

SEWAGE AND WASTEWATER ADVISORY COMMITTEE
Advisory to the Board of Clark County Commissioners

Conveyed virtually in accordance with changes to Open Meeting Law during the 2021 Legislative Session
Meeting Minutes of August 14, 2025

MEMBERS	Present	Absent
Clark County (2 Members)		
John Solvie (Member)	X	
Joseph Leedy (Member)	X	
VACANT (Alternate)		
Daylin Sigler (Alternate)	X	
City of Las Vegas (3 Members)		
John Bettencourt (Member)		X
Charles Trushel (Member)	X	
VACANT (Member)		
Dawn Boyer (Alternate)	X	
Tom Hornsby (Alternate)	X	
Chris Marinch (Alternate)	X	
City of Henderson (2 Members)		
Brian Carlson (Member) VICE-CHAIR	X	
Heidi Dexheimer (Member)	X	
Clifford Clark (Alternate)	X	
James Koloskie (Alternate)	X	
City of North Las Vegas (1 Member)		
Alan Wolfley (Member)	X	
Bryce Burrell (Alternate)		X
Clark County Water Reclamation District (1 Member)		
Daniel Fischer (Member) CHAIR	X	
Richard Donahue (Alternate)	X	
Moapa Valley Water District (1 Member)		
Joe Davis (Member)	X	
Lon Dalley (Alternate)	X	
Las Vegas Valley Water District (1 Member)		
Todd Tietjen (Member)	X	
Xiaoping Zhou (Alternate)	X	
Mesquite (1 Member)		
Bill Tanner (Member)		X
Travis Anderson (Alternate)		X
Virgin Valley Water District (1 Member)		
VACANT (Member)		
Aaron Bunker (Alternate)	X	
Boulder City (1 Member)		
Joseph Stubitz (Member)		X
Jim Keane (Alternate)	X	

GUESTS PRESENT

Terin George
Elise Nguyen
AJ Rodrigues
Erik Anderson
Ben Martinsen
Wes Smith
Yifredew Teklu
Jason Patchett
Daniel Isler
Robert Zinkevich
Jayla Flak
Angela McKinnon
John Gonzales
Matthew Matasci
Jinju Lee
Cassandra Chamberlain
Michael Kosor

Clark County Water Quality
Clark County Water Quality
Clark County Water Reclamation District
Clark County Water Reclamation District
Virgin Valley Water District
Virgin Valley Water District
City of Las Vegas
Clark County District Attorney's Office
Southern Nevada Health District
Nevada Division of Environmental Protection
Nevada Division of Environmental Protection
Brown & Caldwell
Brown & Caldwell
Brown & Caldwell
University of Nevada, Las Vegas - CBER
Hazen and Sawyer
Citizen

1. CALL TO ORDER

The Sewage and Wastewater Advisory Committee (SWAC) meeting was called to order by Chair, Dan Fischer, of Clark County Water Reclamation District at 9:04 a.m. It was confirmed that the meeting was properly noticed and posted in accordance with the Open Meeting Law.

2. COMMENTS BY THE GENERAL PUBLIC - None

3. APPROVAL OF THE MINUTES OF THE MEETING OF MAY 7, 2025

Charles Trushel motioned to approve the May 7, 2025, minutes, and Todd Tietjen seconded. The motion was approved.

4. APPROVAL OF AGENDA

John Solvie motioned to approve the agenda, and Joseph Leedy seconded. The motion was approved.

5. PRESENTATION:

A presentation titled, *2025-2060 CBER Clark County Population Forecasts*, was provided by Jinju Lee, Associate Research Director at the Center for Business & Economic Research, University of Nevada Las Vegas

6. DISCUSSION OF QUARTERLY FLOW REPORT

Water and wastewater flows are as expected for the second quarter of 2025.

7. MEMBER UPDATES

A. Moapa Valley Water District

- N/A

B. Las Vegas Valley Water District

- LV Lower Wash project funding discussions are underway
- Lake Mead Water Quality Forum meeting was held on August 13, 2025

C. Boulder City

- There was a minor effluent leak out in El Dorado Valley, and it has been addressed
- Comments were provided for the draft document regarding wastewater/effluent study.

D. Virgin Valley Water District

- Construction of an arsenic treatment plant will be starting in the coming months.

E. City of Mesquite

- N/A

F. City of Las Vegas

- John Bettencourt (SWAC Member) is retiring
- Tom Hornsby is the new Plant Operations and Maintenance Manager
- SWAC membership will be updated
- Multiple plant vacancies
- Plant projects are ongoing
- Reuse water delivery at Club at Sunrise began in June

G. Clark County Water Reclamation District

- Lift station construction and manhole/pipeline rehabilitation projects are ongoing
- FWRC plant expansion projects are ongoing

H. City of North Las Vegas

- Substantially completed Sloan Channel repairs
- An unknown industry is discharging nutrients – investigation ongoing
- Republic Services septage is being received weekly
- Garnet Valley wastewater system construction is underway. Estimated to be completed by 2028

I. City of Henderson

- Heidi Dexheimer is the new Deputy Director of Utility Services and SWAC member
- Plant and lift station design and construction are ongoing

J. Clark County

- The 208 Plan project is expected to be in full swing sometime this fall
- NDEP requested additions to the draft Stormwater Management Plan, which the MS4 co-permittees are addressing

8. MEMBER VACANCIES

- A. Virgin Valley Water District – 1 member vacancy
- B. City of Las Vegas – 1 member vacancy
- C. Clark County – 1 alternate vacancy

9. COMMENTS BY THE GENERAL PUBLIC

- A. Michael Kosor – Raised concerns and requested action regarding private, legacy sanitary sewer systems in single-family residential communities.
- B. Daniel Isler – Notified that the business impact statement for new ISDS regulations is being presented at the August Board of Health meeting in two weeks at 9:00 a.m.

10. SCHEDULE NEXT MEETING

The next meeting is scheduled for November 5, 2025, at 9:00 am. A meeting invite will be sent out.

11. ADJOURNMENT

The meeting was adjourned at 10:20.

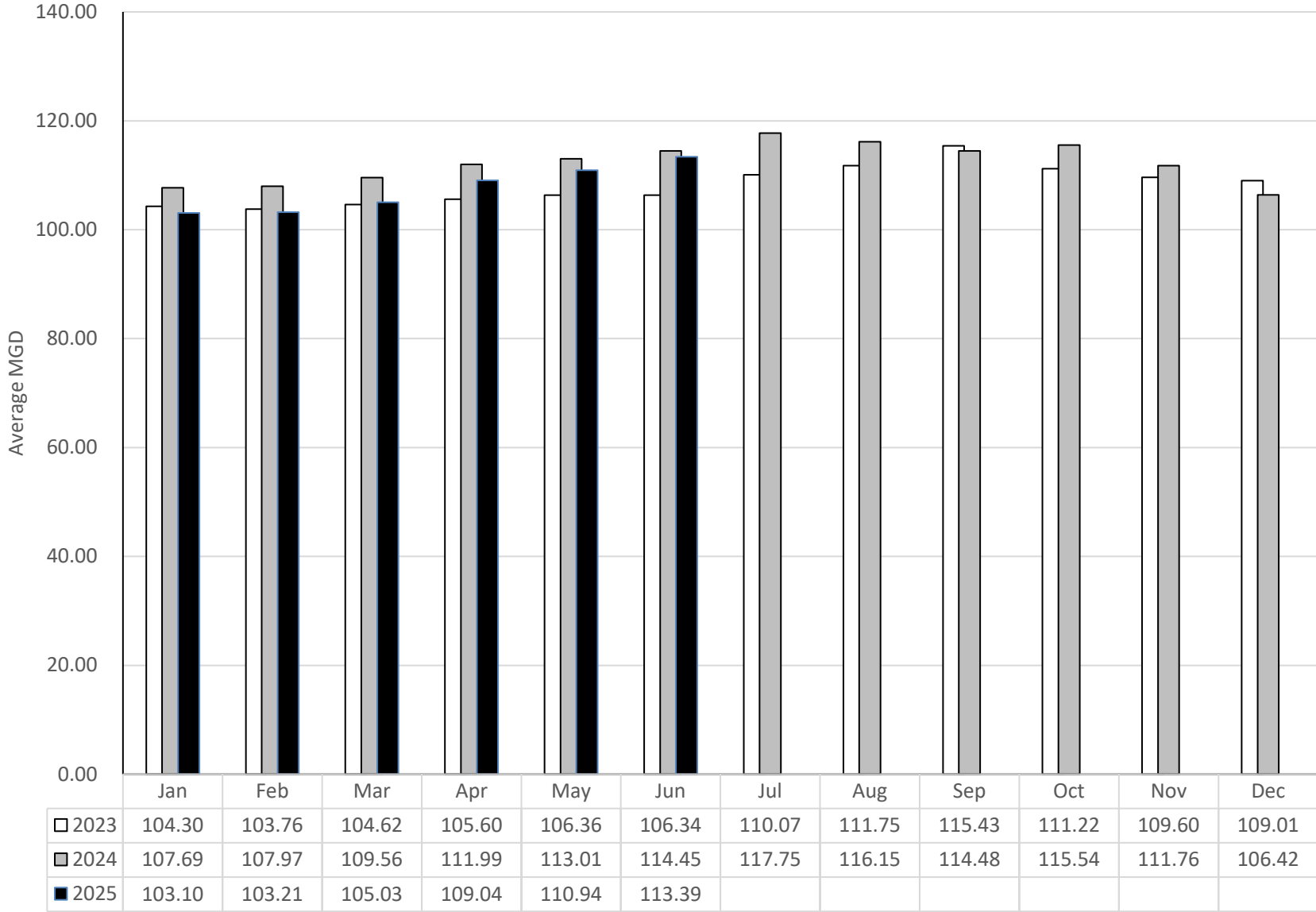
2025
2nd Quarter Flow Report For
Clark County Sewage And
Wastewater Advisory
Committee
(SWAC)

August 28, 2025

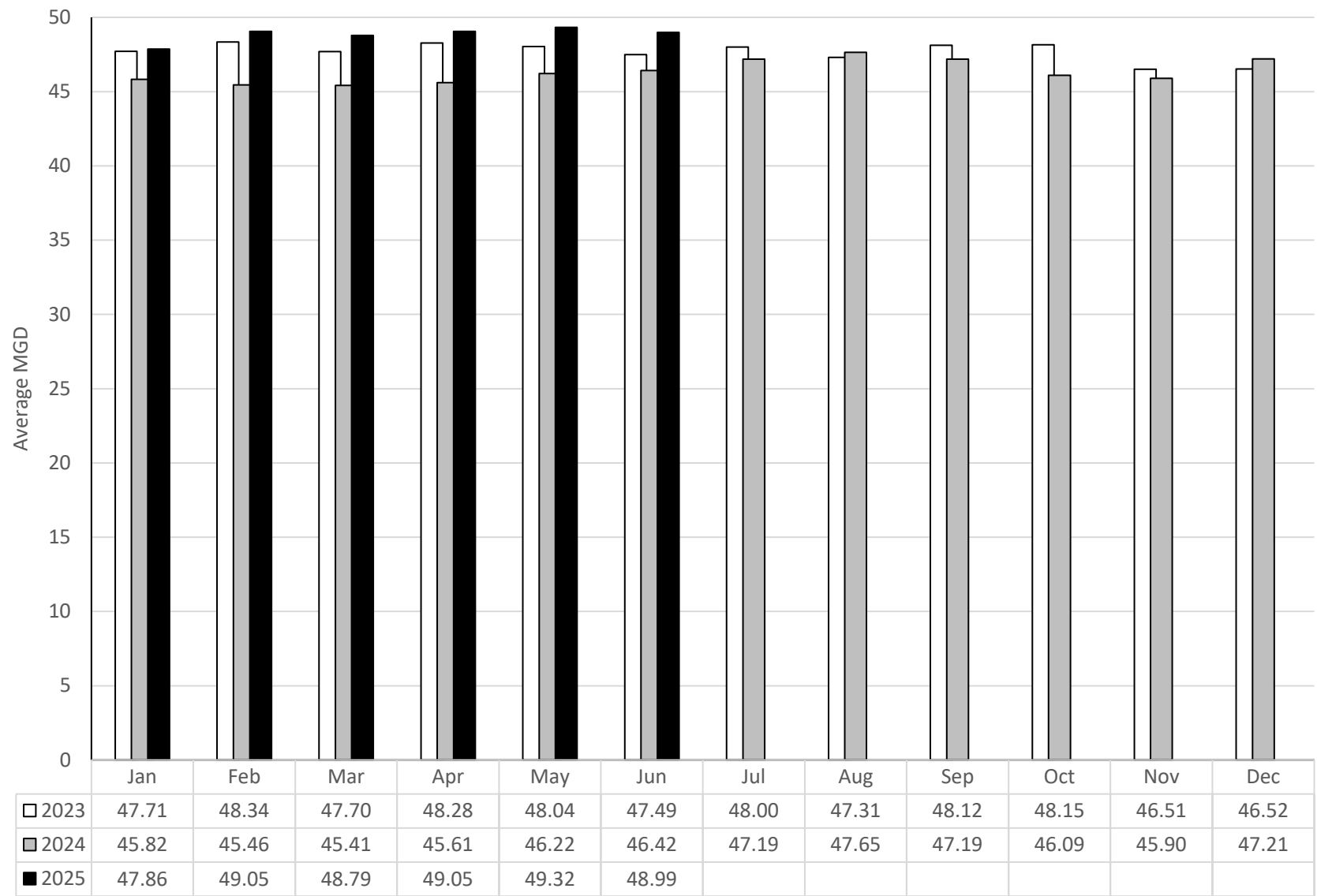
Wastewater Flows

2023 through 2025

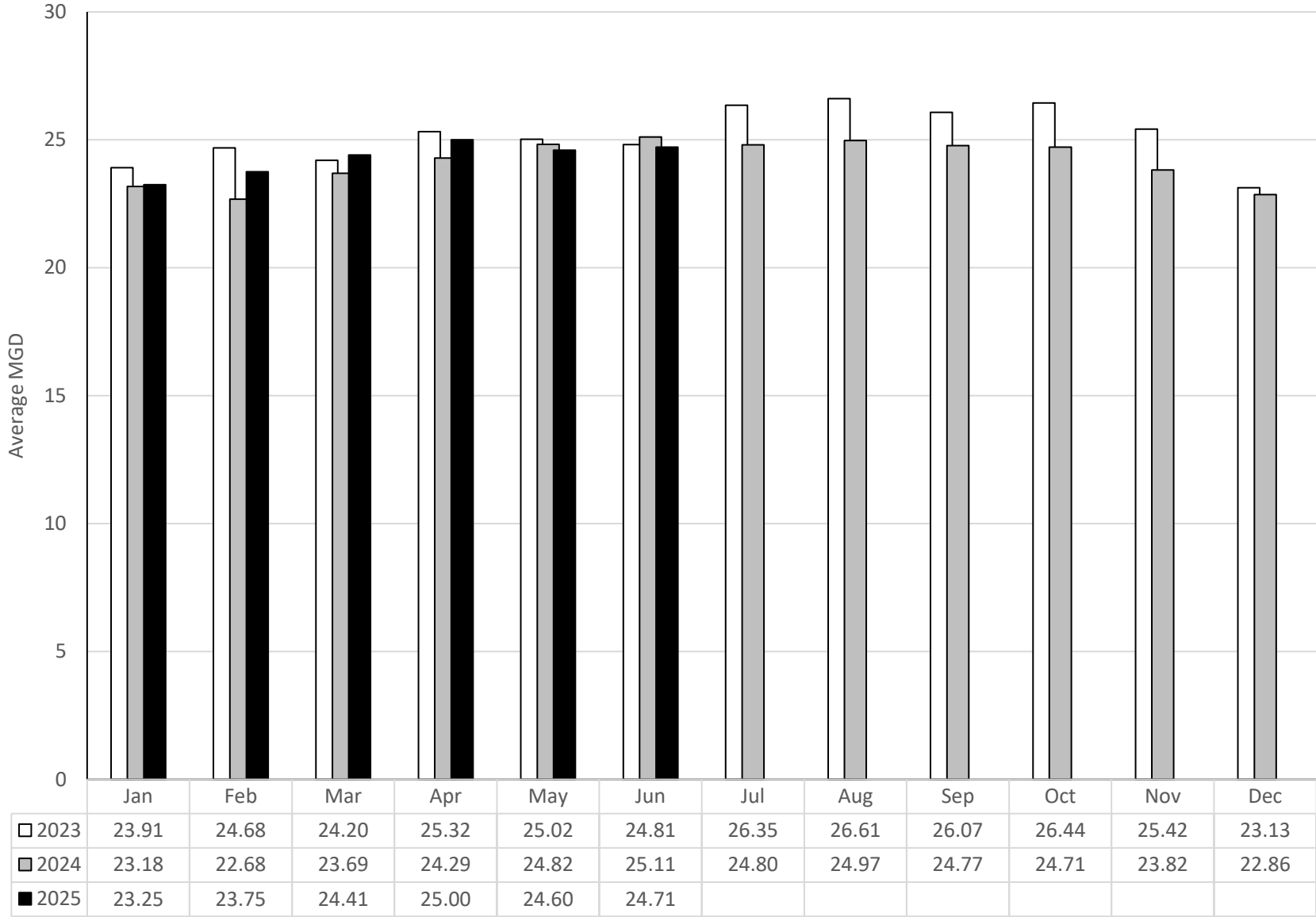
Clark County Water Reclamation District Wastewater Flows



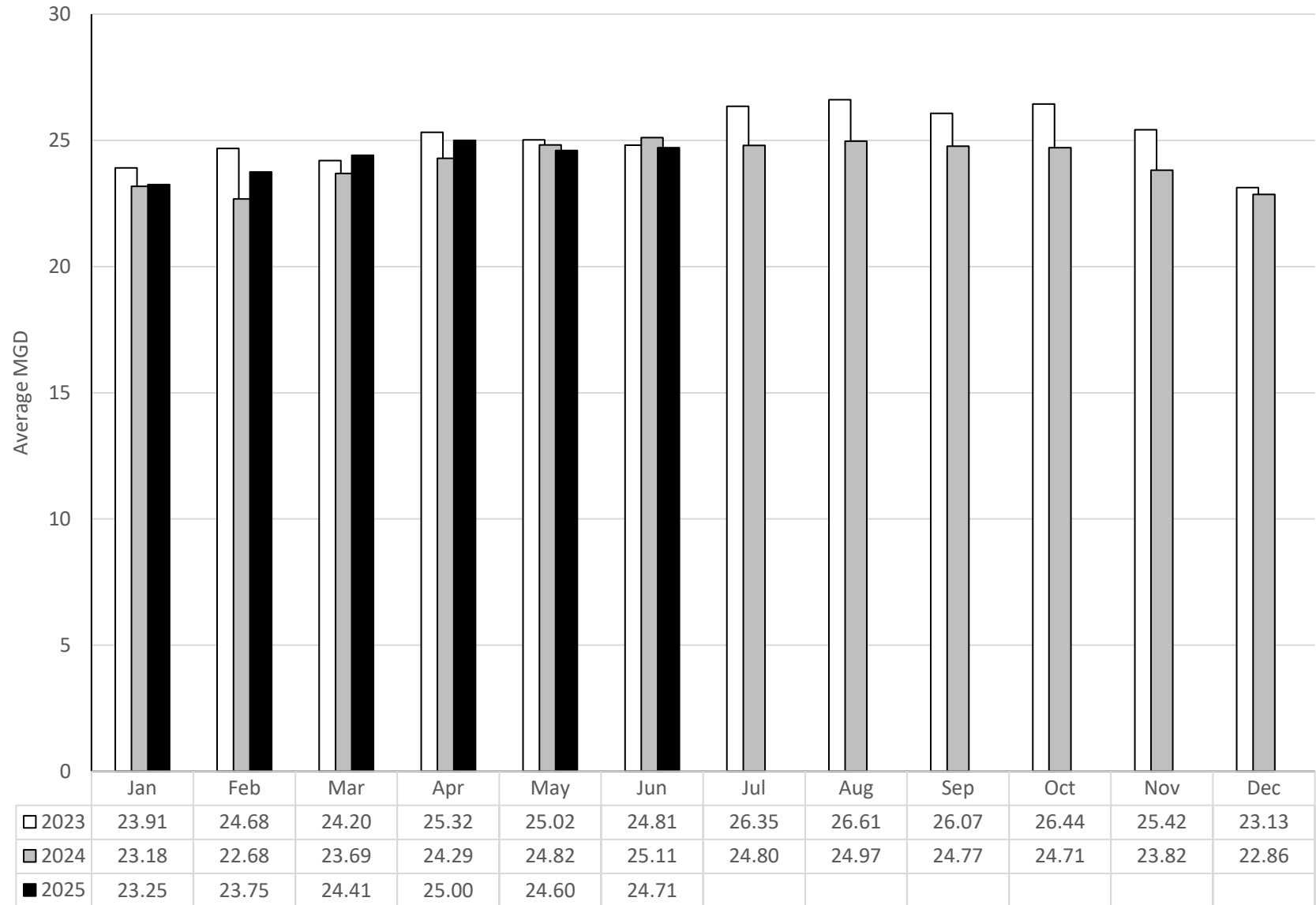
City of Las Vegas Wastewater Flows



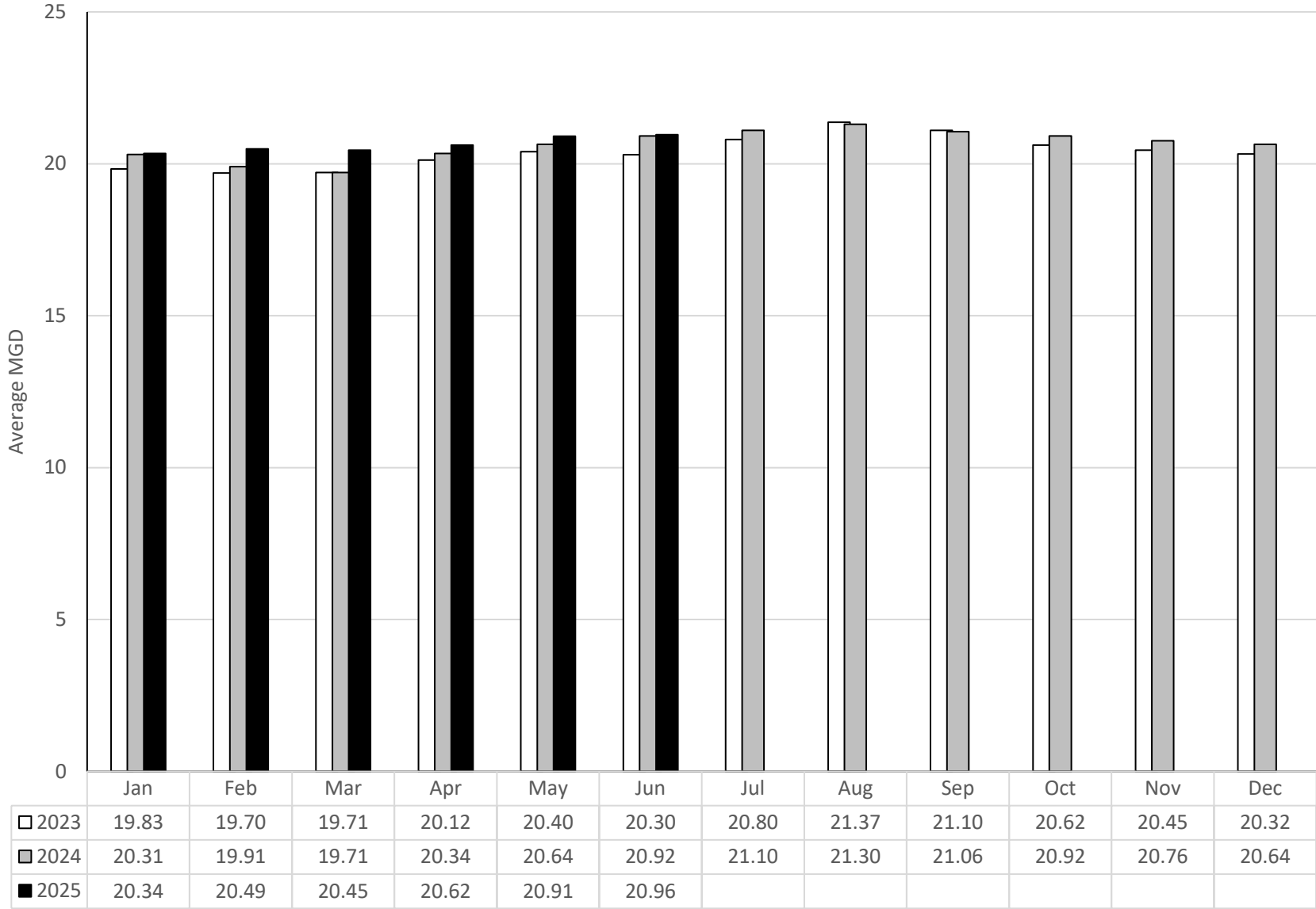
City of Henderson Wastewater Flows



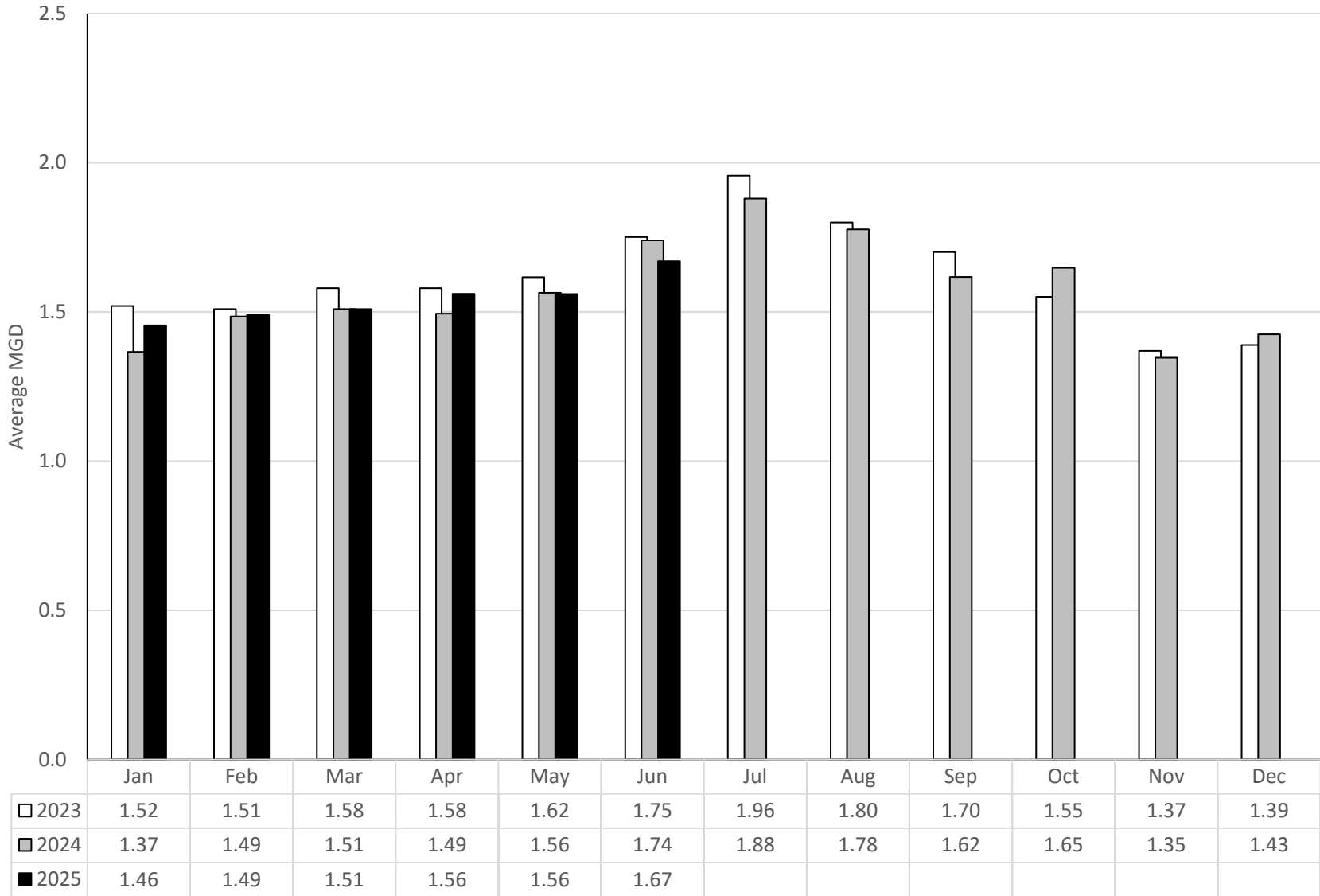
Boulder City Wastewater Flows



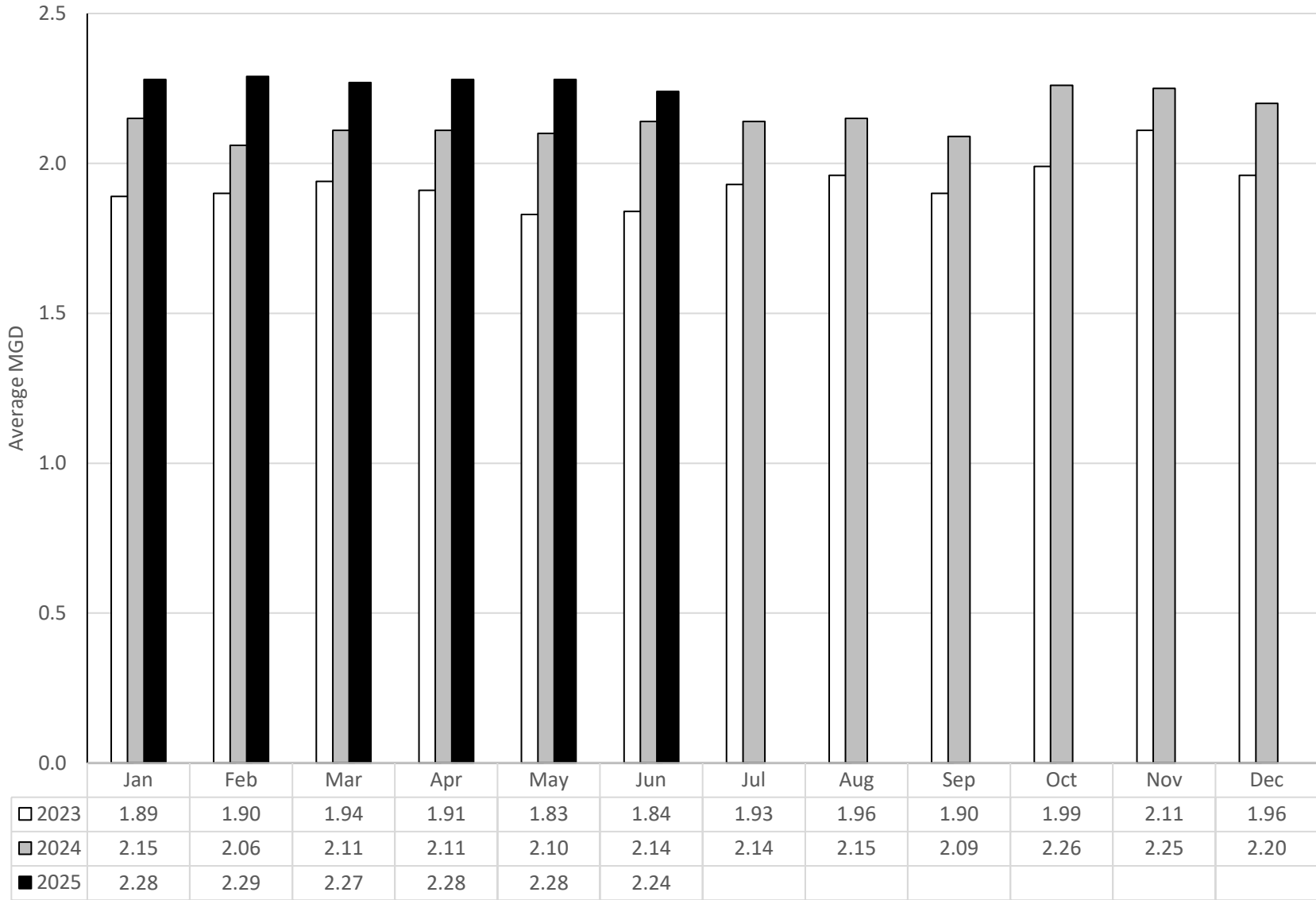
City of North Las Vegas Wastewater Flows



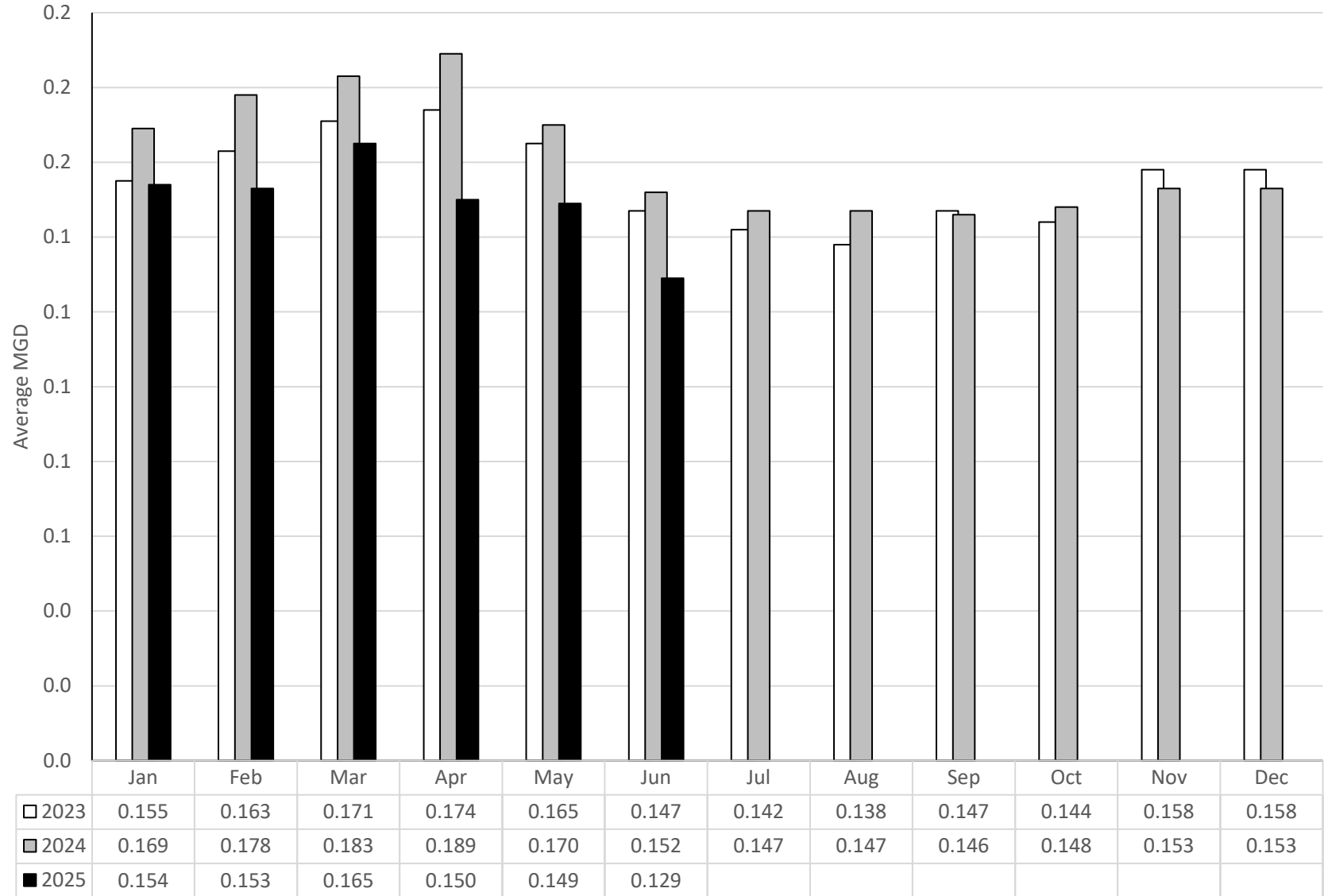
Laughlin Wastewater Flows



City of Mesquite Wastewater Flows

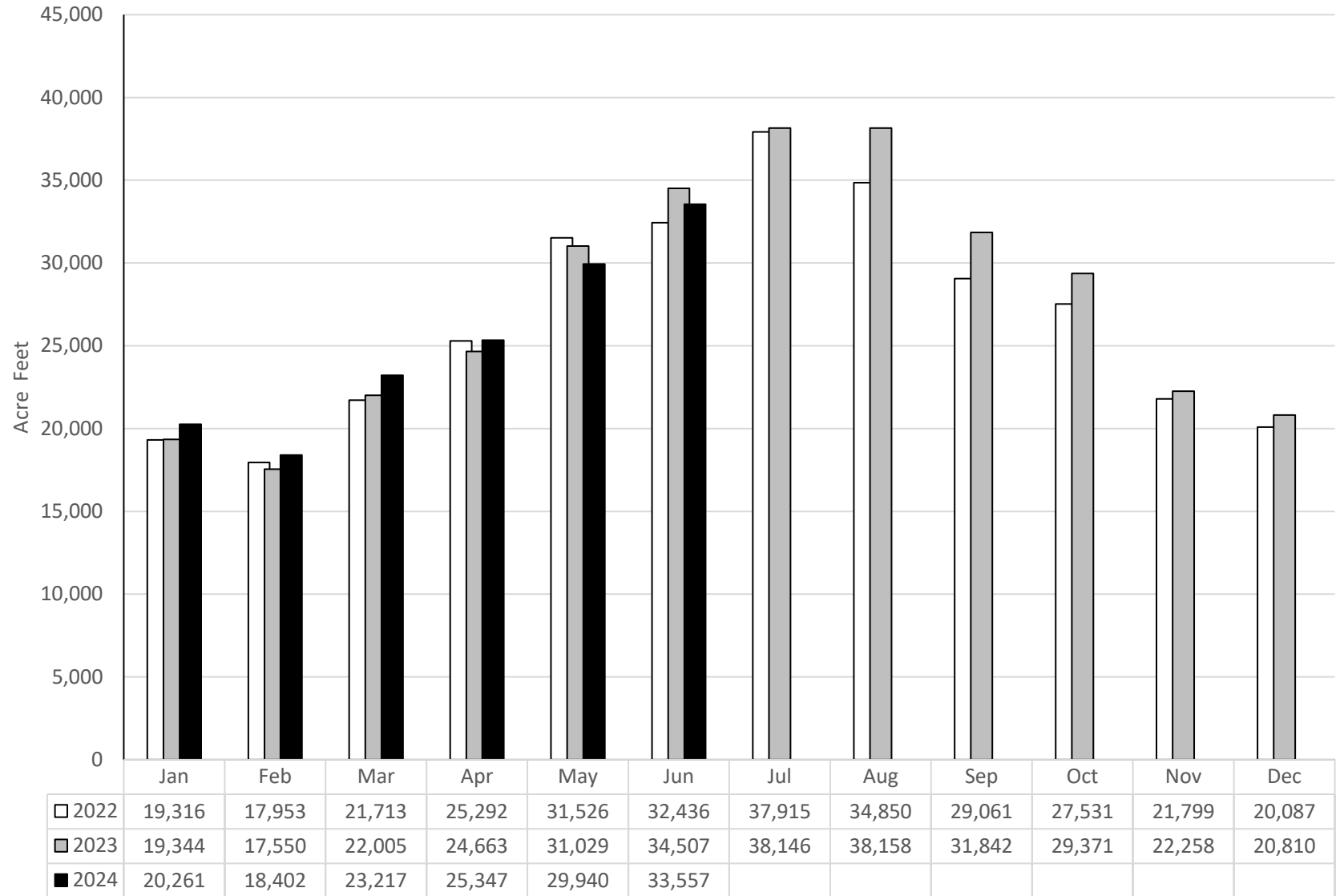


Moapa Wastewater Flows

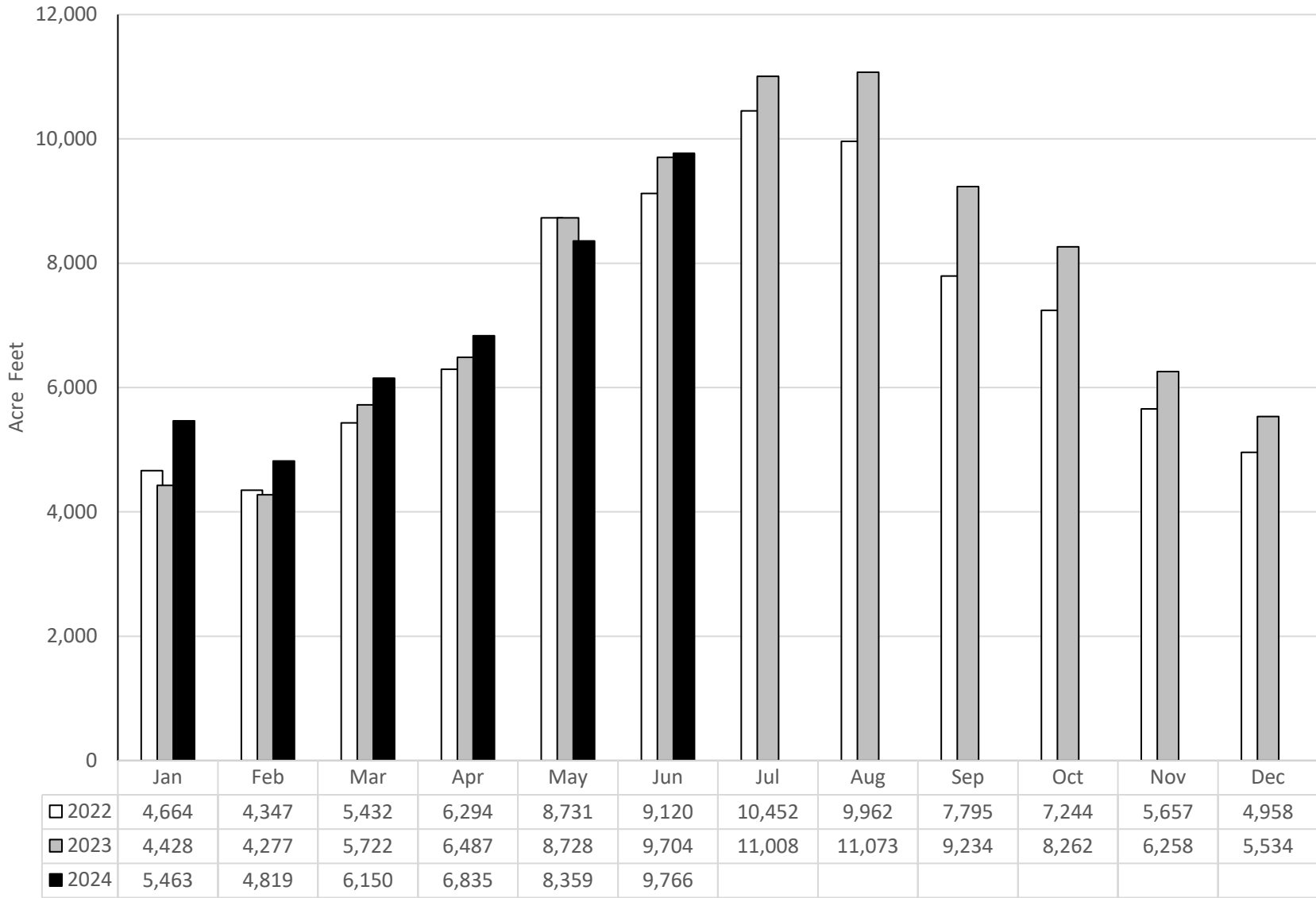


Water Production 2023 through 2025

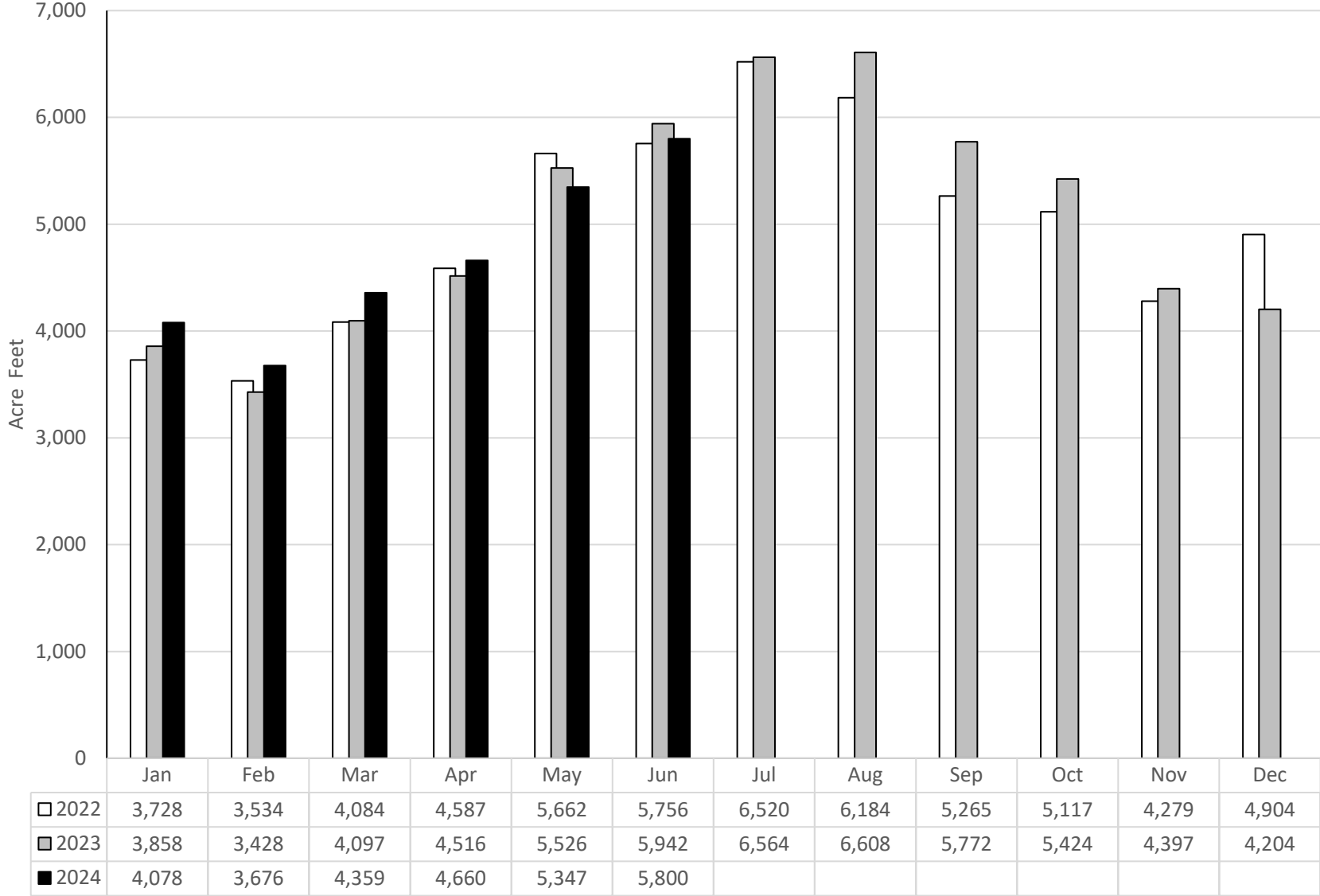
Las Vegas Valley Water District Water Production



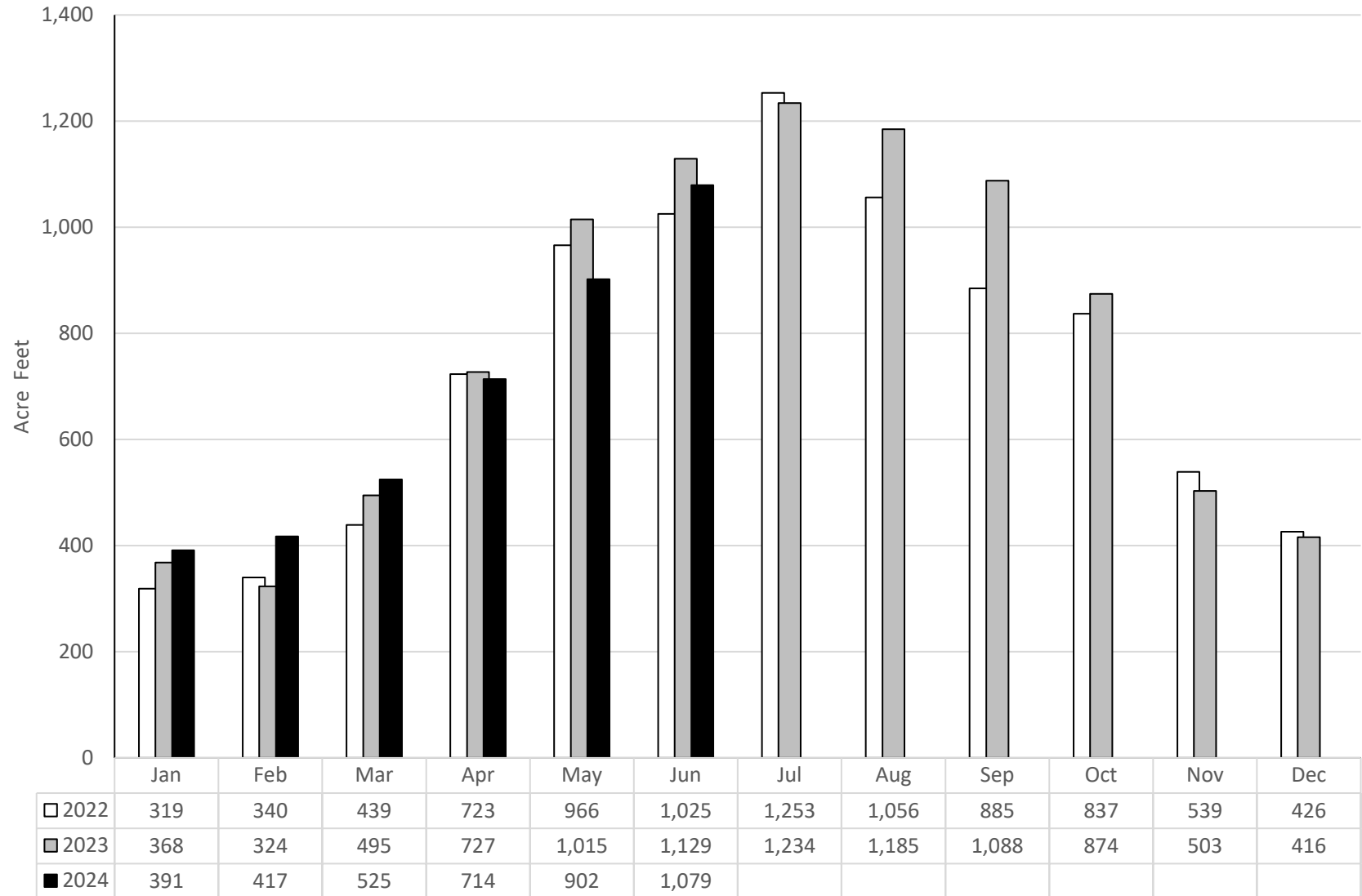
City of Henderson Water Production



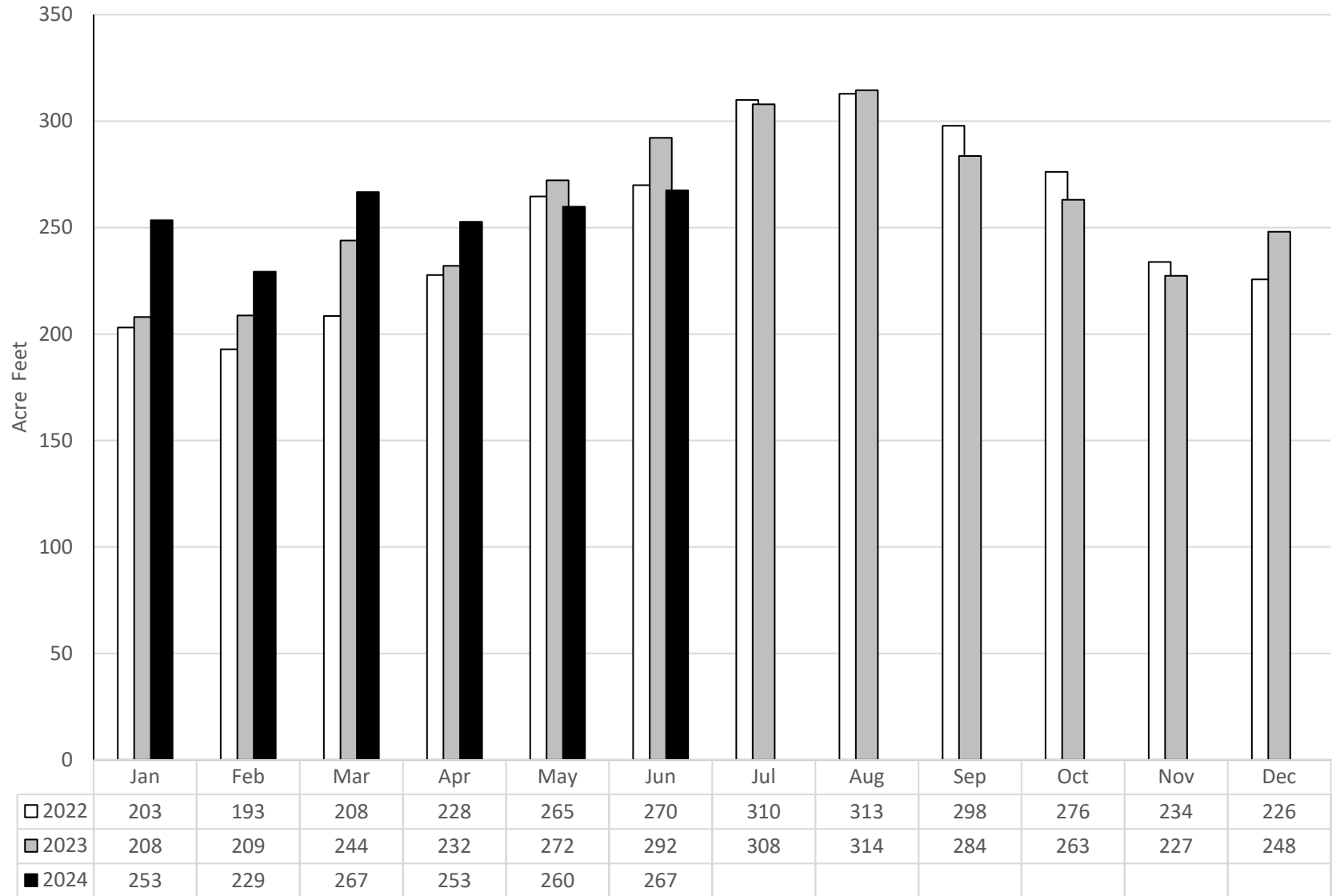
City of North Las Vegas Water Production



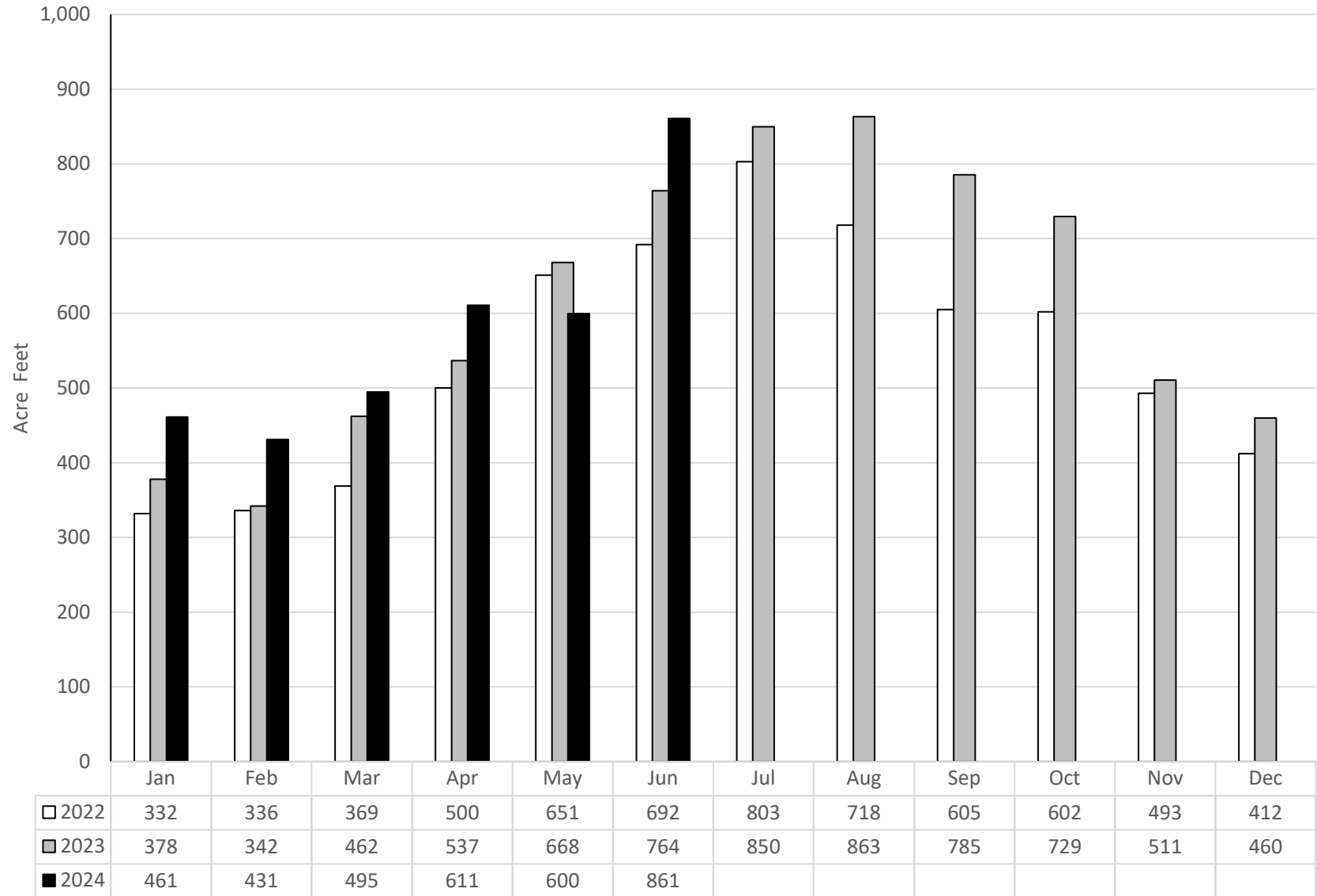
Boulder City Water Production



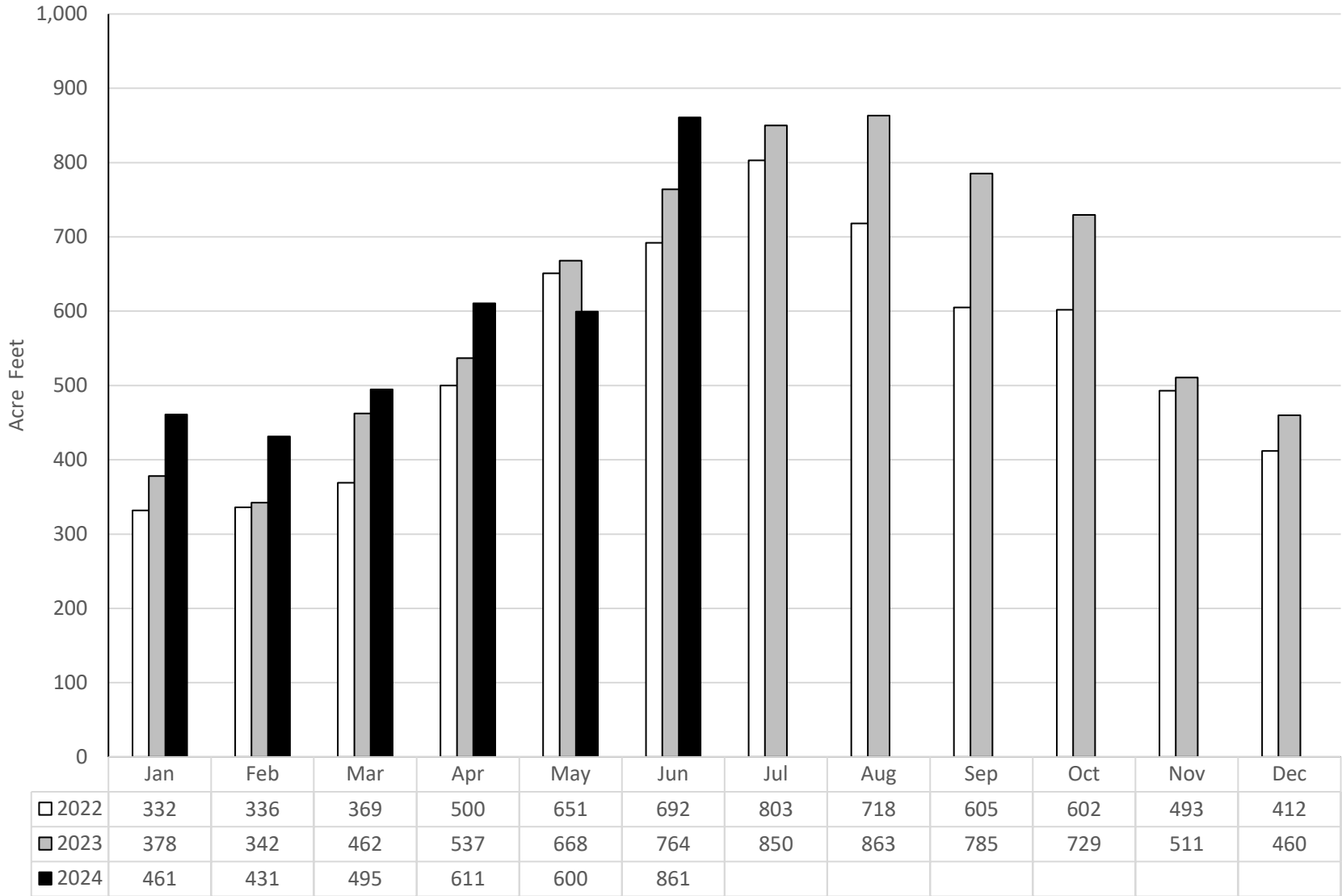
Big Bend Water District Water Production



Virgin Valley Water District Water Production



Moapa Valley Water District Water Production



Historic Trends Influent Wastewater Flows

(Avg. in MGD)

	Clark County Water Reclamation District *			City of Las Vegas			City of North Las Vegas			City of Henderson			Boulder City		
Month	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025
Jan	104.30	107.69	103.10	47.71	45.82	47.86	19.83	20.31	20.34	23.91	23.18	23.25	1.08	1.12	1.09
Feb	103.76	107.97	103.21	48.34	45.46	49.05	19.70	19.91	20.49	24.68	22.68	23.75	1.08	1.09	1.14
Mar	104.62	109.56	105.03	47.70	45.41	48.79	19.71	19.71	20.45	24.20	23.69	24.41	1.08	1.05	1.02
Apr	105.60	111.99	109.04	48.28	45.61	49.05	20.12	20.34	20.62	25.32	24.29	25.00	1.10	1.08	1.04
May	106.36	113.01	110.94	48.04	46.22	49.32	20.40	20.64	20.91	25.02	24.82	24.60	1.14	1.13	1.07
Jun	106.34	114.45	113.39	47.49	46.42	48.99	20.30	20.92	20.96	24.81	25.11	24.71	1.13	1.16	1.07
Jul	110.07	117.75		48.00	47.19		20.80	21.10		26.35	24.80		1.15	1.19	
Aug	111.75	116.15		47.31	47.65		21.37	21.30		26.61	24.97		1.18	1.17	
Sep	115.43	114.48		48.12	47.19		21.10	21.06		26.07	24.77		1.16	1.16	
Oct	111.22	115.54		48.15	46.09		20.62	20.92		26.44	24.71		1.12	1.14	
Nov	109.60	111.76		46.51	45.90		20.45	20.76		25.42	23.82		1.11	1.09	
Dec	109.01	106.42		46.52	47.21		20.32	20.64		23.13	22.86		1.11	1.11	
Average	108.17	112.23	107.45	47.68	46.35	48.84	20.39	20.63	20.63	25.16	24.14	24.29	1.12	1.12	1.07

* Includes estimated .5 MGD NLV

Las Vegas Wash and Colorado River Dischargers (2025)

	Clark County Water Reclamation District*					City of Las Vegas						City of Henderson			City of North Las Vegas		
	(Avg. in MGD)					(Avg. in MGD)						(Avg. in MGD)			(Avg. in MGD)		
	Influent	Main Plant	DBWRC	Total	Effluent to	Influent	WPCF	BMWRC	DHWRC	Total	Effluent to	Influent		Effluent to	Influent		Effluent to
Month	Flow	Reuse	Reuse	Reuse	LV Wash	Flow	Reuse	Reuse	Reuse	Reuse	LV Wash	Flow	Reuse	LV Wash	Flow	Reuse	LV Wash
Jan	103.10	0.45	0.00	0.45	109.06	47.86	0.10	0.00	0.00	0.10	47.12	23.25	4.03	20.72	20.34	0.08	19.32
Feb	103.21	0.71	0.00	0.71	108.42	49.05	0.21	0.00	0.00	0.21	47.01	23.75	4.01	20.40	20.49	0.17	19.03
Mar	105.03	0.42	0.00	0.42	110.87	48.79	0.12	0.00	0.00	0.12	46.62	24.41	4.70	20.12	20.45	0.32	18.81
Apr	109.04	0.87	0.00	0.87	111.71	49.05	0.28	0.00	0.00	0.28	46.54	25.00	8.13	16.71	20.62	0.66	18.65
May	110.94	1.49	0.00	1.49	114.48	49.32	0.30	0.00	0.00	0.30	46.79	24.60	8.52	16.18	20.91	0.68	18.99
Jun	113.39	2.12	0.00	2.12	115.23	48.99	0.74	0.00	0.00	0.74	45.12	24.71	9.08	15.59	20.96	0.86	18.86
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
Average	107.45	1.01	0.00	1.01	111.63	48.84	0.29	0.00	0.00	0.29	46.53	24.29	6.41	18.29	20.63	0.46	19.12

Net to LV Wash is measured effluent at each treatment plant

Las Vegas Wash and Colorado River Dischargers (2025)

	Las Vegas Wash Discharge (Avg in MGD)			Discharge Directly to Colorado River (Avg in MGD)			Total Discharge (Totals in A/F)
	Influent Flow	Reuse	Effluent to LV Wash	Laughlin Influent Flow	Laughlin Reuse	Net to River	Effluent Flow
Month							
Jan	194.55	4.66	196.22	1.46	0.00	1.29	18,790.21
Feb	196.50	5.10	194.86	1.49	0.00	1.31	17,458.86
Mar	198.68	5.56	196.42	1.51	0.00	1.31	17,597.17
Apr	203.71	9.93	193.61	1.56	0.00	1.31	17,347.08
May	205.77	10.98	196.44	1.56	0.00	1.31	17,598.95
Jun	208.05	12.79	194.80	1.67	0.00	1.31	17,336.76
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
Annual Avg	201.21	8.17	195.39	1.54	0.00	1.30	106129.03

Historic Trends Influent Wastewater Flows

	Searchlight			Blue Diamond			MVWRC			Laughlin			Mesquite			Indian Springs		
Month	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025
Jan	0.039	0.045	0.043	0.019	0.009	0.010	0.155	0.169	0.154	1.52	1.37	1.46	1.89	2.15	2.28	0.106	0.117	0.121
Feb	0.040	0.045	0.047	0.009	0.010	0.110	0.163	0.178	0.153	1.51	1.49	1.49	1.90	2.06	2.29	0.098	0.110	0.130
Mar	0.042	0.039	0.047	0.016	0.011	0.016	0.171	0.183	0.165	1.58	1.51	1.51	1.94	2.11	2.27	0.138	0.115	0.134
Apr	0.040	0.038	0.047	0.016	0.012	0.012	0.174	0.189	0.150	1.58	1.49	1.56	1.91	2.11	2.28	0.139	0.118	0.128
May	0.041	0.042	0.043	0.016	0.012	0.014	0.165	0.170	0.149	1.62	1.56	1.56	1.83	2.10	2.28	0.145	0.136	0.127
Jun	0.042	0.045	0.045	0.015	0.009	0.013	0.147	0.152	0.129	1.75	1.74	1.67	1.84	2.14	2.24	0.150	0.125	0.123
Jul	0.042	0.046		0.011	0.008		0.142	0.147		1.96	1.88		1.93	2.14		0.157	0.133	
Aug	0.042	0.044		0.013	0.012		0.138	0.147		1.80	1.78		1.96	2.15		0.191	0.135	
Sep	0.041	0.042		0.015	0.015		0.147	0.146		1.70	1.62		1.90	2.09		0.156	0.130	
Oct	0.041	0.042		0.014	0.027		0.144	0.148		1.55	1.65		1.99	2.26		0.151	0.127	
Nov	0.042	0.045		0.012	0.034		0.158	0.153		1.37	1.35		2.11	2.25		0.146	0.122	
Dec	0.039	0.043		0.010	0.012		0.158	0.153		1.39	1.43		1.96	2.20		0.159	0.114	
Average	0.041	0.043	0.045	0.014	0.014	0.029	0.155	0.161	0.150	1.61	1.57	1.54	1.93	2.15	2.27	0.145	0.124	0.127

Water Production (2025)

(Totals in AF)

	Las Vegas Valley Water District			City of Henderson			City of North Las Vegas			Boulder City			Nellis Air Force Base			Totals	
Month	WELLS	SNWS	TOTAL	SNWS	BMI	TOTAL	WELLS	SNWS	TOTAL	RMTP	SNWS	TOTAL	WELL	SNWS	TOTAL	WELLS	SNWS
Jan	1	20,260	20,261	5,463	0	5,463	526	3,553	4,078	96	295	391	7.89	54	62	534	29,721
Feb	8	18,394	18,402	4,819	0	4,819	439	3,237	3,676	108	309	417	7.45	49	57	455	26,916
Mar	7	23,210	23,217	6,150	0	6,150	377	3,982	4,359	156	369	525	7.17	61	68	391	33,928
Apr	14	25,333	25,347	6,835	0	6,835	277	4,384	4,660	255	459	714	5.61	60	66	296	37,326
May	4,595	25,345	29,940	8,359	0	8,359	273	5,075	5,347	330	572	902	5.15	67	72	4,873	39,748
Jun	8,042	25,515	33,557	9,766	0	9,766	318	5,482	5,800	410	670	1,079	7.79	76	84	8,368	41,919
Jul																	
Aug																	
Sep																	
Oct																	
Nov																	
Dec																	
YTD	12,667	138,057	150,724	41,393	0	41,393	2,209	25,711	27,920	1,354	2,675	4,029	41	368	409	14,917	209,559

Boulder City DOES NOT
include water delivered
to National Park Service
SNWS - NPS =SNWS

Historic Trends Water Production

(Totals in AF)

	Las Vegas Valley Water District			City of Henderson			City of North Las Vegas			Boulder City			Big Bend Water District			Virgin Valley Water District			Moapa Valley Water District		
Month	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025
Jan	19,316	19,344	20,261	4,664	4,428	5,463	3,728	3,858	4,078	319	368	391	203	208	253	332	378	461	120	140	135
Feb	17,953	17,550	18,402	4,347	4,277	4,819	3,534	3,428	3,676	340	324	417	193	209	229	336	342	431	126	122	137
Mar	21,713	22,005	23,217	5,432	5,722	6,150	4,084	4,097	4,359	439	495	525	208	244	267	369	462	495	148	168	203
Apr	25,292	24,663	25,347	6,294	6,487	6,835	4,587	4,516	4,660	723	727	714	228	232	253	500	537	611	214	218	218
May	31,526	31,029	29,940	8,731	8,728	8,359	5,662	5,526	5,347	966	1,015	902	265	272	260	651	668	600	252	245	250
Jun	32,436	34,507	33,557	9,120	9,704	9,766	5,756	5,942	5,800	1,025	1,129	1,079	270	292	267	692	764	861	261	305	271
Jul	37,915	38,146		10,452	11,008		6,520	6,564		1,253	1,234		310	308		803	850		348	335	
Aug	34,850	38,158		9,962	11,073		6,184	6,608		1,056	1,185		313	314		718	863		295	316	
Sep	29,061	31,842		7,795	9,234		5,265	5,772		885	1,088		298	284		605	785		254	312	
Oct	27,531	29,371		7,244	8,262		5,117	5,424		837	874		276	263		602	729		217	243	
Nov	21,799	22,258		5,657	6,258		4,279	4,397		539	503		234	227		493	511		177	177	
Dec	20,087	20,810		4,958	5,534		4,904	4,204		426	416		226	248		412	460		160	153	
ANNUAL	319,479	329,683	150,724	84,656	90,714	41,393	59,619	60,334	27,920	8,813	9,357	4,029	3,023	3,102	1,529	6,512	7,349	3,458	2,571	2,733	1,214

Wastewater/Water Production Ratios

	City of Las Vegas/Clark County			City of Henderson			City of North Las Vegas			Boulder City			Big Bend Water District			All Entities		
Month	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025	2023	2024	2025
Jan	0.67	0.67	0.71	0.48	0.49	0.40	0.45	0.44	0.47	0.25	0.26	0.27	0.70	0.63	0.55	0.60	0.60	0.62
Feb	0.64	0.65	0.71	0.45	0.45	0.42	0.43	0.42	0.48	0.22	0.22	0.24	0.60	0.62	0.56	0.58	0.58	0.62
Mar	0.58	0.56	0.63	0.40	0.38	0.38	0.39	0.38	0.45	0.18	0.18	0.18	0.62	0.69	0.54	0.52	0.50	0.55
Apr	0.49	0.51	0.57	0.33	0.33	0.34	0.34	0.34	0.41	0.13	0.13	0.13	0.60	0.61	0.57	0.44	0.45	0.50
May	0.42	0.42	0.51	0.26	0.27	0.28	0.29	0.30	0.37	0.11	0.10	0.11	0.58	0.61	0.57	0.37	0.37	0.44
Jun	0.37	0.38	0.45	0.24	0.23	0.23	0.27	0.27	0.33	0.09	0.09	0.09	0.54	0.53	0.57	0.33	0.33	0.38
Jul	0.38	0.39		0.25	0.24		0.27	0.27		0.09	0.10		0.67	0.57		0.34	0.34	
Aug	0.38	0.42		0.25	0.26		0.27	0.30		0.09	0.12		0.55	0.55		0.34	0.37	
Sep	0.42	0.45		0.27	0.28		0.31	0.33		0.10	0.11		0.53	0.55		0.38	0.40	
Oct	0.49	0.53		0.34	0.31		0.34	0.36		0.13	0.13		0.59	0.61		0.44	0.46	
Nov	0.58	0.63		0.40	0.39		0.38	0.41		0.17	0.20		0.53	0.66		0.51	0.55	
Dec	0.67	0.69		0.47	0.44		0.43	0.45		0.24	0.27		0.64	0.68		0.60	0.61	
AVG.	0.48	0.50	0.58	0.32	0.32	0.33	0.34	0.34	0.41	0.13	0.14	0.15	0.59	0.61	0.56	0.43	0.44	0.50

Water Production and Waste Flows

Monthly Flows in A/F

	CLV and Clark County Monthly Flow in AF		City of Henderson Monthly Flow in AF		City of North Las Vegas Monthly Flow in AF		Boulder City Monthly Flow in AF		Big Bend Water District Monthly Flow in AF		All Entities Monthly Flow in AF	
Month	Water Production	Waste Flow	Water Production	Waste Flow	Water Production	Waste Flow	Water Production	Waste Flow	Water Production	Waste Flow	Water Production	Waste Flow
Jan	20,261	14,362	5,463	2,212	4,078	1,935	391	104	253	138	30,447	18,751
Feb	18,402	13,084	4,819	2,041	3,676	1,761	417	102	229	128	27,544	17,115
Mar	23,217	14,634	6,150	2,322	4,359	1,946	525	97	267	144	34,518	19,142
Apr	25,347	14,555	6,835	2,302	4,660	1,898	714	96	253	144	37,809	18,994
May	29,940	15,246	8,359	2,340	5,347	1,989	902	102	260	148	44,808	19,826
Jun	33,557	14,950	9,766	2,275	5,800	1,930	1,079	99	267	154	50,470	19,407
Jul												
Aug												
Sep												
Oct												
Nov												
Dec												
YTD	150,724	86,830	41,393	13,492	27,920	11,459	4,029	598	1,529	856	225,596	113,235

Recharge and Recovery

Monthly Flows In Acre-Feet

Month	Recharged			Recovered			
	LVVWD	NLV	Total	LVVWD	LV Paiute	NLV	Total
Jan	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0
Jul							
Aug							
Sep							
Oct							
Nov							
Dec							
Total 2025	0	0	0	0	0	0	0
Total 2024	0	0	0	964	0	0	0
Total 2023	0	0	0	639	0	0	0

Non-Discharging Facilities

Month	Boulder City			
	(Avg. in MGD)		(Total in MG)	
	Influent Flow	Reuse	Influent Flow	Reuse
Jan	1.09	0.01	33.8	0.31
Feb	1.14	0.00	33.1	0.00
Mar	1.02	0.06	31.6	1.86
Apr	1.04	0.2	31.2	6
May	1.07	0.28	33.20	8.68
Jun	1.07	0.19	32.10	5.70
Jul				
Aug				
Sep				
Oct				
Nov				
Dec				
Average	1.07	0.12	32.50	3.76