

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 November 3, 2021

MEMBERS	Present	Absent
Clark County (2 Members)		
John Solvie (Member)	X	
Ebrahim Juma (Member)	X	
Joseph Leedy (Alternate)	X	
Sara Gedo (Alternate)	X	
City of Las Vegas (3 Members)		
Mark Dunbar (Member)	X	
John Bettencourt (Member)	X	
Sharon Harney (Member)		X
Nalleli Herrera (Alternate)		X
Charles Trushel (Alternate)	X	
Dan Combs (Alternate)		X
City of Henderson (2 Members)		
Adrian Edwards (Member)	X	
VACANT (Member)		
Kyle Okamura (Alternate)		X
VACANT (Alternate)		
City of North Las Vegas (1 Member)		
Frazier Speaks (Member)		X
Daniel Ybarra (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)		
VACANT (Member)		
Jim Keane (Alternate)	X	

Guests Present

Rodriguez, AJ

CCWRD

Sumanis, Abigail	CCWRD
Lee, Charlie	CCWRD
Carlson, Brian	City of Henderson
Sutherland, Jill	RCI
Smith, Erin	RCI
Zonge, Lynn	RCI
Grant, Brendon	NDEP, Bureau of Safe Drinking Water

1. CALL TO ORDER

The Sewage and Wastewater Advisory Committee (SWAC) meeting was called to order by Chair Dan Fischer, Clark County Water Reclamation District at 9:01 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 AUGUST 4, 2021

Charles Trushel moved and Todd Tietjen seconded to accept the August 4, 2021 minutes. The motion was unanimously approved.

4. APPROVAL OF AGENDA

Adrian Edwards moved and Mark Dunbar seconded to approve the agenda. The motion was unanimously approved.

5. INTEGRATED SOURCE WATER PROTECTION PROGRAM PRESENTATION

Jill Sutherland and Lynn Zonge from Resource Concepts Inc. provided an update on the Nevada Division of Environmental Protection’s Integrated Source Water Protection Program.

6. DISCUSSION OF QUARTERLY FLOW REPORT

The group discussed the flow report for the third quarter of 2021:

- The Q2 flow report reported CCWRD main plant reuse totals that were well below the average. There was a reporting error in the Q2 data that is now corrected.
- City of Henderson noted an increase in influent flows and are investigating the cause.
- CCWRD influent flows have also increased over the past few months, likely due to increased activity of the Strip.
- In July 2021, CCWRD recorded the highest monthly average influent flow of 114 MGD at the Flamingo Plant.

7. MEMBER UPDATES

A. Moapa Valley Water District

- Nothing to report.

B. Las Vegas Valley Water District

- Met with MWD to discuss water reuse efforts.
- The Water District has switched back to flat pumping for winter.
- The new lateral pipeline to go across the south end of Henderson is still in design.

C. Boulder City

- Hired consultant to do a SCADA upgrade to all City utilities: wastewater, water, and electric. Part of the upgrade will include a fiberoptic masterplan.
- Developing scopes of work from consultants for a manhole rehabilitation project and lift station upgrades.
- The Utilities Director position is still open and has not been filled.

D. Virgin Valley Water District

- In process of designing treatment plants that will accompany two newly constructed water wells.

E. City of Mesquite

- N/A

F. City of Las Vegas

- HR is working through significant staffing changes. Within the past 12 months, 15 employees were recently hired or promoted; 9 positions remain open.
- Open recruitment for a new Plant Manager to replace Mark Dunbar who will be retiring on February 1, 2022.
- O&M Updates:
 - Awarded a new FOGG vendor, who will inject Fats Oils and Grease into the digesters to facilitate an increase methane production.
 - Installing a test polymer blend system to compare against the existing custom system, with the goal to assess the efficiency of the polymer usage.
 - Anticipate multiple shutdowns this winter in order to perform necessary rehabilitation and maintenance. Major maintenance is scheduled at the BNR facility.
- CIP Updates:
 - BNR rehabilitation project is 90% complete.
 - Digester rehabilitation project is 95% complete.
 - Filtration rehabilitation project is 10% complete.
 - Dewatering building rehabilitation project is working towards 60% design.

G. Clark County Water Reclamation District

- Collection System Updates:
 - Whitney Lift Station project is estimated to be 90% complete.
 - Lincoln Lift Station project is estimated to be 90% complete.
 - Diverted flow from the District's major interceptors in order to clean the pipes. Debris was conveyed to the District's headworks facility.
- Flamingo Plant Updates:
 - Construction activities are on-going.
 - Sludge thickeners and Archimedes screw pumps have been demolished.
 - HR is in the process of filling multiple open positions.

H. City of North Las Vegas

- Working with consultant to optimize the BNR process at the main plant.
- Sludge conveyance project is moving forward despite material delays.
- Phase I of the membrane coating project is underway.
- The flow equalization project is scheduled to go out for bid later this year.
- In-house updates: Start scheduling buyer reactor inspection and maintenance.

I. City of Henderson

- Staffing updates:
 - Brian Carlson was promoted to the Wastewater Operations Manager.
 - A new Wastewater Assistant Manager was hired.
- The Lake Las Vegas lift station project is 90% complete; the new pumps are installed and running.
- Phase 4 project at the WRD is moving along. Established a plan to expand plant capacity by 8 MGD and reduce bottlenecks at the headworks facility.
- Henderson manages a 15 MGD water treatment plant that supplies about 15% of the water delivered to the City of Henderson. Raw lake water is removed through the BMI intake. Henderson is struggling with water quality due to declining Lake levels.
- WRF Updates:
 - Repairs to the oxidation ditch aerator decks. The undersides need recoating and assessment. The project will require some internal flow diversions.
 - Experiencing seasonal reuse challenges at the plant. The strategy is discharge reuse into the Pittman Wash at the SWRF facility, in order to reduce the seasonal WRF influent level by 5 MG. The facility can handle 21 to 22 MGD internally.

8. CLARK COUNTY UPDATE

- Selenium: Fish collection has been completed and is undergoing tissue testing. The project is on track to submit a site-specific standards proposal for Las Vegas Wash and tributaries to NDEP by mid-2022.
- Draft MS4 Permit: Awaiting updated draft in response to MS4 co-permittee comments.
- Draft Construction General Stormwater Permit: Awaiting updated draft in response to MS4 co-permittee comments.
- Public Outreach: Statewide proclamations in October by Clark County, State of Nevada, Regional Flood, and City of Henderson for Stormwater Pollution Awareness Month. Included numerous outreach events and activities.

9. MEMBER VACANCIES

- A. City of Henderson – 1 member vacancy; 1 alternate vacancy
- B. Virgin Valley Water District – 1 member vacancy
- C. Boulder City – 1 member vacancy

10. COMMENTS BY THE GENERAL PUBLIC - None

11. SCHEDULE NEXT MEETING

The next meeting is scheduled for February 9, 2022 at 9:00 am. A meeting invite will be sent out.

12. ADJOURNMENT

The meeting was adjourned at 10:13 am.

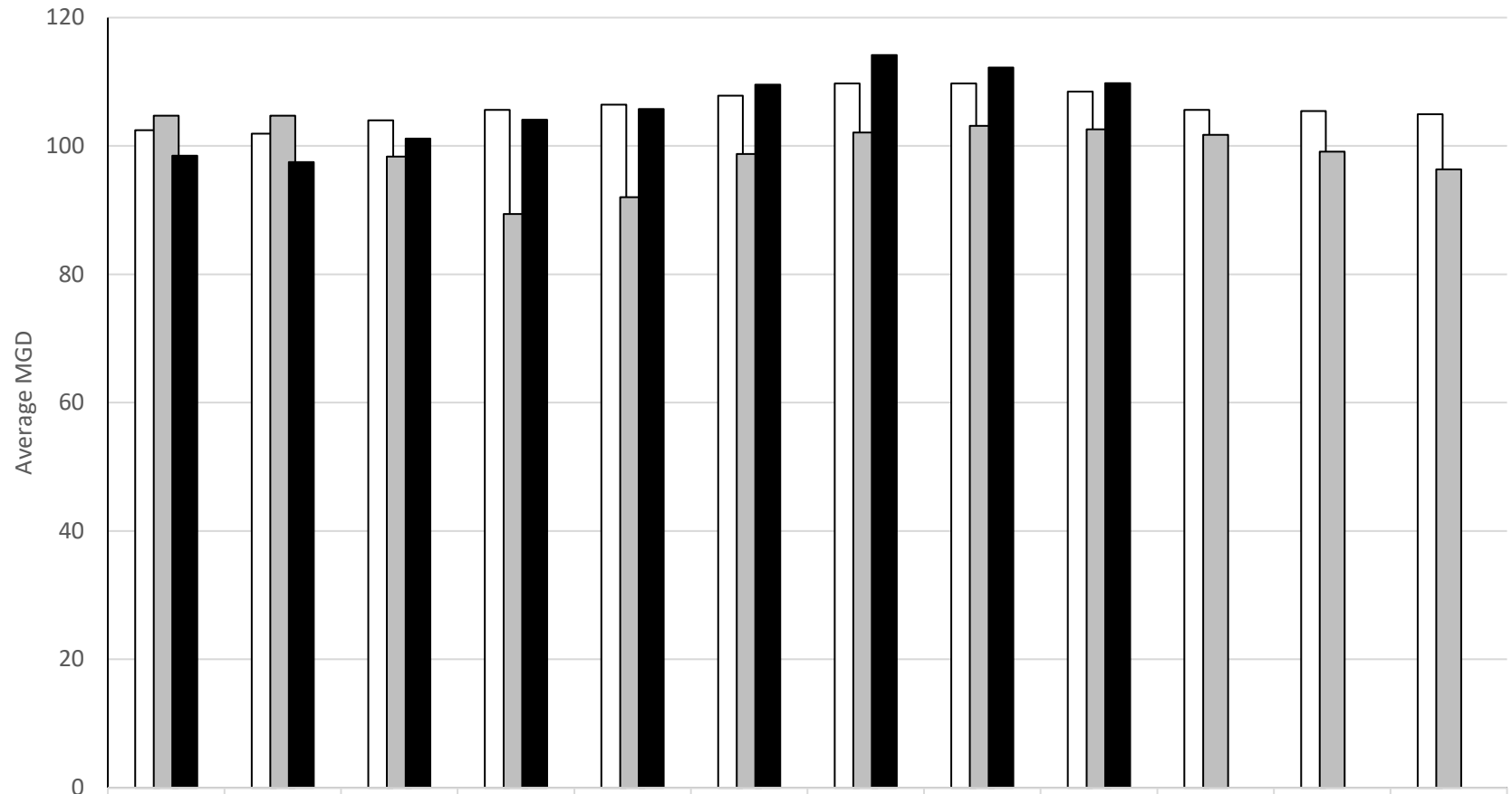
2021
3rd Quarter Flow Report
For
Clark County Sewage
And
Wastewater Advisory
Committee
(SWAC)

October 28, 2021

Wastewater Flows

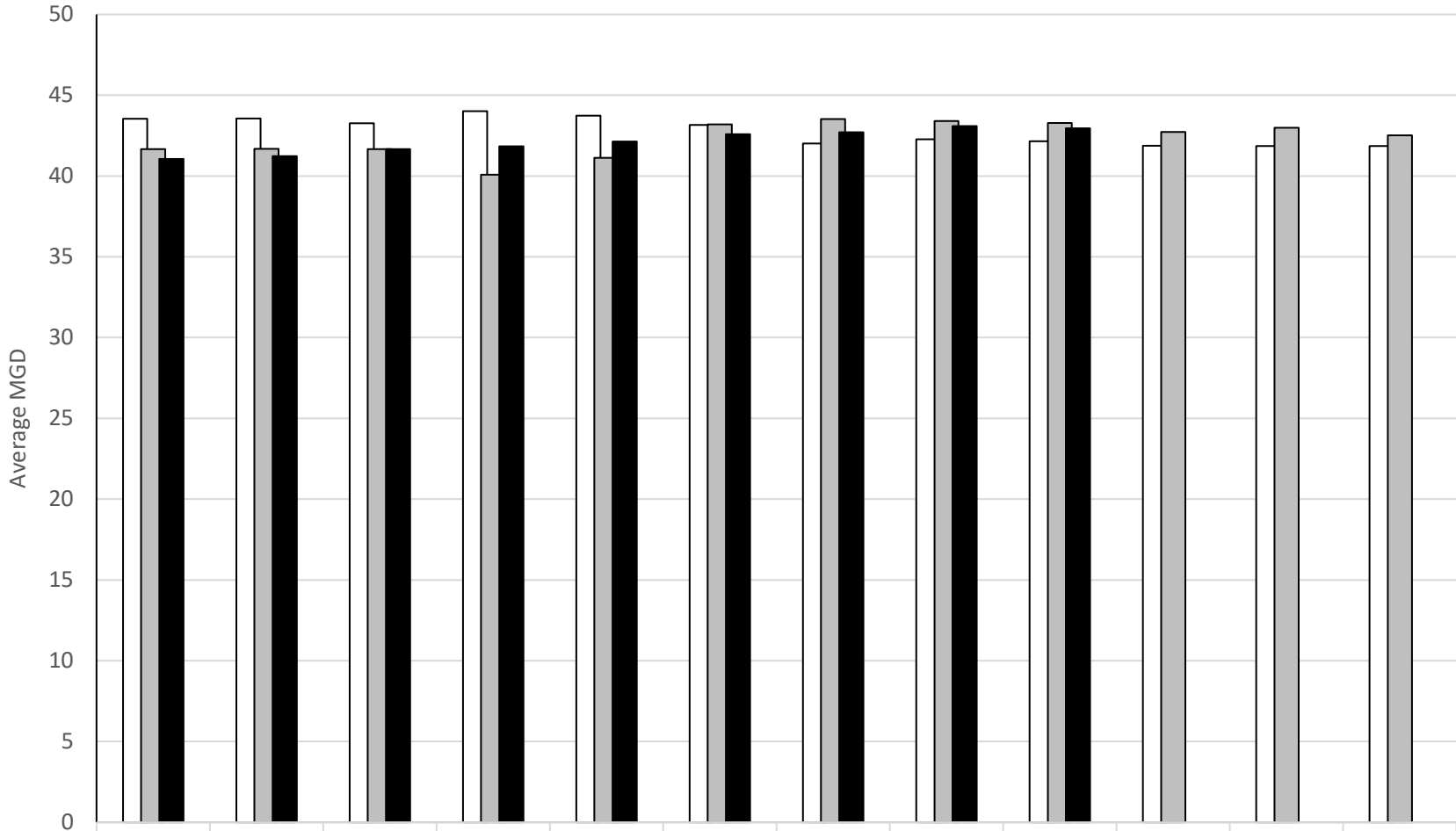
2019 through 2021

Clark County Water Reclamation District Wastewater Flows



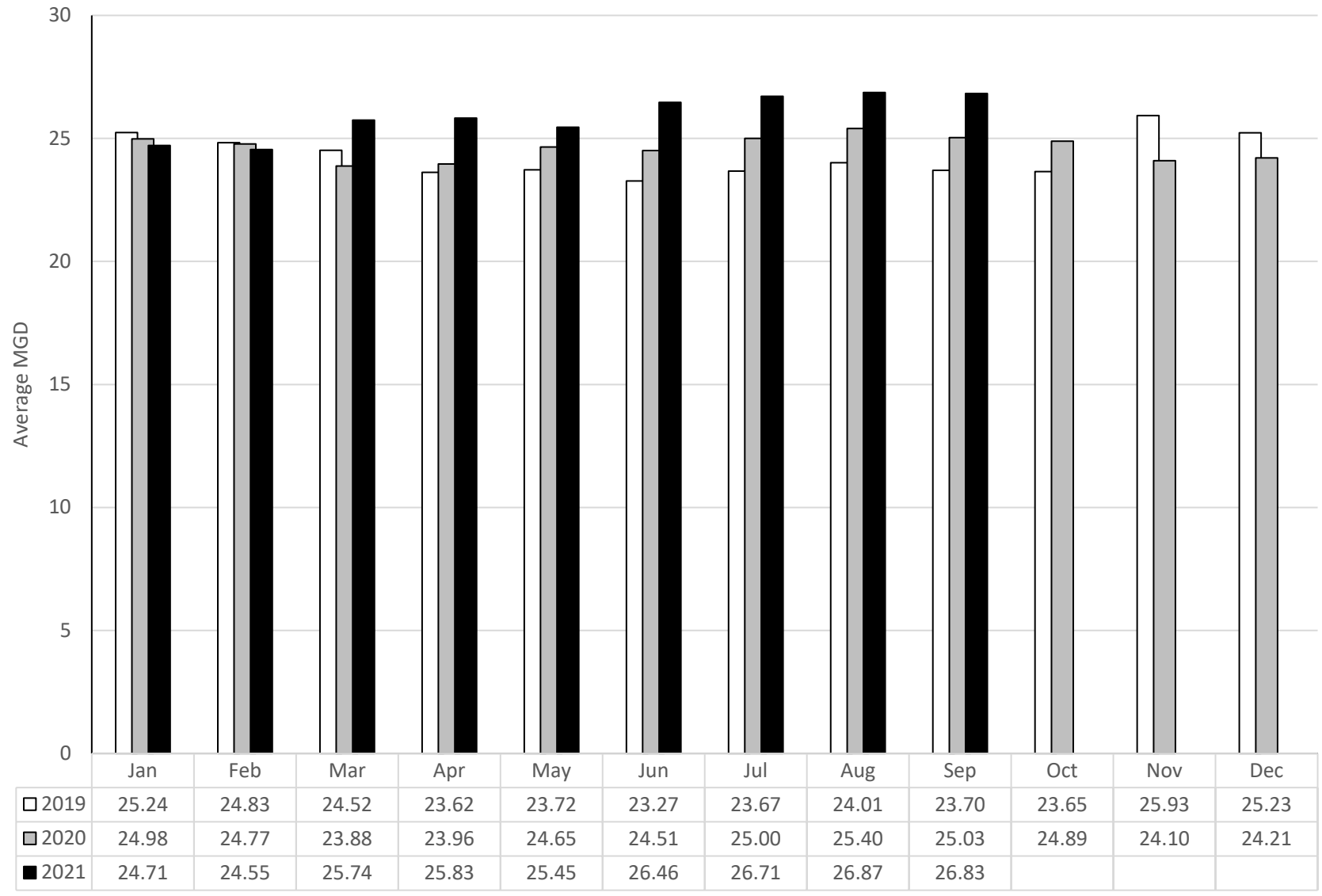
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	102.48	101.90	104.00	105.63	106.42	107.84	109.74	109.74	108.48	105.63	105.45	104.93
2020	104.74	104.72	98.35	89.42	92.00	98.74	102.12	103.15	102.59	101.73	99.13	96.37
2021	98.48	97.50	101.17	104.07	105.77	109.55	114.18	112.23	109.79			

City of Las Vegas Wastewater Flows

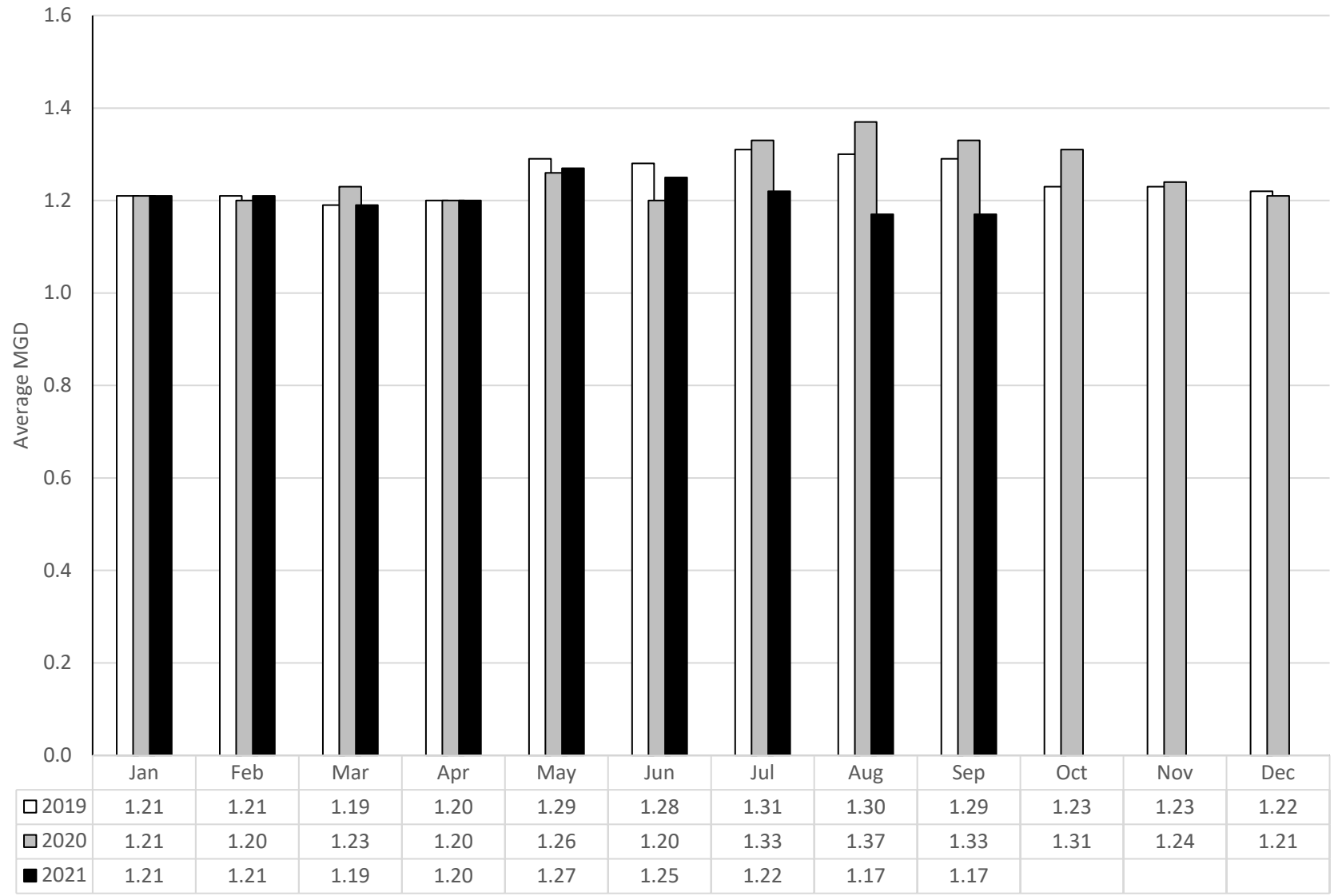


	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
□ 2019	43.54	43.56	43.27	44.01	43.74	43.17	42.02	42.27	42.15	41.87	41.85	41.86
■ 2020	41.67	41.68	41.67	40.09	41.13	43.20	43.52	43.41	43.28	42.73	42.99	42.52
■ 2021	41.06	41.23	41.67	41.84	42.14	42.58	42.71	43.10	42.95			

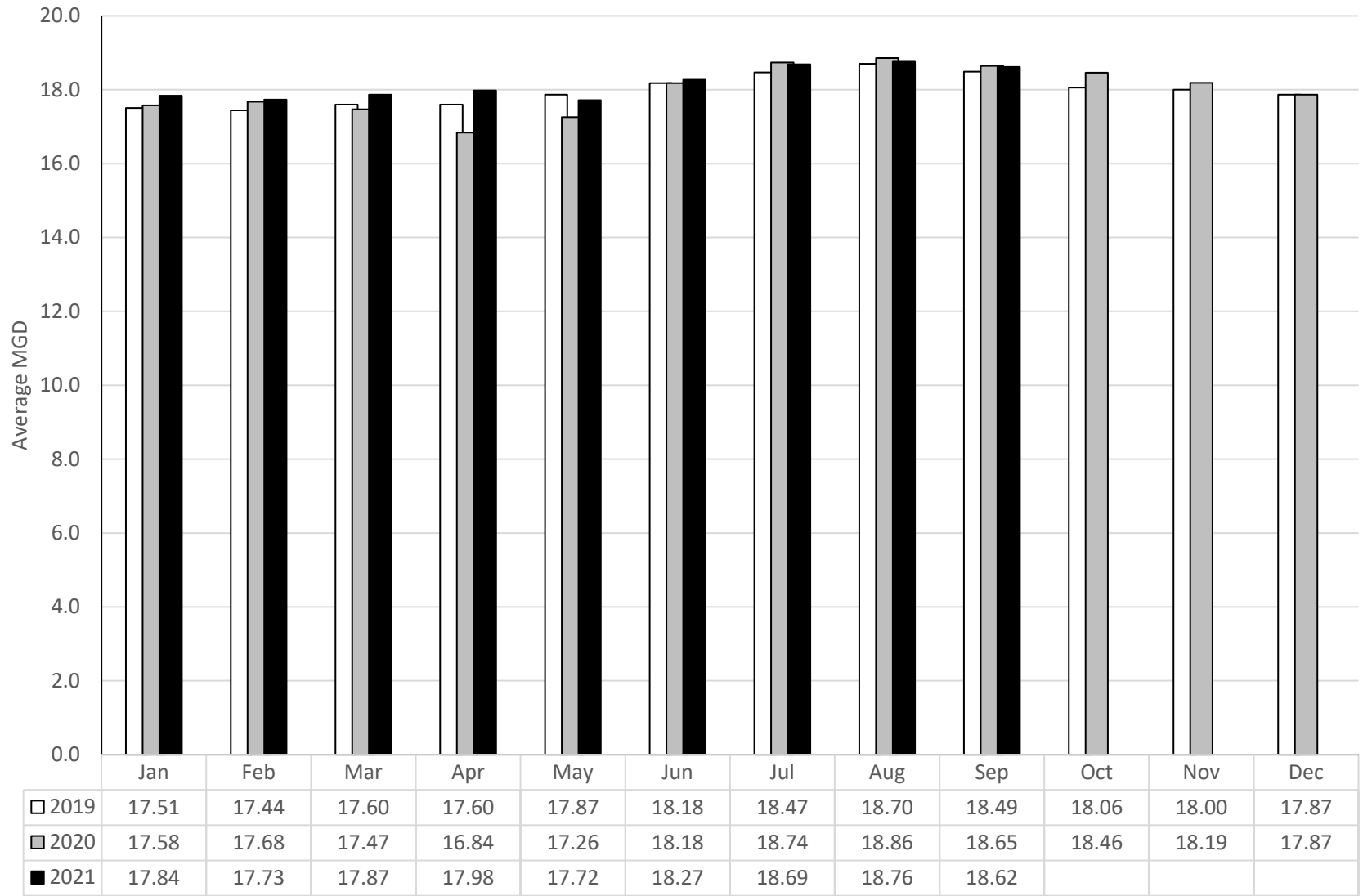
City of Henderson Wastewater Flows



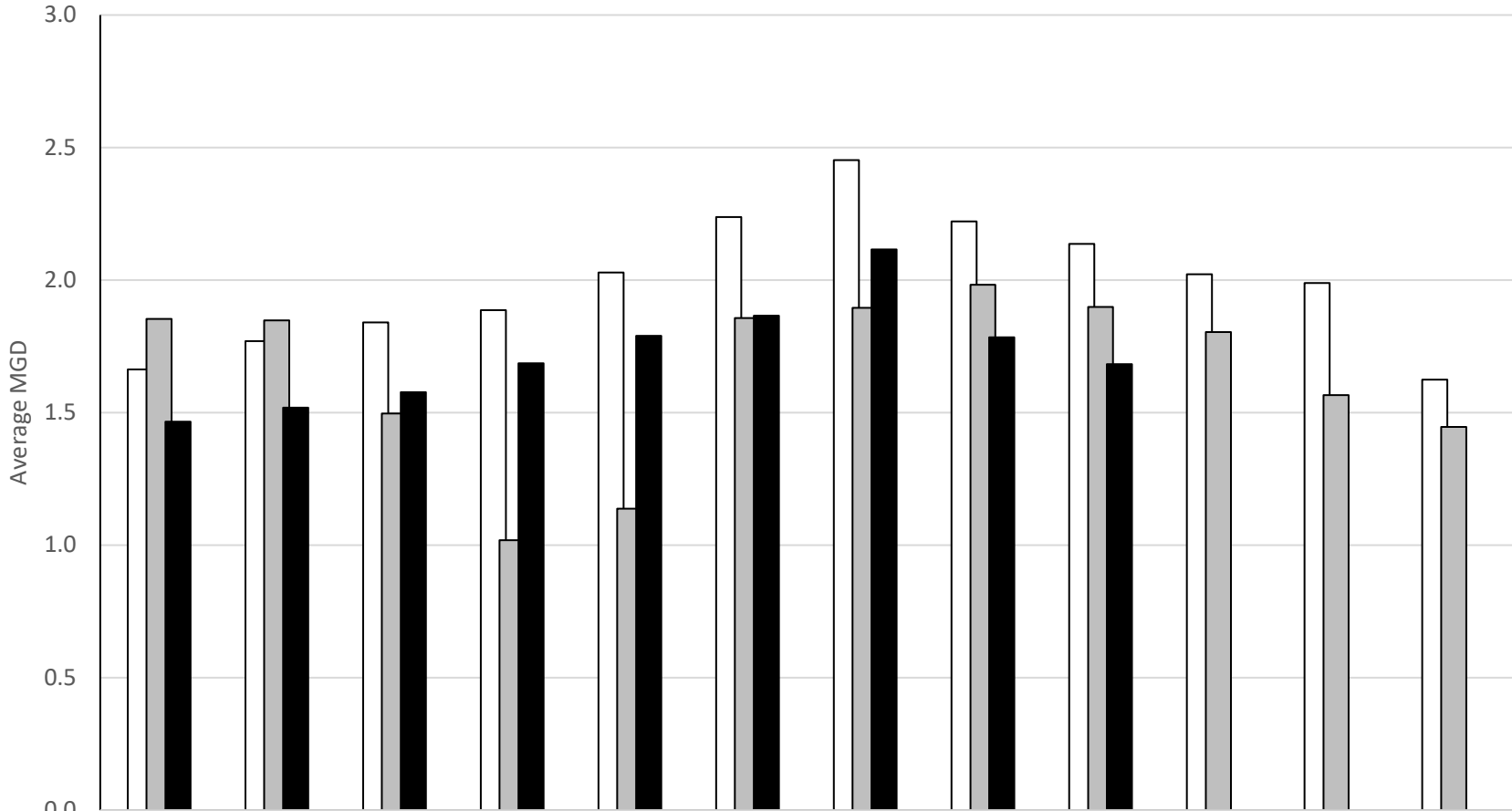
Boulder City Wastewater Flows



City of North Las Vegas Wastewater Flows

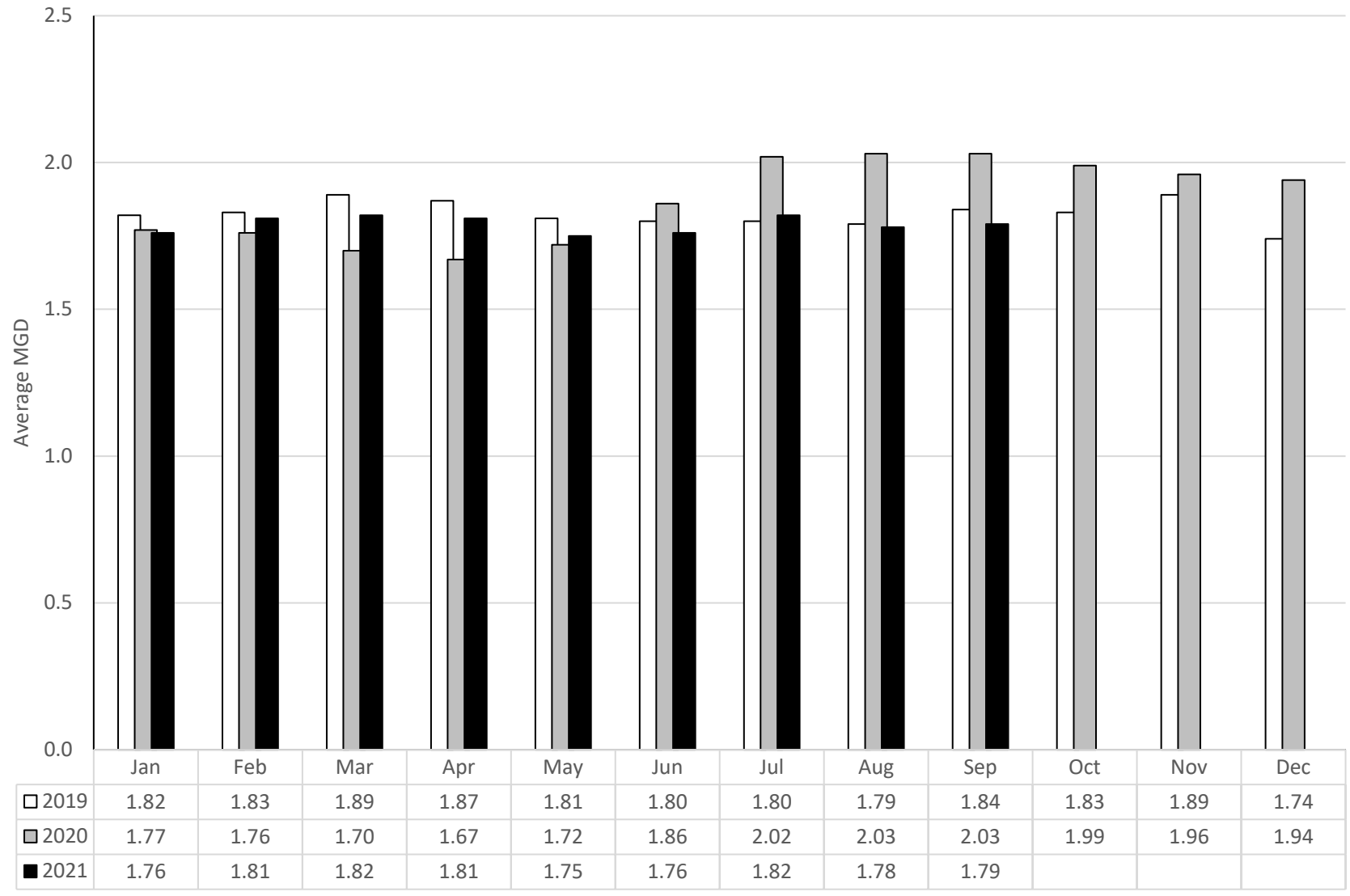


Laughlin Wastewater Flows

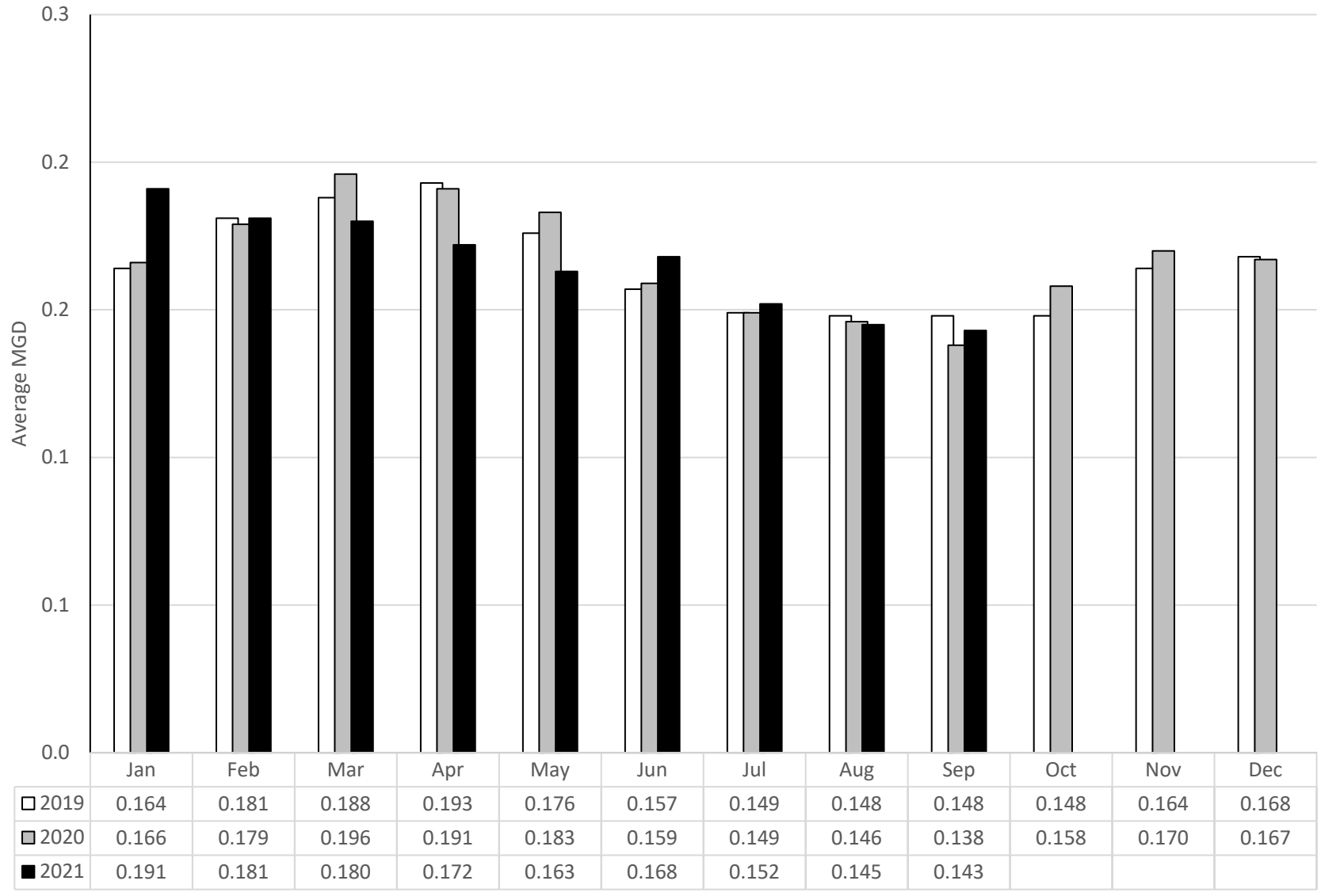


	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2019	1.66	1.77	1.84	1.89	2.03	2.24	2.45	2.22	2.14	2.02	1.99	1.62
2020	1.85	1.85	1.50	1.02	1.14	1.86	1.90	1.98	1.90	1.80	1.57	1.45
2021	1.47	1.52	1.58	1.69	1.79	1.87	2.12	1.78	1.68			

City of Mesquite Wastewater Flows



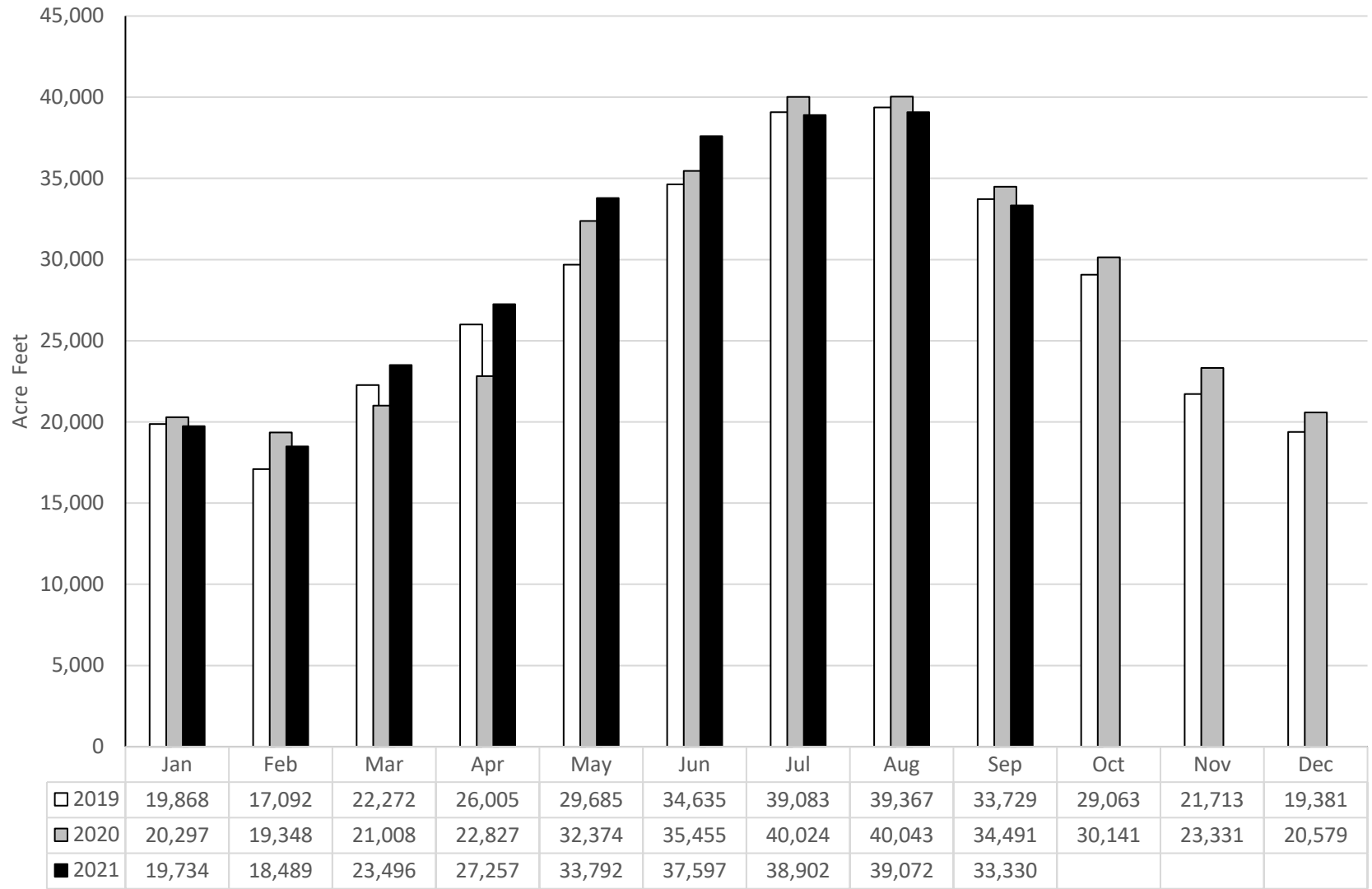
Moapa Wastewater Flows



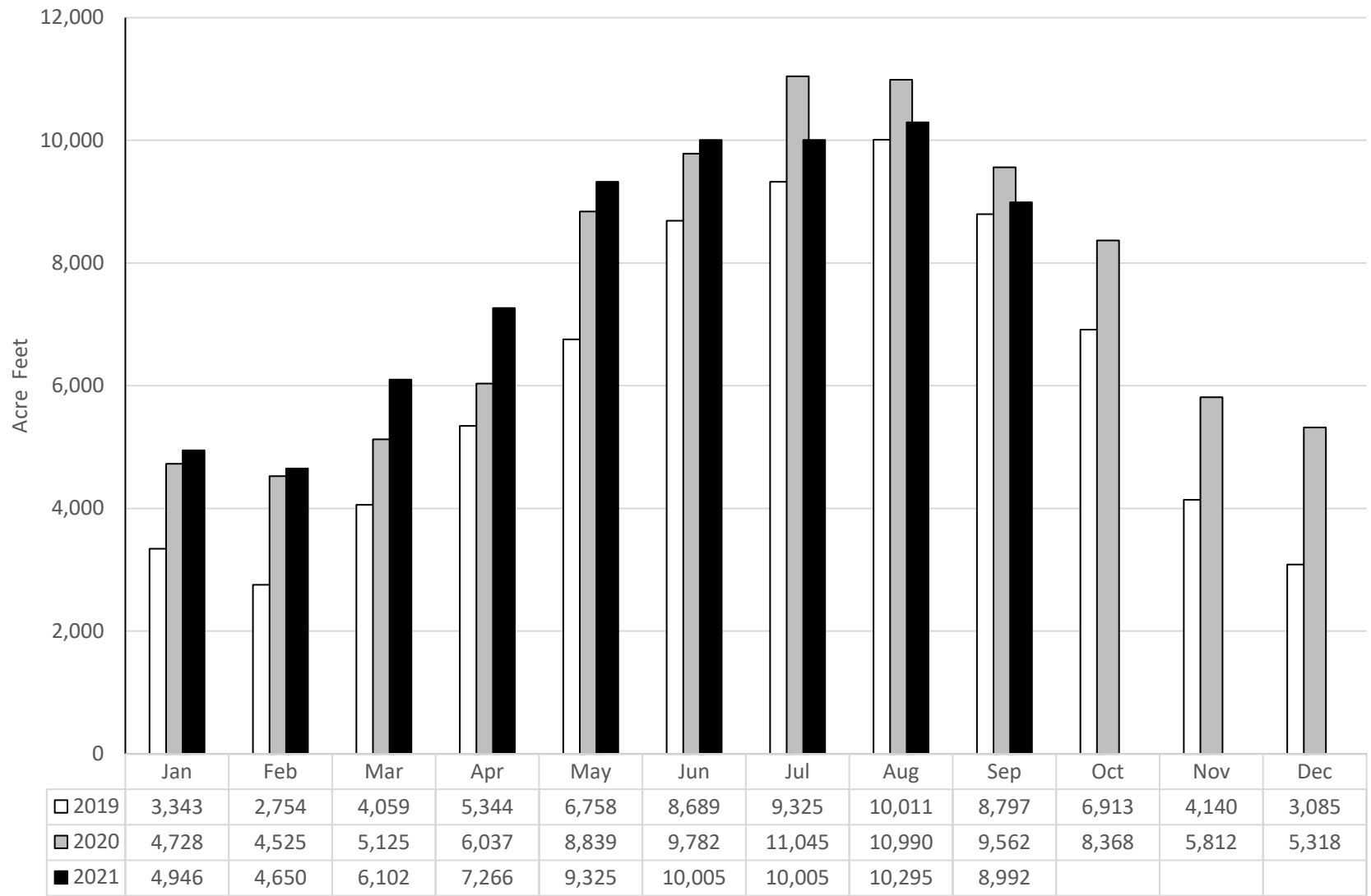
Water Production

2019 through 2021

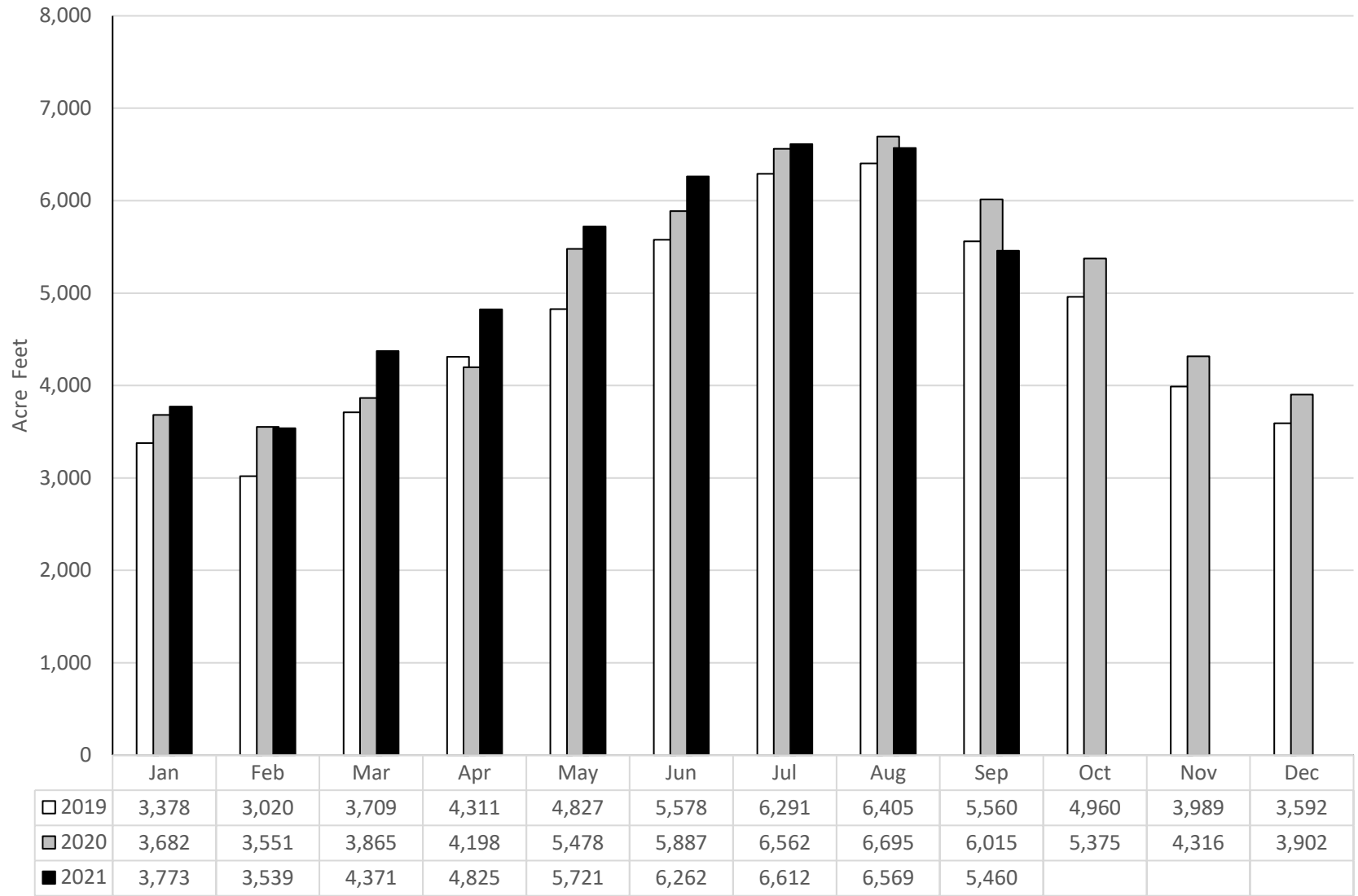
Las Vegas Valley Water District Water Production



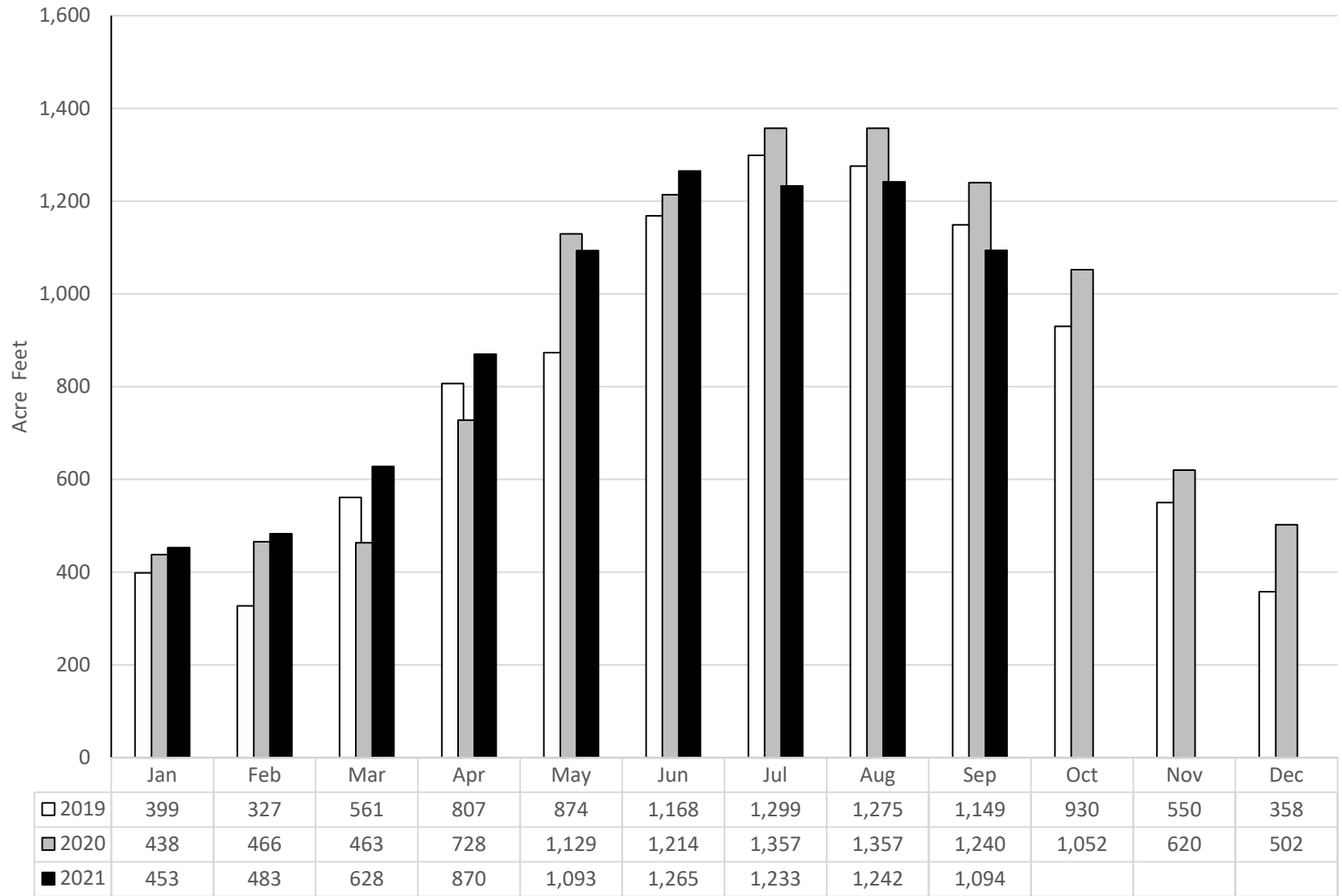
City of Henderson Water Production



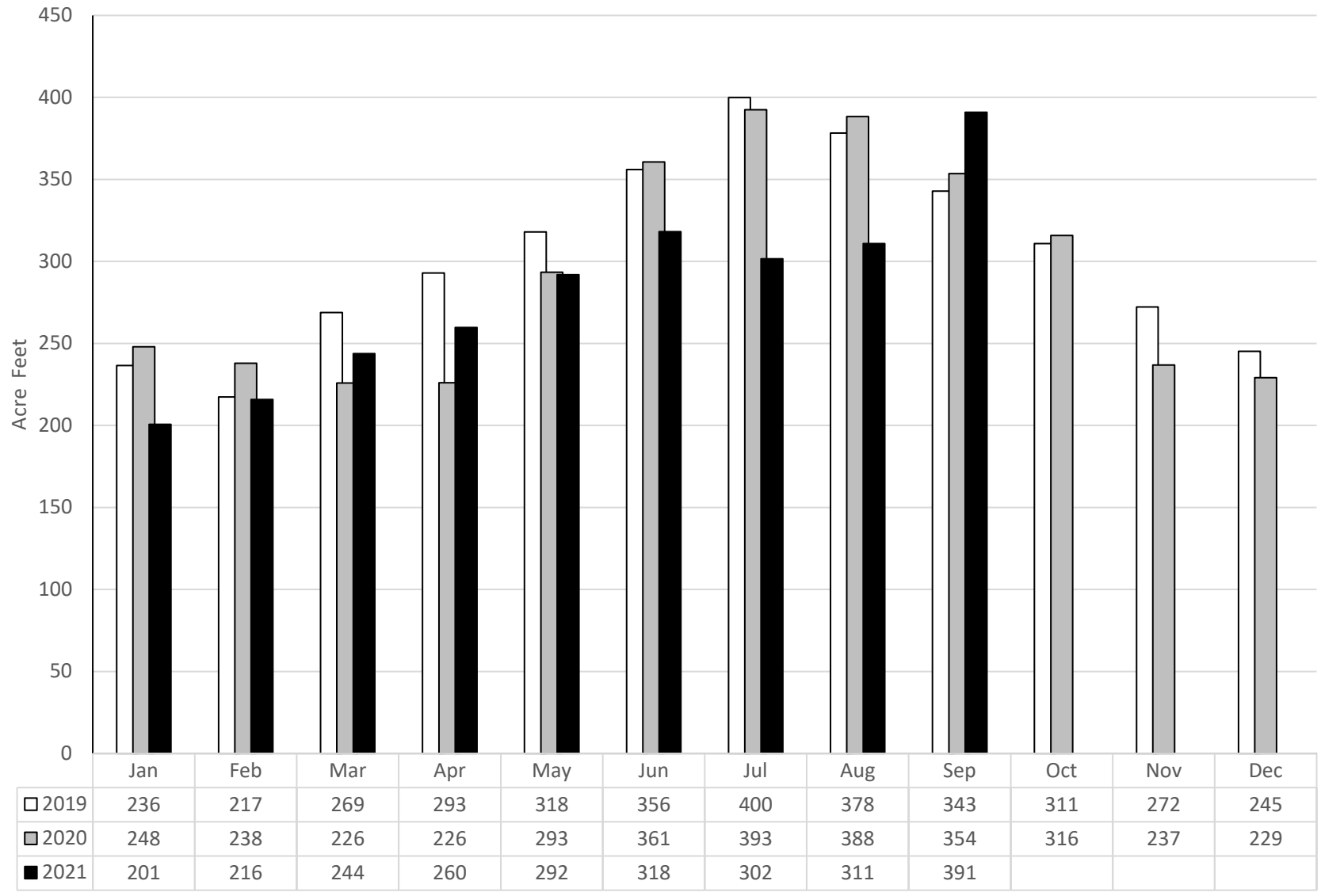
City of North Las Vegas Water Production



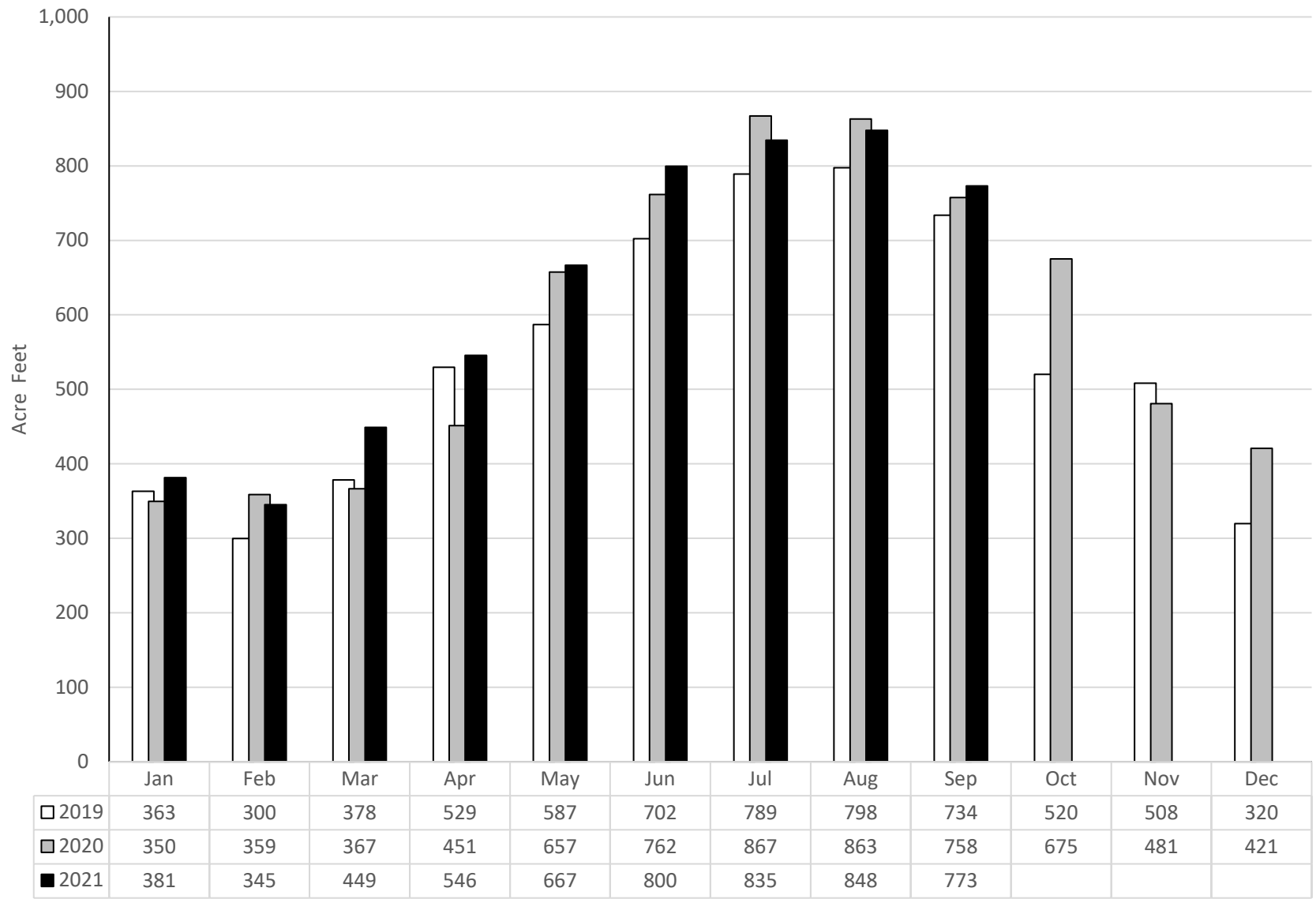
Boulder City Water Production



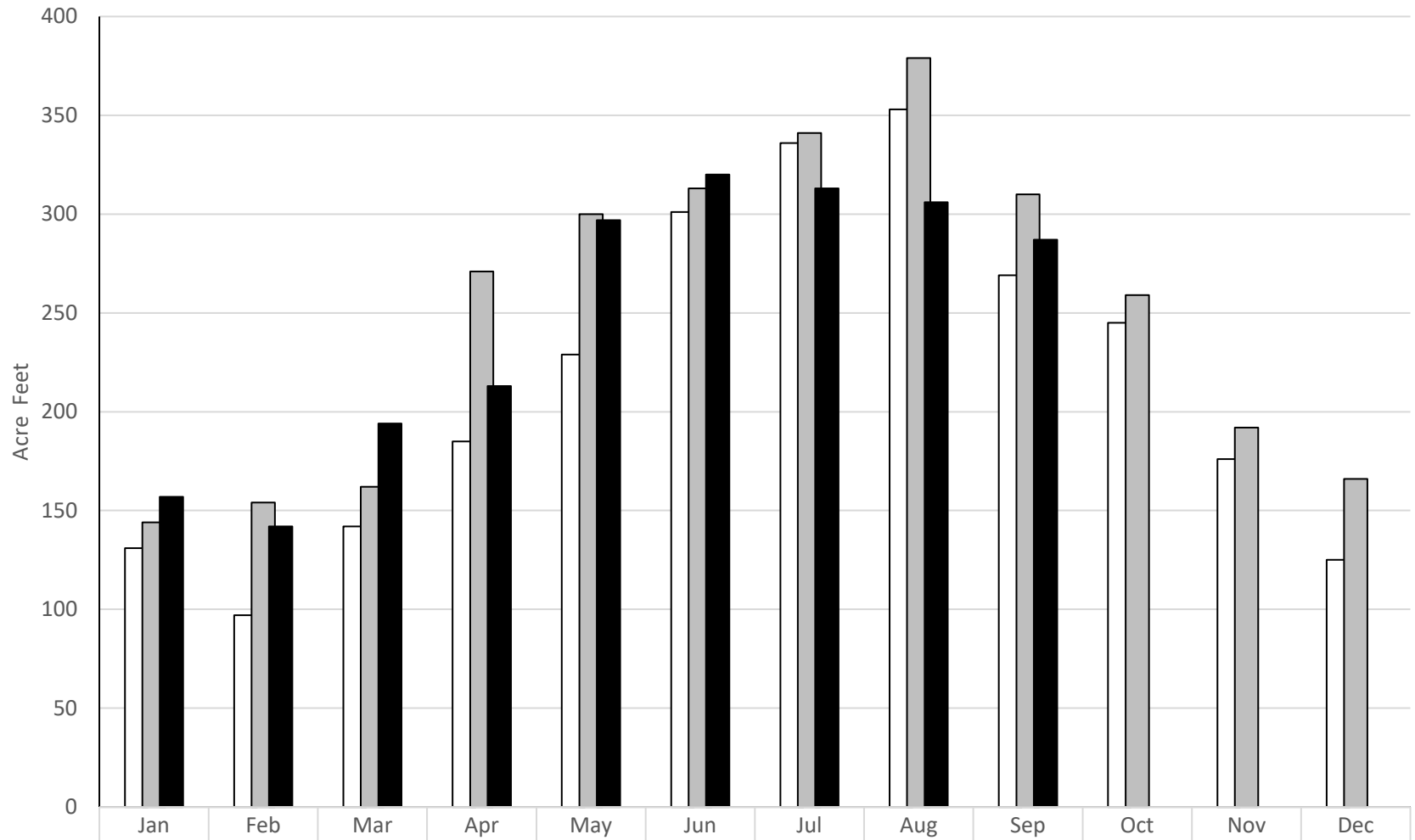
Big Bend Water District Water Production



Virgin Valley Water District Water Production



Moapa Valley Water District Water Production



2019	131	97	142	185	229	301	336	353	269	245	176	125
2020	144	154	162	271	300	313	341	379	310	259	192	166
2021	157	142	194	213	297	320	313	306	287			

