 x $\frac{3000}{4.532}$ = 662.0 gpm
Difference	3	2	12.2			% diff. = 100 x $\frac{-15.67}{646.29}$ = 2.43% fast
Elapsed Time	4 m 31.92 s	3	12.0			VOID? <input type="checkbox"/>
Total Minutes	4.532	4	12.1			<u>Notes</u>
		5	12.0			
		6	12.0			
		7	12.2			
		8	12.0			
		9	12.2			
		10	12.1			
		Avg	12.09			

Notes

WATER METER TEST

Owner	Lakewood, City of					Meter Error: 0.2% fast
State Well No.	04S12W10H001S					
Owner No.	LK010	Type (D/M/E)	D			
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in)	8 1/8	
Test Date	11/12/2024	Serial No.	20201038-08	Pipe Area (in ²)	51.849	
Tested By	DH	No. of Dials				
Recorded By	DH	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	10/19/2023	Units (gal/af/cf)	gal	Pipe ID'd?	X	

1st Reading	1053663		Mano. Diff.			Qp = 51.85 x 12.03 = 623.7 gpm
2nd Reading	1053665	1	12.0			Qm = 1 x $\frac{2000}{3.042}$ = 657.4 gpm
Difference	2	2	12.2			% diff. = 100 x $\frac{-33.69}{623.74}$ = 5.40% fast
Ellapsed Time	3 m 2.53 s	3	12.2			VOID? <input type="checkbox"/>
Total Minutes	3.042	4	12.1			<u>Notes</u>
		5	12.0			
		6	12.3			
		7	12.1			
		8	12.0			
		9	11.9			
		10	11.5			
		Avg	12.03			

1st Reading	1053665		Mano. Diff.			Qp = 51.85 x 12.82 = 664.7 gpm
2nd Reading	1053668	1	13.0			Qm = 1 x $\frac{3000}{4.834}$ = 620.6 gpm
Difference	3	2	12.8			% diff. = 100 x $\frac{44.07}{664.70}$ = 6.63% slow
Ellapsed Time	4 m 50.03 s	3	13.0			VOID? <input type="checkbox"/>
Total Minutes	4.834	4	12.7			<u>Notes</u>
		5	12.7			
		6	13.0			
		7	12.8			
		8	13.0			
		9	12.7			
		10	12.5			
		Avg	12.82			

1st Reading	1053668		Mano. Diff.			Qp = 51.85 x 11.86 = 614.9 gpm
2nd Reading	1053670	1	12.0			Qm = 1 x $\frac{2000}{3.195}$ = 625.9 gpm
Difference	2	2	12.1			% diff. = 100 x $\frac{-10.99}{614.92}$ = 1.79% fast
Ellapsed Time	3 m 11.72 s	3	11.9			VOID? <input type="checkbox"/>
Total Minutes	3.195	4	11.8			<u>Notes</u>
		5	11.9			
		6	11.7			
		7	11.6			
		8	11.8			
		9	11.8			
		10	12.0			
		Avg	11.86			

Notes

WATER METER TEST

Owner	Lakewood, City of							Meter Error: 1.8% slow
State Well No.	04S12W10H005S							
Owner No.	28	Type (D/M/E)	E					
Basin	Central	Make	Sparling	Pipe In. Dia. (in)	16			
Test Date	11/12/2024	Serial No.	M230774821	Pipe Area (in ²)	201.062			
Tested By	AC	No. of Dials						
Recorded By	DH	Fixed Zeroes						
		Multi.	1000	New meter?				
Last Test Date	10/19/2023	Units (gal/af/cf)	gal	Pipe ID'd?				

1st Reading	1350063		Mano. Diff.					
2nd Reading	1350069	1	10.1	Qp =	201.06	x	10.56	= 2123.2 gpm
Difference	6	2	10.6	Qm =	1	x	$\frac{6000}{2.895}$	= 2072.8 gpm
Elapsed Time	2 m 53.68 s	3	10.7	% diff. = 100	x	$\frac{50.44}{2123.21}$	= 2.38%	slow
Total Minutes	2.895	4	10.3					VOID? <input type="checkbox"/>
		5	10.5					
		6	10.6					
		7	10.7					
		8	10.7					
		9	10.9					
		10	10.5					
		Avg	10.56					

Notes

1st Reading	1350048		Mano. Diff.					
2nd Reading	1350049	1	10.5	Qp =	201.06	x	10.40	= 2091.0 gpm
Difference	1	2	10.5	Qm =	1	x	$\frac{1000}{0.484}$	= 2066.8 gpm
Elapsed Time	0 m 29.03 s	3	10.5	% diff. = 100	x	$\frac{24.22}{2091.04}$	= 1.16%	slow
Total Minutes	0.484	4	10.0					VOID? <input type="checkbox"/>
		5	10.5					
		6	10.2					
		7	10.6					
		8	10.4					
		9	10.3					
		10	10.5					
		Avg	10.40					

Notes

1st Reading	1350049		Mano. Diff.					
2nd Reading	1350063	1	10.6	Qp =	201.06	x	10.51	= 2113.2 gpm
Difference	14	2	10.5	Qm =	1	x	$\frac{14000}{6.755}$	= 2072.4 gpm
Elapsed Time	6 m 45.32 s	3	10.6	% diff. = 100	x	$\frac{40.72}{2113.16}$	= 1.93%	slow
Total Minutes	6.755	4	10.2					VOID? <input type="checkbox"/>
		5	10.7					
		6	10.2					
		7	10.9					
		8	10.4					
		9	10.7					
		10	10.3					
		Avg	10.51					

Notes

Notes

WATER METER TEST

Owner	Lakewood, City of	Meter Error: 0.0% slow		
State Well No.	04S12W03A002S	Type (D/M/E)	D	
Owner No.	LK015A	Make	Water Spec.	Pipe In. Dia. (in) 10.5
Basin	Central	Serial No.	20101903-10	Pipe Area (in ²) 86.590
Test Date	11/12/2024	No. of Dials		
Tested By	DH	Fixed Zeroes		
Recorded By	DH	Multi.	1000	New meter? <input type="checkbox"/>
Last Test Date	10/19/2023	Units (gal/af/cf)	gal	Pipe ID'd? <input checked="" type="checkbox"/>

1st Reading	4014709		Mano. Diff.	Qp = 86.59 x 16.46 = 1425.3 gpm
2nd Reading	4014711	1	16.1	Qm = 1 x $\frac{2000}{1.398}$ = 1430.3 gpm
Difference	2	2	16.4	% diff. = 100 x $\frac{-5.00}{1425.27}$ = 0.35% fast
Elapsed Time	1 m 23.90 s	3	16.5	VOID? <input type="checkbox"/>
Total Minutes	1.398	4	16.5	<u>Notes</u>
		5	16.5	
		6	16.6	
		7	16.4	
		8	16.6	
		9	16.5	
		10	16.5	
		Avg	16.46	

1st Reading	4014711		Mano. Diff.	Qp = 86.59 x 16.48 = 1427.0 gpm
2nd Reading	4014713	1	16.5	Qm = 1 x $\frac{2000}{1.402}$ = 1426.2 gpm
Difference	2	2	16.4	% diff. = 100 x $\frac{0.81}{1427.01}$ = 0.06% slow
Elapsed Time	1 m 24.14 s	3	16.6	VOID? <input type="checkbox"/>
Total Minutes	1.402	4	16.5	<u>Notes</u>
		5	16.5	
		6	16.4	
		7	16.6	
		8	16.6	
		9	16.3	
		10	16.4	
		Avg	16.48	

1st Reading	4014713		Mano. Diff.	Qp = 86.59 x 16.52 = 1430.5 gpm
2nd Reading	4014715	1	16.6	Qm = 1 x $\frac{2000}{1.404}$ = 1425.0 gpm
Difference	2	2	16.5	% diff. = 100 x $\frac{5.46}{1430.47}$ = 0.38% slow
Elapsed Time	1 m 24.21 s	3	16.5	VOID? <input type="checkbox"/>
Total Minutes	1.404	4	16.6	<u>Notes</u>
		5	16.6	
		6	16.6	
		7	16.5	
		8	16.4	
		9	16.4	
		10	16.5	
		Avg	16.52	

Notes

WATERMASTER SERVICE WATER METER TEST

Owner	Lakewood, City of			Meter Error 2.7% slow
State Well No.	04S13W10H003S			
Owner No.	LK008	Type (D/M/E)	D	
Basin	Central	Make	Water Spec.	Pipe In. Dia. (in) 11 5/8
Test Date	11/13/2024	Serial No.	891061-12	Pipe Area (in ²) 106.139
Tested By	DH	No. of Dials		
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter?
Last Test Date	10/20/2023	Units (gal/af/cf)	gal	Pipe ID'd? X

1st Reading	1109012		Mano. Diff.	Qp = 106.14 x 6.89 = 731.3 gpm
2nd Reading	1109014	1	6.9	Qm = 1 x $\frac{2000}{2.833}$ = 705.9 gpm
Difference	2	2	6.9	% diff. = 100 x $\frac{25.38}{731.30}$ = 3.47% slow
Ellapsed Time	2 m 49.99 s	3	6.8	VOID? <input type="checkbox"/>
Total Minutes	2.833	4	7.0	<u>Notes</u>
		5	7.0	
		6	6.9	
		7	6.8	
		8	6.8	
		9	6.9	
		10	6.9	
		Avg	6.89	

1st Reading	1109014		Mano. Diff.	Qp = 106.14 x 6.89 = 731.3 gpm
2nd Reading	1109016	1	6.9	Qm = 1 x $\frac{2000}{2.836}$ = 705.3 gpm
Difference	2	2	7.0	% diff. = 100 x $\frac{25.96}{731.30}$ = 3.55% slow
Ellapsed Time	2 m 50.13 s	3	6.7	VOID? <input type="checkbox"/>
Total Minutes	2.836	4	6.9	<u>Notes</u>
		5	6.7	
		6	6.9	
		7	7.0	
		8	6.9	
		9	6.8	
		10	7.1	
		Avg	6.89	

1st Reading	1109016		Mano. Diff.	Qp = 106.14 x 6.78 = 719.6 gpm
2nd Reading	1109018	1	7.0	Qm = 1 x $\frac{2000}{2.807}$ = 712.5 gpm
Difference	2	2	6.8	% diff. = 100 x $\frac{7.16}{719.62}$ = 1.00% slow
Ellapsed Time	2 m 48.43 s	3	6.5	VOID? <input type="checkbox"/>
Total Minutes	2.807	4	6.6	<u>Notes</u>
		5	6.7	
		6	6.7	
		7	6.8	
		8	7.0	
		9	6.7	
		10	7.0	
		Avg	6.78	

Notes

WATER METER TEST

Owner	Lakewood, City of			Meter Error: 0.4% slow
State Well No.	04S12W02F002S			
Owner No.	LK013A	Type (D/M/E)	E	
Basin	Central	Make	McCrometer	Pipe In. Dia. (in) 11 3/4
Test Date	11/13/2024	Serial No.	E24-01390	Pipe Area (in ²) 108.434
Tested By	DH	No. of Dials		
Recorded By	DH	Fixed Zeroes		
		Multi.	1000	New meter? X
Last Test Date	1/5/2020	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	21109		Mano. Diff.	Qp = 108.43 x 4.35 = 471.7 gpm
2nd Reading	21110	1	4.5	Qm = 1 x $\frac{1000}{2.154}$ = 464.3 gpm
Difference	1	2	4.5	% diff. = 100 x $\frac{7.40}{471.69}$ = 1.57% slow
Elapsed Time	2 m 9.23 s	3	4.5	VOID? <input type="checkbox"/>
Total Minutes	2.154	4	4.5	<u>Notes</u>
		5	4.0	
		6	4.5	
		7	4.0	
		8	4.0	
		9	4.5	
		10	4.5	
		Avg	4.35	

1st Reading	21110		Mano. Diff.	Qp = 108.43 x 4.35 = 471.7 gpm
2nd Reading	21111	1	4.5	Qm = 1 x $\frac{1000}{2.153}$ = 464.5 gpm
Difference	1	2	4.5	% diff. = 100 x $\frac{7.15}{471.69}$ = 1.52% slow
Elapsed Time	2 m 9.16 s	3	4.5	VOID? <input type="checkbox"/>
Total Minutes	2.153	4	4.5	<u>Notes</u>
		5	4.0	
		6	4.0	
		7	4.5	
		8	4.0	
		9	4.5	
		10	4.5	
		Avg	4.35	

1st Reading	21111		Mano. Diff.	Qp = 108.43 x 4.05 = 439.2 gpm
2nd Reading	21113	1	4.5	Qm = 1 x $\frac{2000}{4.465}$ = 447.9 gpm
Difference	2	2	4.0	% diff. = 100 x $\frac{-8.79}{439.16}$ = 2.00% fast
Elapsed Time	4 m 27.89 s	3	4.0	VOID? <input type="checkbox"/>
Total Minutes	4.465	4	4.0	<u>Notes</u>
		5	4.0	
		6	4.0	
		7	4.0	
		8	4.0	
		9	4.0	
		10	4.0	
		Avg	4.05	

Notes

Well has not been tested by DWR since 2020.

WATER METER TEST

Owner	Lakewood, City of					Meter Error: 4.8% 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	11/13/2024	Serial No.	20090362-08	Pipe Area (in ²)	48.707	
Tested By	DH	No. of Dials				
Recorded By	DH	Fixed Zeroes				
		Multi.	1000	New meter?		
Last Test Date	10/20/2023	Units (gal/af/cf)	gal	Pipe ID'd?		

1st Reading	3854095		Mano. Diff.			
2nd Reading	3854098	1	17.8	Qp =	48.71	x 17.68 = 861.1 gpm
Difference	3	2	17.6	Qm =	1	x $\frac{3000}{3.322}$ = 903.2 gpm
Ellapsed Time	3 m 19.30 s	3	17.6	% diff. = 100	x $\frac{-42.02}{861.14}$	= 4.88% fast
Total Minutes	3.322	4	17.7			VOID? <input type="checkbox"/>
		5	17.8			<u>Notes</u>
		6	17.7			
		7	17.6			
		8	17.8			
		9	17.6			
		10	17.6			
		Avg	17.68			

1st Reading	3854098		Mano. Diff.			
2nd Reading	3854102	1	17.5	Qp =	48.71	x 17.67 = 860.7 gpm
Difference	4	2	17.7	Qm =	1	x $\frac{4000}{4.441}$ = 900.8 gpm
Ellapsed Time	4 m 26.44 s	3	17.7	% diff. = 100	x $\frac{-40.11}{860.65}$	= 4.66% fast
Total Minutes	4.441	4	17.6			VOID? <input type="checkbox"/>
		5	17.7			<u>Notes</u>
		6	17.7			
		7	17.8			
		8	17.7			
		9	17.6			
		10	17.7			
		Avg	17.67			

1st Reading	3854102		Mano. Diff.			
2nd Reading	3854105	1	17.7	Qp =	48.71	x 17.67 = 860.7 gpm
Difference	3	2	17.7	Qm =	1	x $\frac{3000}{3.328}$ = 901.6 gpm
Ellapsed Time	3 m 19.65 s	3	17.6	% diff. = 100	x $\frac{-40.93}{860.65}$	= 4.76% fast
Total Minutes	3.328	4	17.7			VOID? <input type="checkbox"/>
		5	17.7			<u>Notes</u>
		6	17.5			
		7	17.7			
		8	17.8			
		9	17.5			
		10	17.8			
		Avg	17.67			

Notes

WATER METER TEST

Owner	Lakewood, City of			Meter Error: 1.7% 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	11/13/2024	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?
Last Test Date	12/7/2023	Units (gal/af/cf)	gal	Pipe ID'd?

1st Reading	45616		Mano. Diff.	Qp = 53.46 x 8.52 = 455.4 gpm
2nd Reading	45617	1	8.7	Qm = 1 x $\frac{1000}{2.161}$ = 462.8 gpm
Difference	1	2	8.5	% diff. = 100 x $\frac{-7.37}{455.45}$ = 1.62% fast
Ellapsed Time	2 m 9.64 s	3	8.4	VOID? <input type="checkbox"/>
Total Minutes	2.161	4	8.4	<u>Notes</u>
		5	8.6	
		6	8.7	
		7	8.5	
		8	8.5	
		9	8.4	
		10	8.5	
		Avg	8.52	

1st Reading	45617		Mano. Diff.	Qp = 53.46 x 8.51 = 454.9 gpm
2nd Reading	45618	1	8.5	Qm = 1 x $\frac{1000}{2.164}$ = 462.2 gpm
Difference	1	2	8.4	% diff. = 100 x $\frac{-7.30}{454.91}$ = 1.61% fast
Ellapsed Time	2 m 9.81 s	3	8.6	VOID? <input type="checkbox"/>
Total Minutes	2.164	4	8.5	<u>Notes</u>
		5	8.5	
		6	8.7	
		7	8.6	
		8	8.6	
		9	8.4	
		10	8.3	
		Avg	8.51	

1st Reading	45618		Mano. Diff.	Qp = 53.46 x 8.51 = 454.9 gpm
2nd Reading	45619	1	8.3	Qm = 1 x $\frac{1000}{2.161}$ = 462.8 gpm
Difference	1	2	8.4	% diff. = 100 x $\frac{-7.87}{454.91}$ = 1.73% fast
Ellapsed Time	2 m 9.65 s	3	8.5	VOID? <input type="checkbox"/>
Total Minutes	2.161	4	8.5	<u>Notes</u>
		5	8.5	
		6	8.5	
		7	8.6	
		8	8.5	
		9	8.5	
		10	8.8	
		Avg	8.51	

Notes