

Planned & Actual Water Production By Source (Acre-Feet)

Report Month:

October

Water Year: 2023

	Cachuma Project			Gibraltar Reservoir		Devil's Canyon	Mission Tunnel		Groundwater Production					Desalination		State Water		Net Overlap Water	Groundwater Recharge		Blend Water		Potable System Total		Recycled System		El Estero Process Usage		Water System Total	
	Plan	Act.	Balance	Plan	Act.	Actual	Plan	Act.	Plan	SU #1	Foot-hill Basin	Total Actual	SU#3 Actual	Plan	Act.	Plan	Act.	Act.	Injec.	Total Actual	Plan	Act.	Plan	Act.	Plan	Act.	Plan	Act.	Plan	Act.
2022 Oct	610	534	18,400	0	0	0	44	45	100	114	0	114	0	208	228	0	0	-9	0	0	3	0	959	912	93	87	15	18	1,067	1,017
Nov	494			0			44		100					208		0			0		3		843		59		15		917	
Dec	470			0			44		100					114		0			0		3		725		37		15		777	
2023 Jan	282			0			44		170					208		0			0		3		701		19		15		735	
Feb	166			0			44		170					208		0			0		3		585		21		15		621	
Mar	239			0			44		170					208		0			0		3		658		24		15		697	
Apr	286			0			44		170					208		0			0		3		705		55		15		775	
May	422			0			44		170					208		0			0		3		841		90		15		946	
Jun	428			0			44		170					208		0			0		3		847		112		15		974	
Jul	478			0			44		215					208		0			0		3		942		137		15		1,094	
Aug	461			0			44		215					208		0			0		3		925		134		15		1,074	
Sep	485			0			44		215					129		0			0		3		870		132		15		1,017	
Year to Date	610	534	18,400	0	0	0	44	45	100	114	0	114	0	208	228	0	0	-9	0	0	3	0	959	912	93	87	15	18	1,067	1,017
Annual Total	4,821			0			528		1,965					2,323		0					36		9,601		912		180		10,693	
Notes			*3										*6							*1	*5	*1	*2		*7	*4				
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	-U	V	-W	X	Y	Z	AA	AB	AC	AD	AE

*1 Groundwater Recharge & Blend Water not part of potable system use.

*2 WY23 Baseline Demand Projection from 2020 EUWMP. Assumes 15% conservation beginning March 2023.

*3 Cachuma Balance: Net of entitlement, carryover, spills, & transfers, per COMB.

*4 Effective 2011 WY, Net Production to Distribution System (Meter Distr. Flow - EEWTP process water).

*5 Planned blend water assumes downtime for recycled system repairs.

*6 Groundwater from Storage Unit #3 is non-potable water serving recycled water demands.

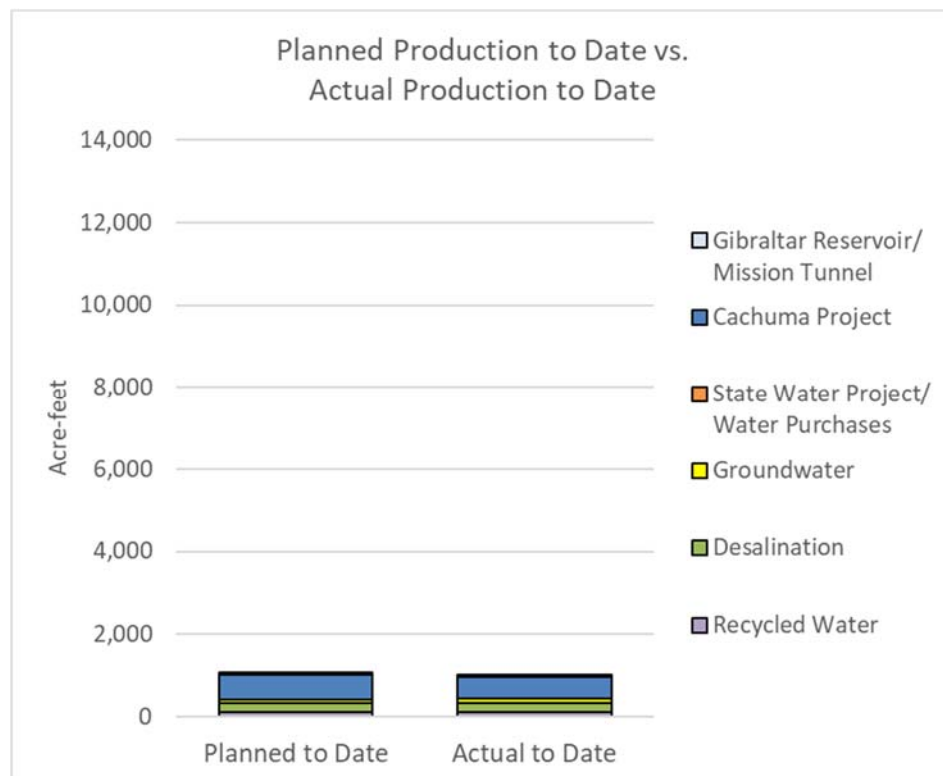
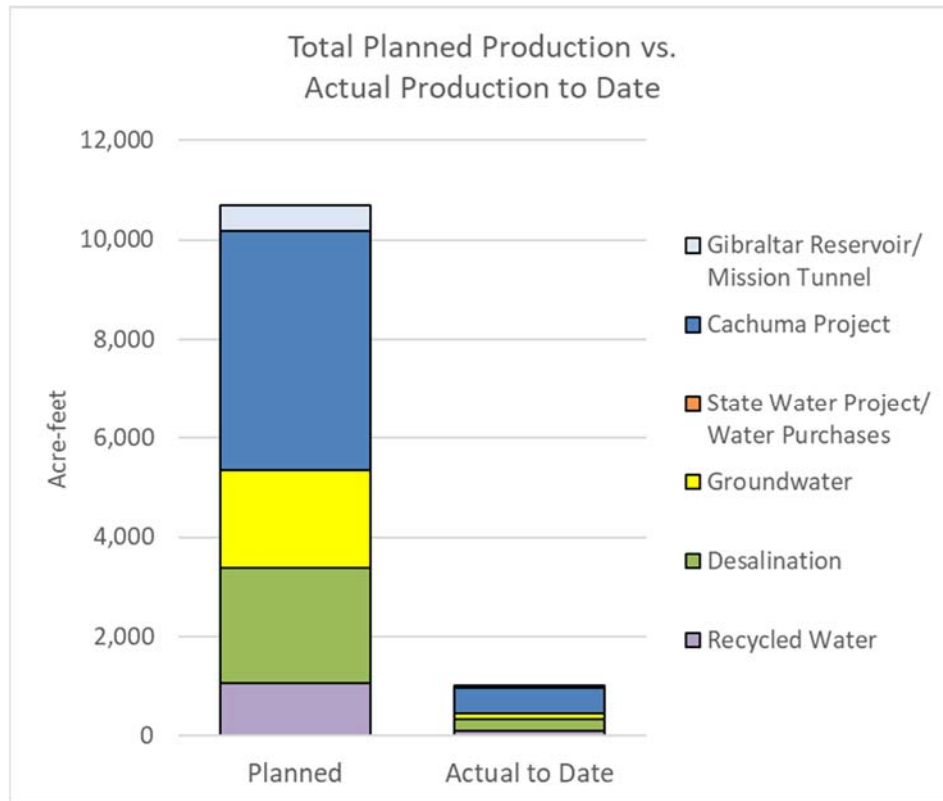
*7 Includes 112 AF of recycled water attributed to the recycled water WSA with La Cumbre Mutual Water Company.

YTD Percent of Target:	95.1%	93.5%		95.3%
	Potable	Recycled		System

Potable System V = C+F+G+I+M+P+R+S-U-W

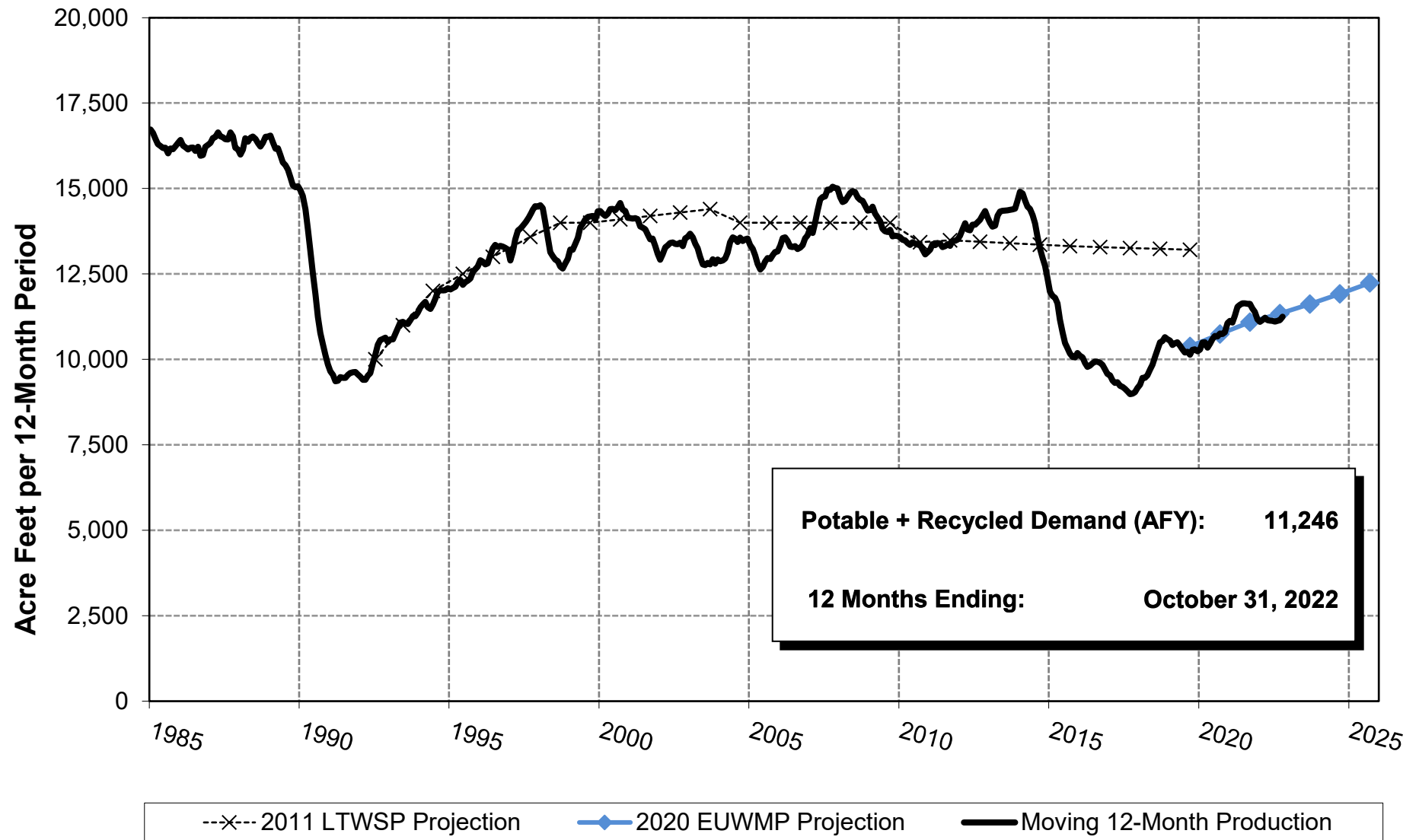
 = Preliminary Data or Not Yet Available

Planned and Actual Water Year by Source. Water Year 2023.

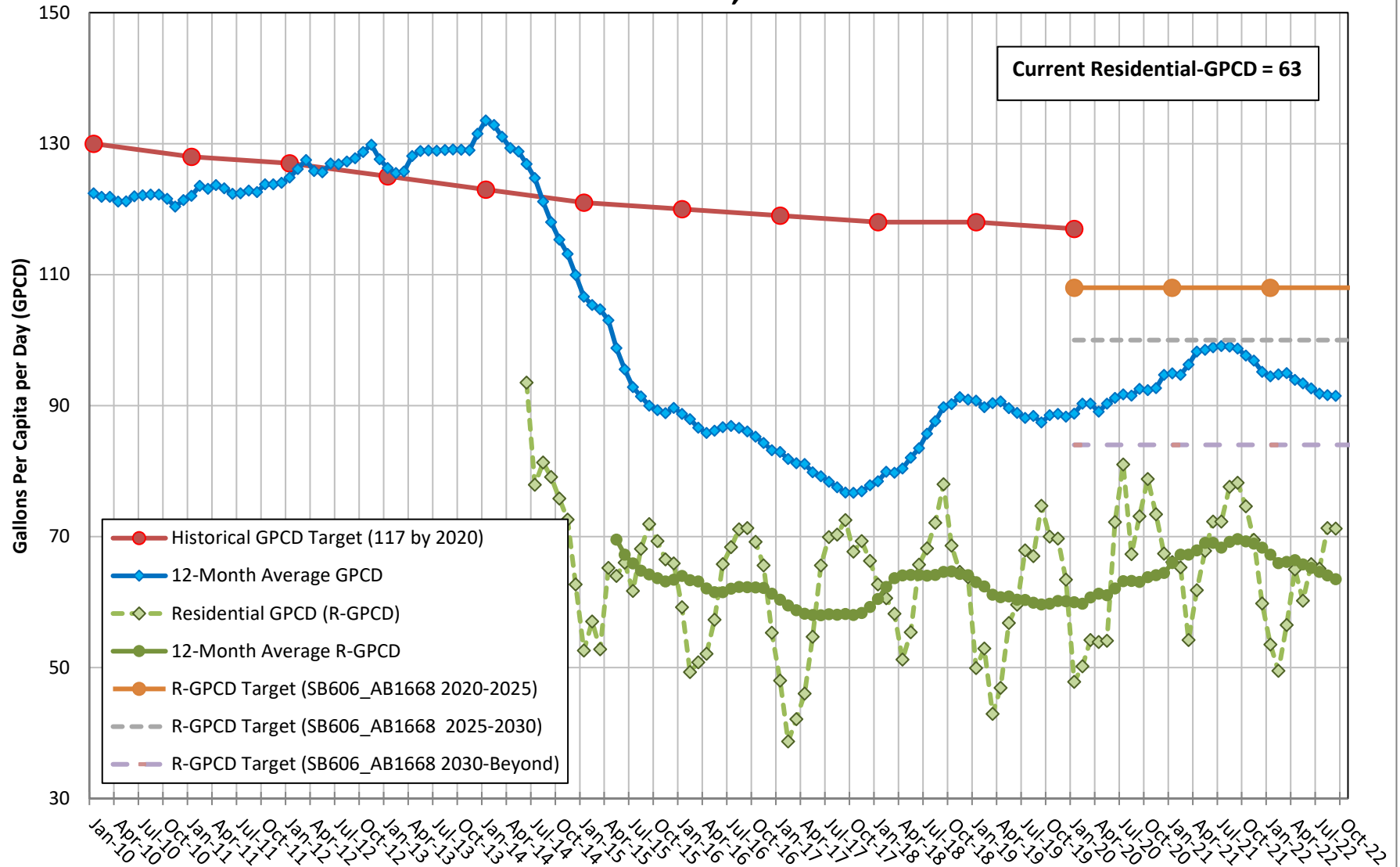


City of Santa Barbara Water Demand

Moving 12-Month Production to Serve Potable + Recycled Systems



City of Santa Barbara Water Use in Gallons Per Capita per Day (GPCD) October 31, 2022

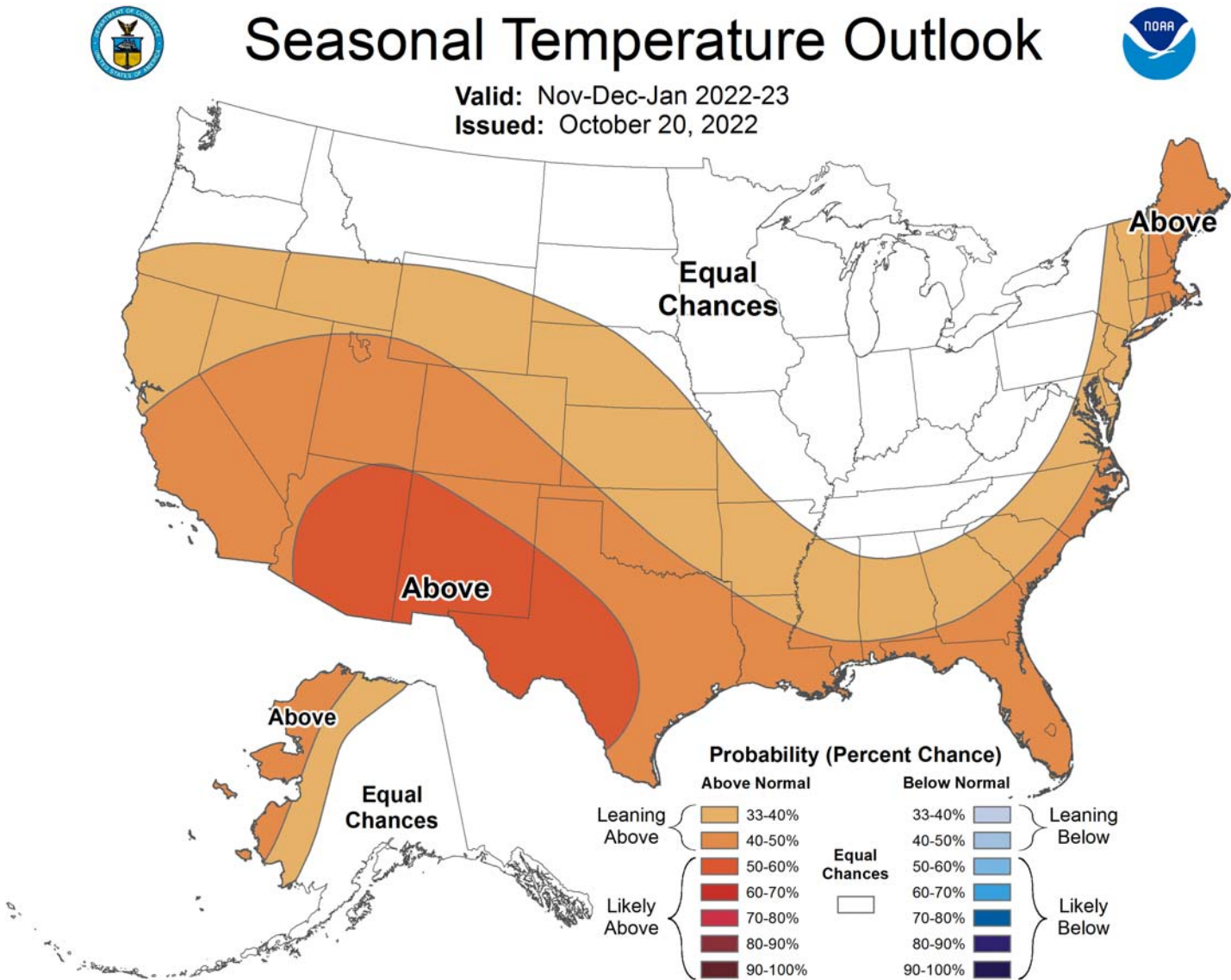


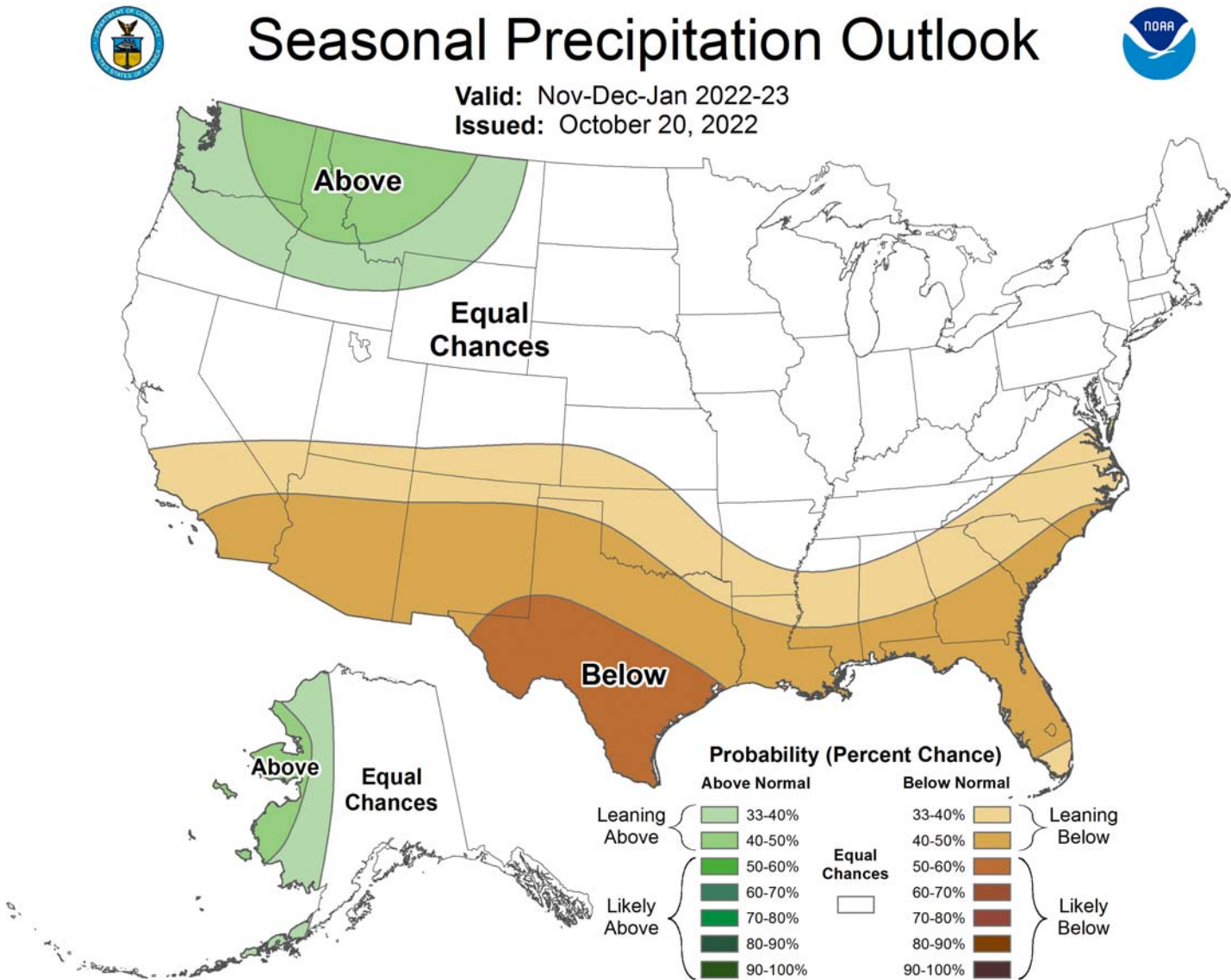
NOTES: The GPCD values above exclude blend water for recycled water production.
SB606 and AB1668 projected targets are provisional as of Nov 2022.

GIBRALTAR RAINFALL DATA

Gauge Location: Gibraltar Dam

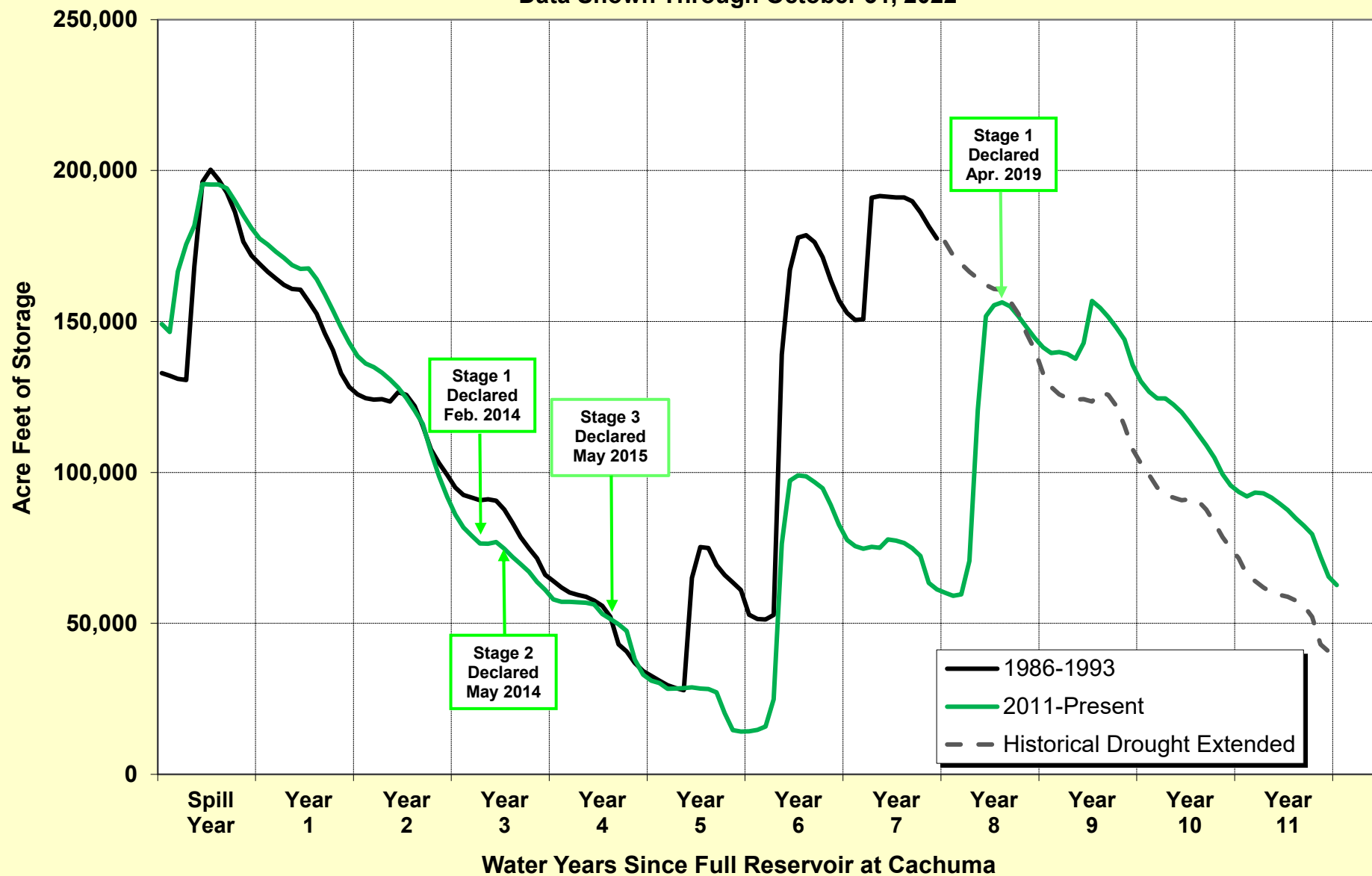
Year	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
1969-70	0.00	2.59	0.31	4.34	3.57	6.58	0.00	0.00	0.00	0.00	0.00	0.00	17.39
1970-71	0.08	9.38	8.87	1.10	1.64	0.00	0.94	0.47	0.00	0.00	0.00	0.00	22.48
1971-72	0.47	1.09	13.20	0.19	0.32	0.00	0.24	0.11	0.00	0.00	0.00	0.00	15.62
1972-73	0.55	9.10	1.06	8.38	14.89	4.27	0.00	0.00	0.00	0.00	0.00	0.00	38.25
1973-74	0.70	3.19	2.83	12.26	0.05	5.35	0.85	0.02	0.00	0.00	0.00	0.00	25.25
1974-75	0.89	0.06	9.53	0.35	5.62	8.96	2.13	0.08	0.00	0.00	0.01	0.00	27.63
1975-76	0.40	0.44	0.22	0.00	10.93	2.02	1.08	0.00	0.00	0.00	0.05	4.28	19.42
1976-77	0.25	0.44	0.83	5.42	0.26	2.89	0.00	5.19	0.00	0.00	0.38	0.00	15.66
1977-78	0.00	0.14	9.23	1.91	14.42	18.28	4.27	0.00	0.00	0.00	0.00	1.63	49.88
1978-79	0.00	2.76	2.51	8.49	6.08	7.26	0.00	0.00	0.00	0.00	0.00	1.01	28.11
1979-80	0.58	0.96	2.02	8.13	17.69	4.39	1.10	0.24	0.00	0.00	0.00	0.00	35.11
1980-81	0.00	0.00	1.74	6.17	2.99	9.98	1.05	0.00	0.00	0.00	0.00	0.00	21.93
1981-82	0.38	2.57	0.47	6.14	0.65	7.55	5.30	0.05	0.00	0.00	0.00	1.70	24.81
1982-83	1.30	7.87	5.61	15.07	8.47	15.11	8.86	0.00	0.00	0.00	0.79	0.59	63.67
1983-84	5.57	4.18	6.75	0.25	0.08	0.95	0.24	0.00	0.00	0.00	0.07	0.28	18.37
1984-85	0.49	3.52	7.94	0.96	1.24	1.92	0.13	0.00	0.00	0.00	0.00	0.05	16.25
1985-86	0.42	7.14	1.11	3.24	10.61	6.77	1.51	0.00	0.00	0.00	0.00	0.84	31.64
1986-87	0.00	0.96	0.42	2.71	2.04	4.58	0.00	0.00	0.00	0.00	0.00	0.00	10.71
1987-88	1.60	1.52	4.67	5.19	4.12	2.60	5.14	0.06	0.05	0.00	0.00	0.00	24.95
1988-89	0.00	1.04	5.73	0.29	5.38	1.43	0.13	0.46	0.00	0.00	0.00	0.25	14.71
1989-90	0.79	0.58	0.00	5.61	3.33	0.27	0.24	0.78	0.00	0.00	0.00	0.20	11.80
1990-91	0.00	0.26	0.18	1.71	4.88	23.12	0.03	0.00	0.06	0.38	0.00	0.00	30.62
1991-92	0.33	0.13	7.54	4.72	18.82	7.28	0.04	0.16	0.00	0.07	0.00	0.00	39.09
1992-93	1.78	0.00	8.17	14.30	16.43	8.12	0.00	0.34	0.47	0.00	0.00	0.00	49.61
1993-94	0.19	1.51	2.42	1.74	9.76	2.72	0.65	0.51	0.00	0.00	0.00	0.09	19.59
1994-95	2.19	1.29	1.54	33.26	3.39	15.30	0.33	1.64	0.02	0.00	0.00	0.00	58.96
1995-96	0.00	0.18	2.85	2.93	10.30	2.21	1.00	0.39	0.00	0.00	0.00	0.00	19.86
1996-97	7.05	1.89	7.81	7.45	0.13	0.00	0.00	0.00	0.00	0.04	0.00	0.09	24.46
1997-98	0.00	5.48	10.17	6.64	34.63	4.47	4.43	6.62	0.03	0.00	0.00	0.55	73.02
1998-99	0.13	1.30	0.79	4.25	2.24	4.55	2.97	0.00	0.13	0.24	0.00	0.03	16.63
1999-00	0.00	1.65	0.00	2.25	16.70	3.73	5.36	0.03	0.19	0.00	0.00	0.00	29.91
2000-01	4.04	0.00	0.15	11.24	8.85	13.59	2.96	0.01	0.00	0.01	0.00	0.00	40.85
2001-02	0.65	4.48	2.89	1.03	0.33	0.84	0.08	0.09	0.00	0.00	0.00	0.06	10.45
2002-03	0.00	4.61	6.45	0.12	5.26	4.43	4.97	2.82	0.00	0.06	0.00	0.00	28.72
2003-04	0.00	2.29	3.10	0.42	8.50	0.43	0.00	0.00	0.00	0.00	0.00	0.00	14.74
2004-05	8.39	0.46	17.37	21.54	15.65	3.58	1.14	1.46	0.00	0.00	0.00	0.14	69.73
2005-06	0.60	1.43	0.68	9.67	5.41	5.22	8.15	1.29	0.00	0.00	0.10	0.00	32.55
2006-07	0.37	0.23	1.63	2.62	3.40	0.16	0.81	0.00	0.00	0.00	0.02	0.85	10.09
2007-08	0.38	0.10	4.09	23.84	3.11	0.00	0.15	0.27	0.00	0.00	0.10	0.00	32.04
2008-09	0.06	2.22	4.07	1.00	7.95	0.90	0.35	0.01	0.09	0.00	0.00	0.00	16.65
2009-10	5.81	0.00	5.19	11.89	6.90	0.69	4.44	0.08	0.00	0.00	0.00	0.00	35.00
2010-11	2.03	2.04	14.04	2.06	5.12	14.95	0.00	1.18	0.51	0.00	0.00	0.00	41.93
2011-12	0.74	3.00	0.36	1.22	0.47	5.89	3.08	0.00	0.00	0.00	0.00	0.04	14.80
2012-13	0.34	2.60	2.68	1.39	0.24	1.02	0.00	0.61	0.00	0.00	0.00	0.00	8.88
2013-14	0.08	1.21	0.29	0.00	5.07	5.16	0.66	0.57	0.00	0.00	0.00	0.00	13.04
2014-15	0.00	1.21	7.88	0.87	0.73	0.60	0.36	0.62	0.98	0.00	0.00	0.16	13.41
2015-16	0.23	0.36	0.71	4.66	2.66	4.22	0.27	0.13	0.00	0.00	0.00	0.00	13.24
2016-17	1.20	1.26	3.10	11.51	14.23	1.24	0.21	0.45	0.00	0.00	0.02	0.23	33.45
2017-18	0.00	0.07	0.00	3.92	0.28	7.13	0.13	0.30	0.00	0.00	0.00	0.00	11.83
2018-19	0.18	4.82	0.94	11.65	11.79	4.97	0.12	1.91	0.00	0.00	0.00	0.00	36.38
2019-20	0.00	2.35	7.51	0.47	0.50	10.04	6.02	0.02	0.00	0.00	0.00	0.00	26.91
2020-21	0.00	0.22	3.34	6.38	0.00	1.26	0.00	0.00	0.00	0.00	0.00	0.00	11.20
2021-22	2.71	0.03	12.73	0.05	0.00	1.96	0.35	0.00	0.00	0.00	0.00	0.00	17.83
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Total
50 yr avg	1.07	1.90	4.07	5.95	6.65	5.29	1.62	0.57	0.05	0.02	0.03	0.26	27.47
50 yr median	0.38	1.28	2.84	4.09	5.10	4.33	0.36	0.07	0.00	0.00	0.00	0.00	24.81
Average YTD:	2.71	1.37	5.16	3.88	3.10	2.91	2.55	2.23	1.98	1.78	1.62	1.49	
Actual YTD:	2.71	2.74	15.47	15.52	15.52	17.48	17.83	17.83	17.83	17.83	17.83	17.83	



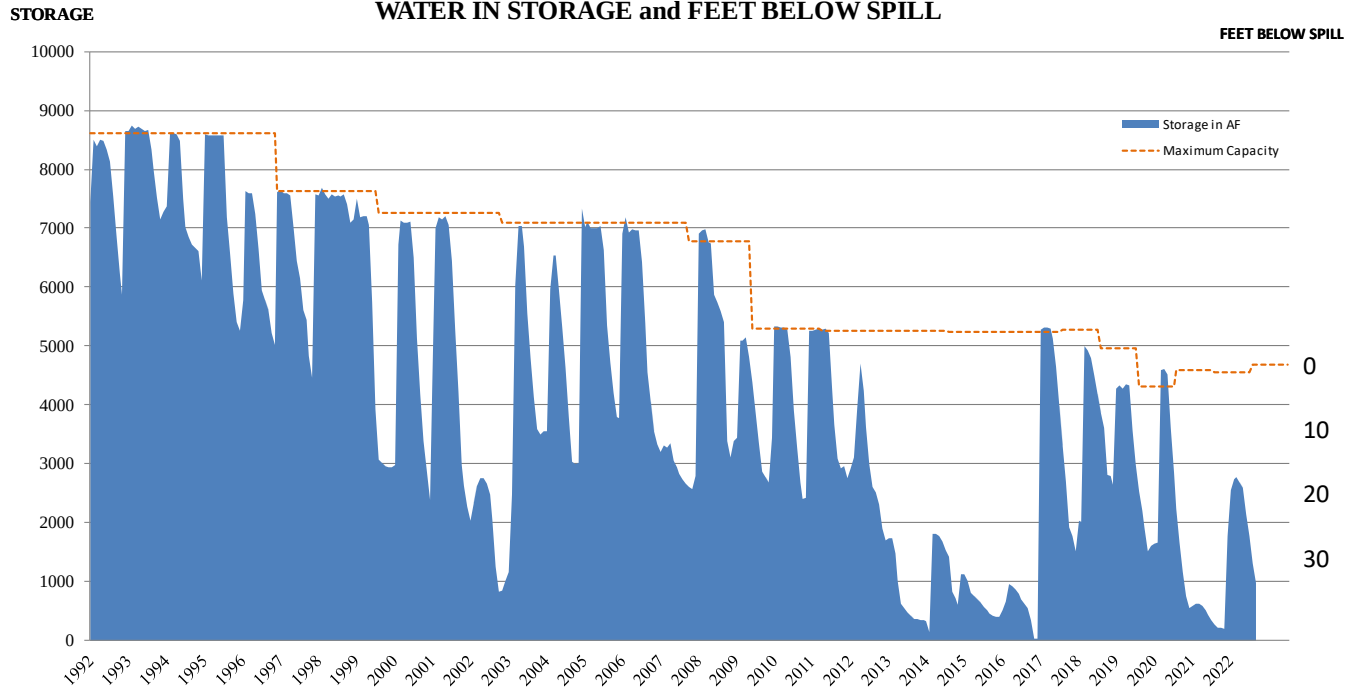


Cachuma Storage: Current Drought & 1986-93 Period

Data Shown Through October 31, 2022



GIBRALTAR RESERVOIR HYDROGRAPH **WATER IN STORAGE and FEET BELOW SPILL**



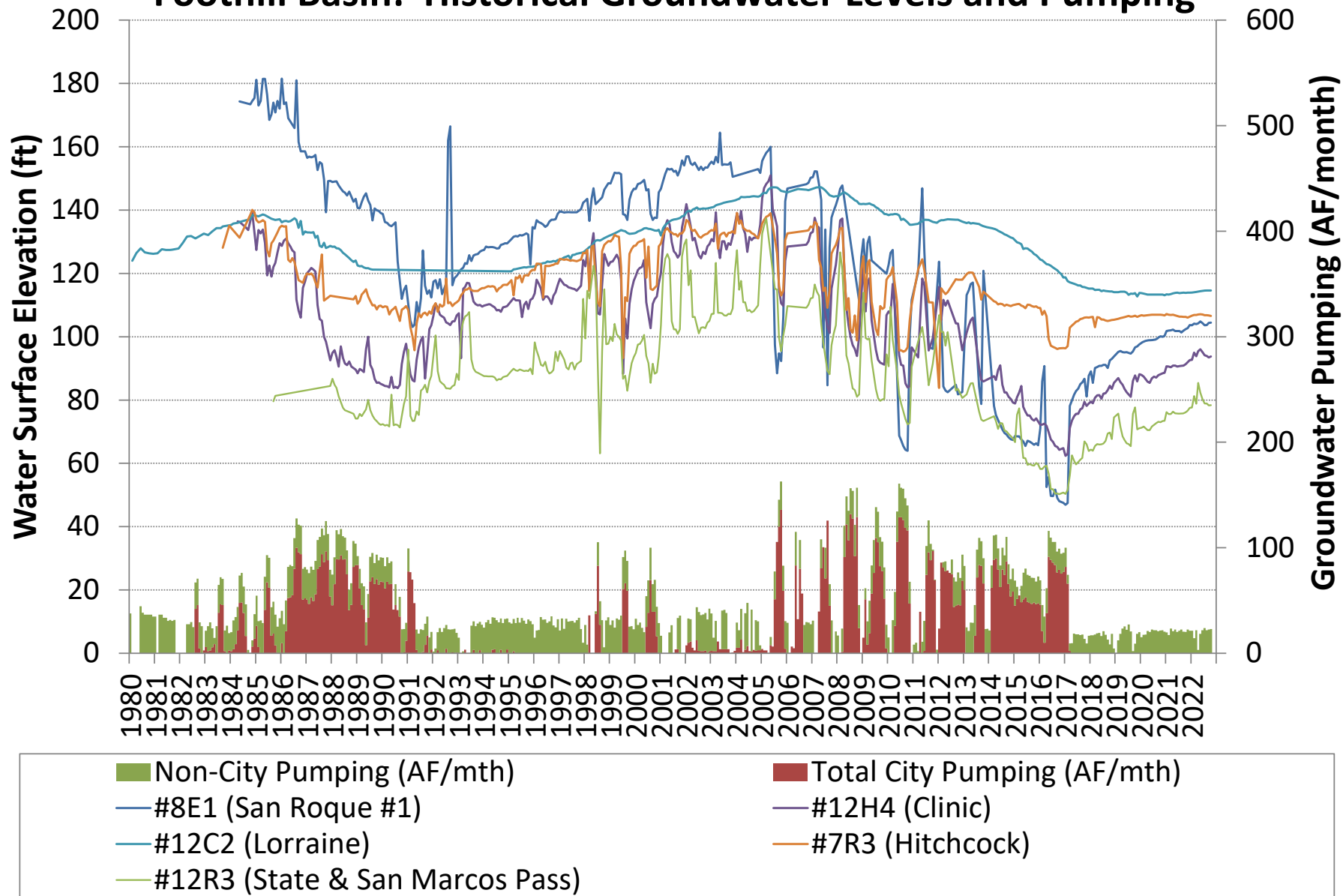
<u>ELEV.</u>	<u>STATUS</u>	<u>CAPACITY (AF)</u>
1,400.00	Reservoir is Full	5,246
1,376.48	First 16" Intake Valve	1,156
1,361.82	Second 16" Intake Valve	0
1,300.00	Reservoir is Empty	0

January 1993 - February 1996... Reflects use of M,N&S 1992 Gib. Area/Capacity Survey @ 8,618 AF
 February 1996 - October 1998...Reflects use of M,N&S 1996 Gib. Area/Capacity Survey @ 7,631 AF
 October 1998 – December 2001..Reflects use of M,N&S 1998 Gib. Area/Capacity Survey @ 7,261 AF
 January 2002 – December 2004..Reflects use of M,N&S 2001 Gib. Area/Capacity Survey @ 7,096 AF
 January 2005 – November 2007..Reflects use of M,N&S 2004 Gib. Area/Capacity Survey @ 7,085 AF
 December 2007–July 2008..Reflects use of M,N&S 2007 Gib. Area/Capacity Survey @ 6,784 AF
 August 2008 – May 2010...Reflects use of MN&S 2008 Gib. Area/Capacity Survey @ 5,303 AF
 June 2010 – September 2013...Reflects use of MN&S 2010 Gib. Area/Capacity Survey @5,251 AF
 October 2013 – September 2016...Reflects use of MN&S 2013 Gib. Area/Capacity Survey @5,246 AF
 October 2016 to September 2017...Reflects use of MNS 2016 Gib. Area/Capacity Survey @5,272 AF
 October 2017 to September 2018...Reflects use of MNS 2017 Gib. Area/Capacity Survey @4,968 AF
 October 2018 to September 2019...Reflects use of MNS 2018 Gib. Area/Capacity Survey @ 4,314 AF
 October 2019 to September 2020...Reflects use of MNS 2019 Gib. Area/Capacity Survey @ 4,583 AF
 October 2020 to September 2021...Reflects use of MNS 2020 Gib. Area/Capacity Survey @ 4,559 AF
 October 2021 to present...Reflects use of MNS 2021 Gib. Area/Capacity Survey @ 4,693 AF

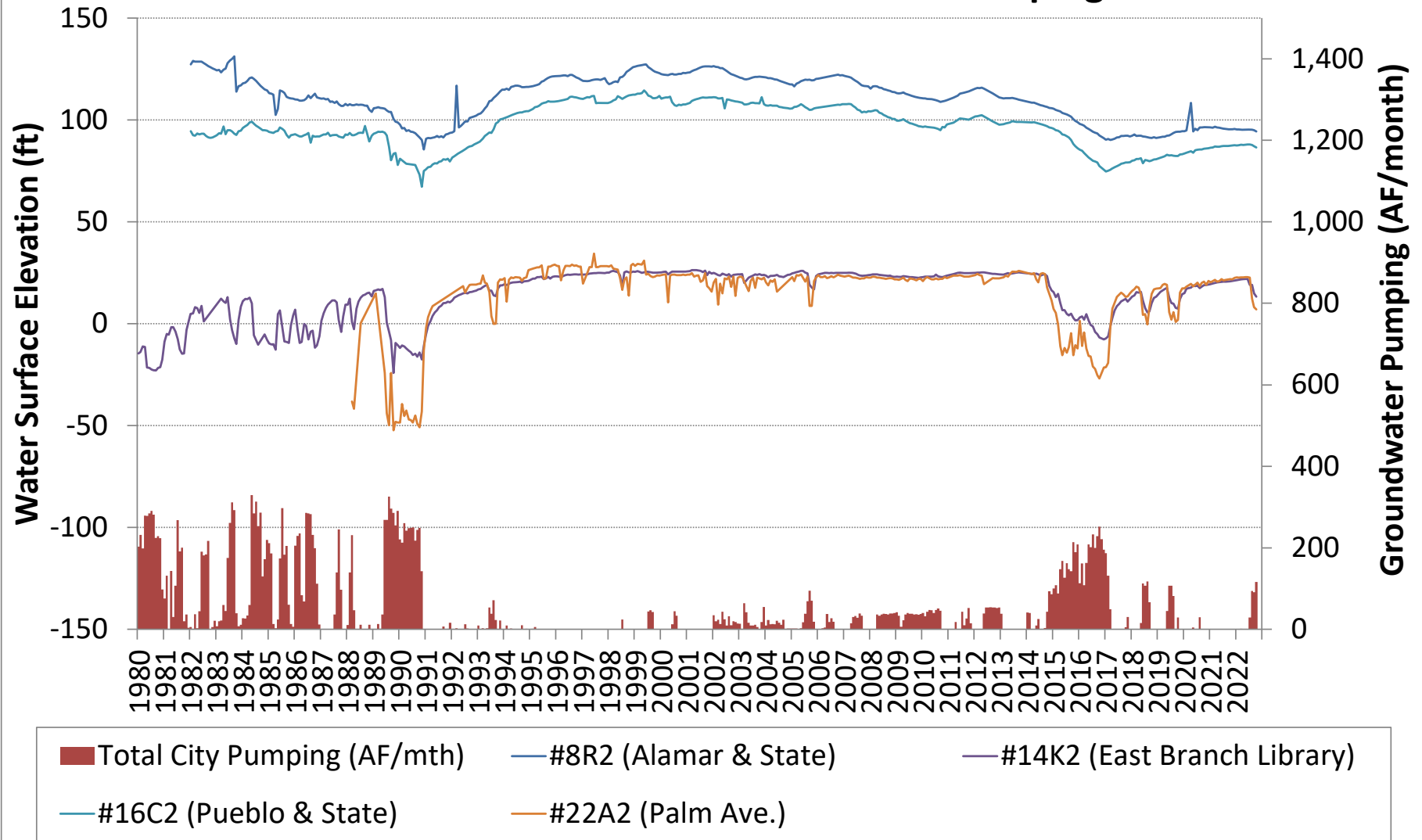
TIME & DATE OF SPILL SINCE 1989

4:30 Am	March 19, 1991
9:09 Am	February 7, 1992
10:30 Am	January 7, 1993
6:45 Am	February 18, 1994
1:37 Pm	January 9, 1995
2:10 Pm	February 20, 1996
6:00 Am	December 22, 1996
3:00 Am	January 2, 1997
1:30 Pm	January 15, 1997
9:40 Am	December 6, 1997
4:30 Pm	February 6, 1999
8:00 Am	February 24, 2000
1:00 Am	February 15, 2001
1:30 Pm	April 14, 2003
5:00 Pm	December 29, 2004
8:30 Pm	January 2, 2006
1:00 Am	January 5, 2008
7:00 Pm	February 16, 2009
12:00 Noon	January 20, 2010
07:00 Am	December 20, 2010
01:00 Am	January 24, 2017
07:30 Am	March 29, 2018
09:30 Am	January 17, 2019
Unknown	March 20, 2020

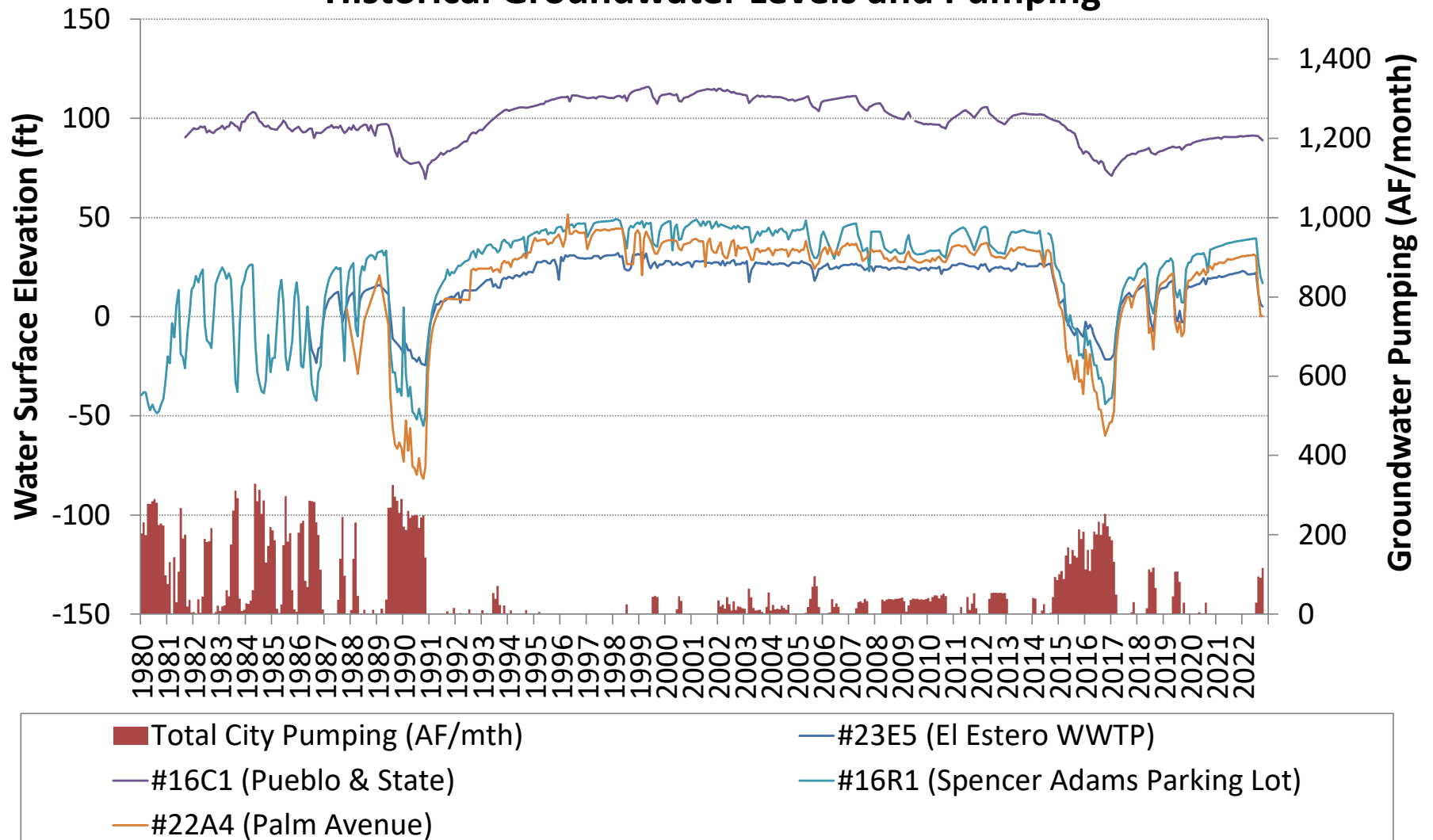
Foothill Basin: Historical Groundwater Levels and Pumping



Storage Unit #1, Upper Producing Zone: Historical Groundwater Levels and Pumping

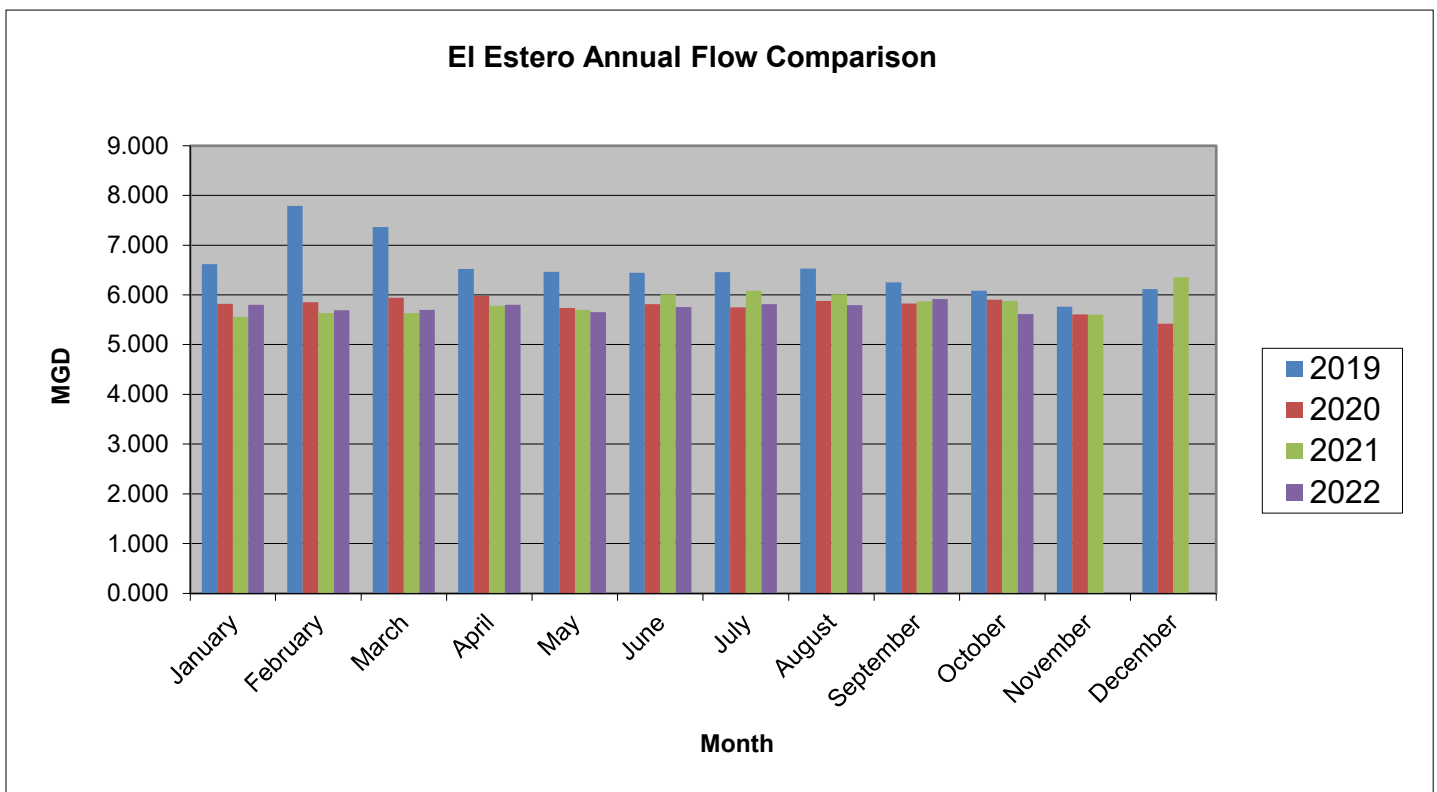


Storage Unit #1, Lower Producing Zone: Historical Groundwater Levels and Pumping



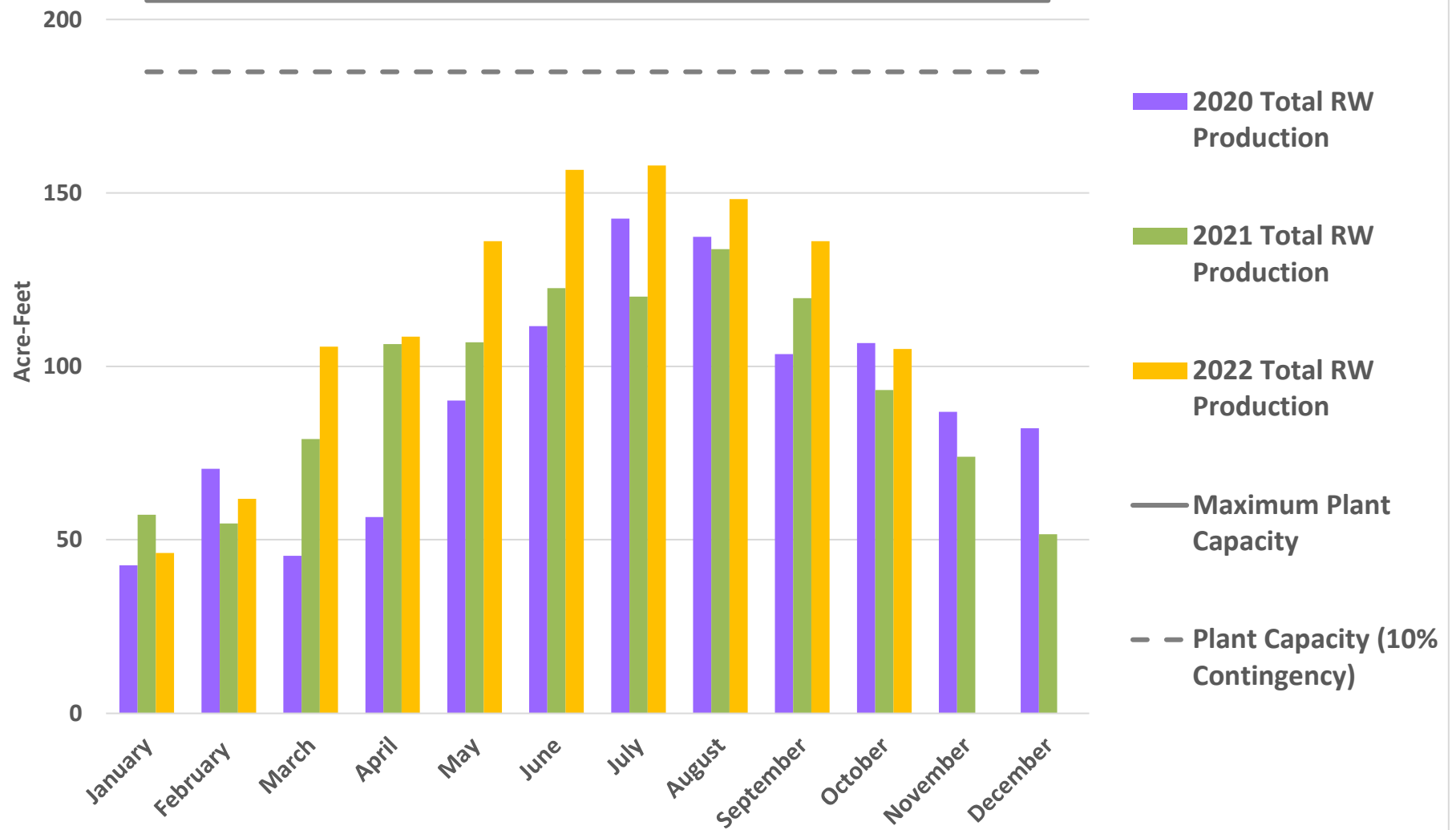
EL ESTERO INFLUENT FLOW COMPARISON (MGD)

	2019	2020	2021	2022
January	6.616	5.820	5.553	5.800
February	7.790	5.850	5.635	5.693
March	7.363	5.942	5.635	5.700
April	6.523	5.980	5.783	5.799
May	6.462	5.735	5.700	5.654
June	6.441	5.815	6.013	5.756
July	6.460	5.747	6.082	5.815
August	6.525	5.876	6.014	5.795
September	6.250	5.827	5.873	5.915
October	6.083	5.901	5.876	5.615
November	5.764	5.606	5.602	
December	6.119	5.422	6.355	

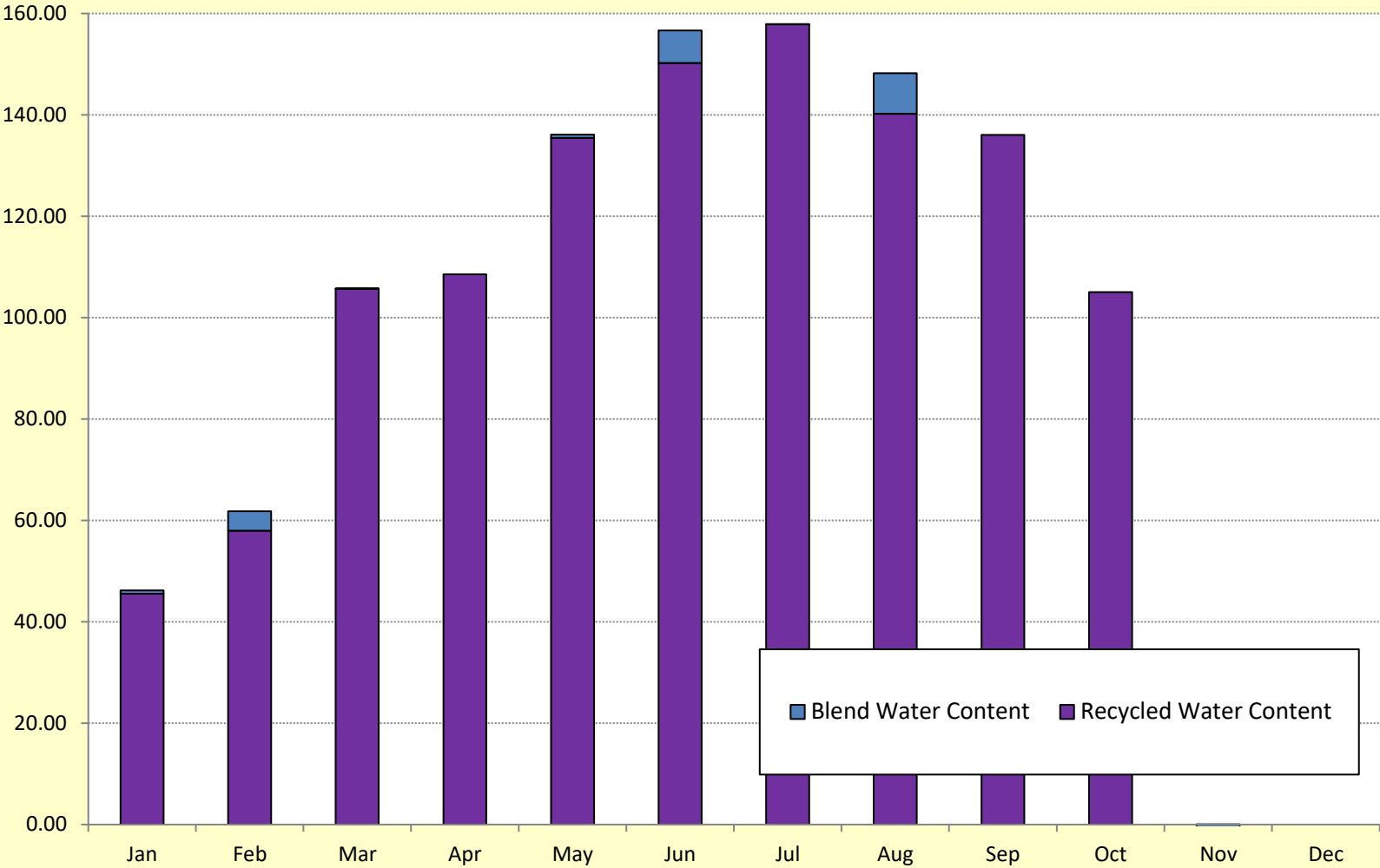


Annual Flow is Calculated Avg Adjusted Influent Flow

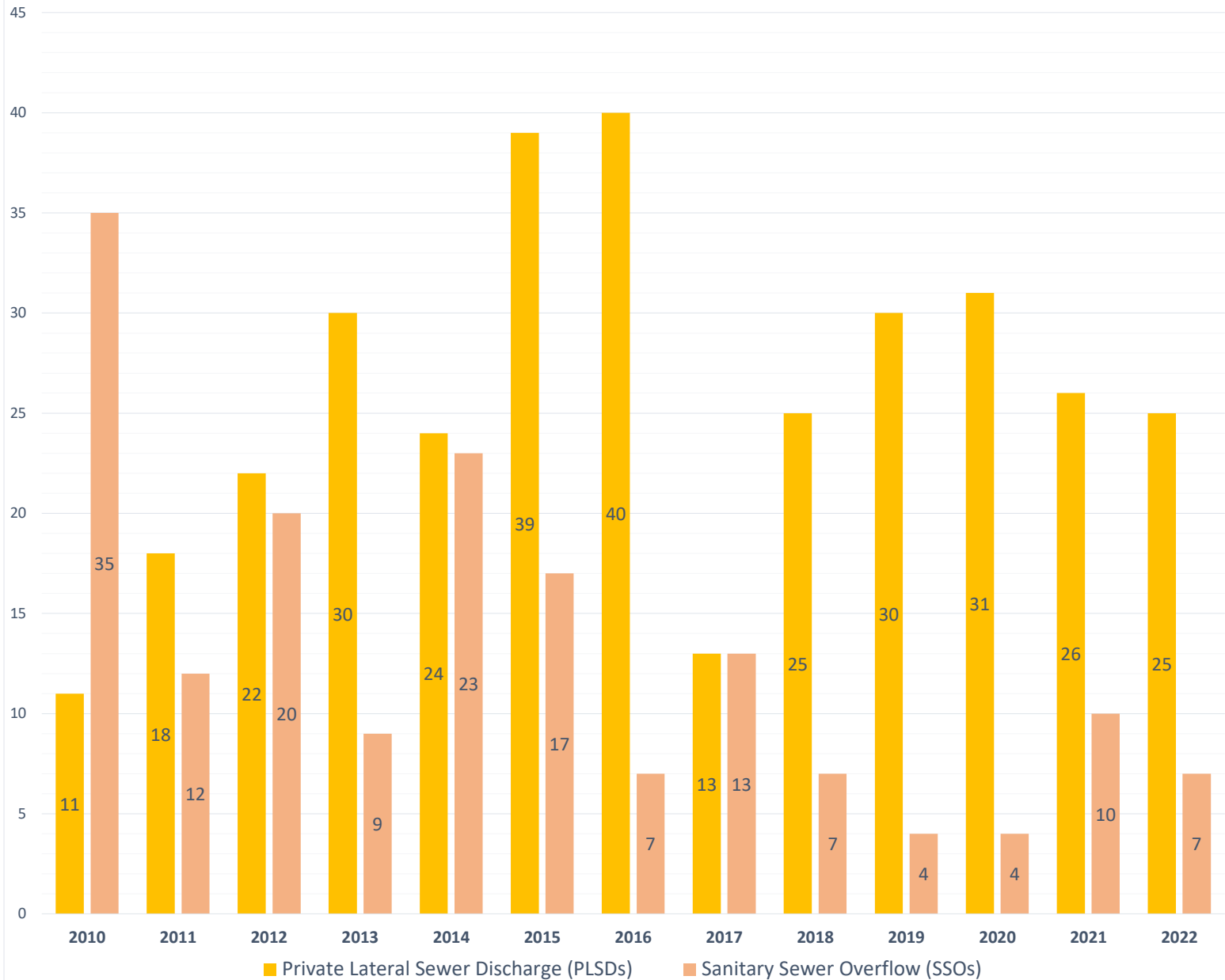
Recycled Production by Source of Supply



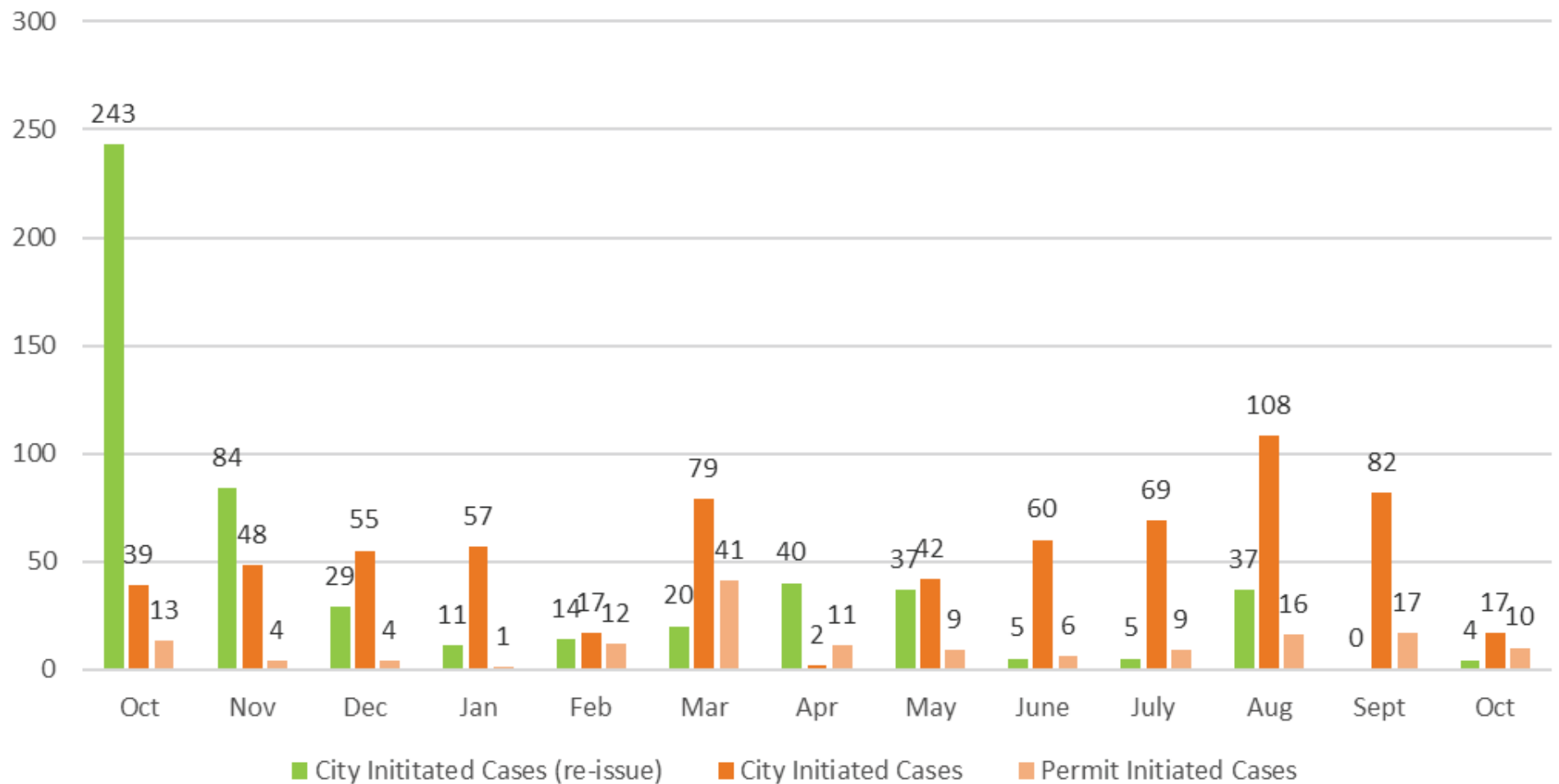
Recycled Production by Source of Supply for 2022 (Acre-Feet)



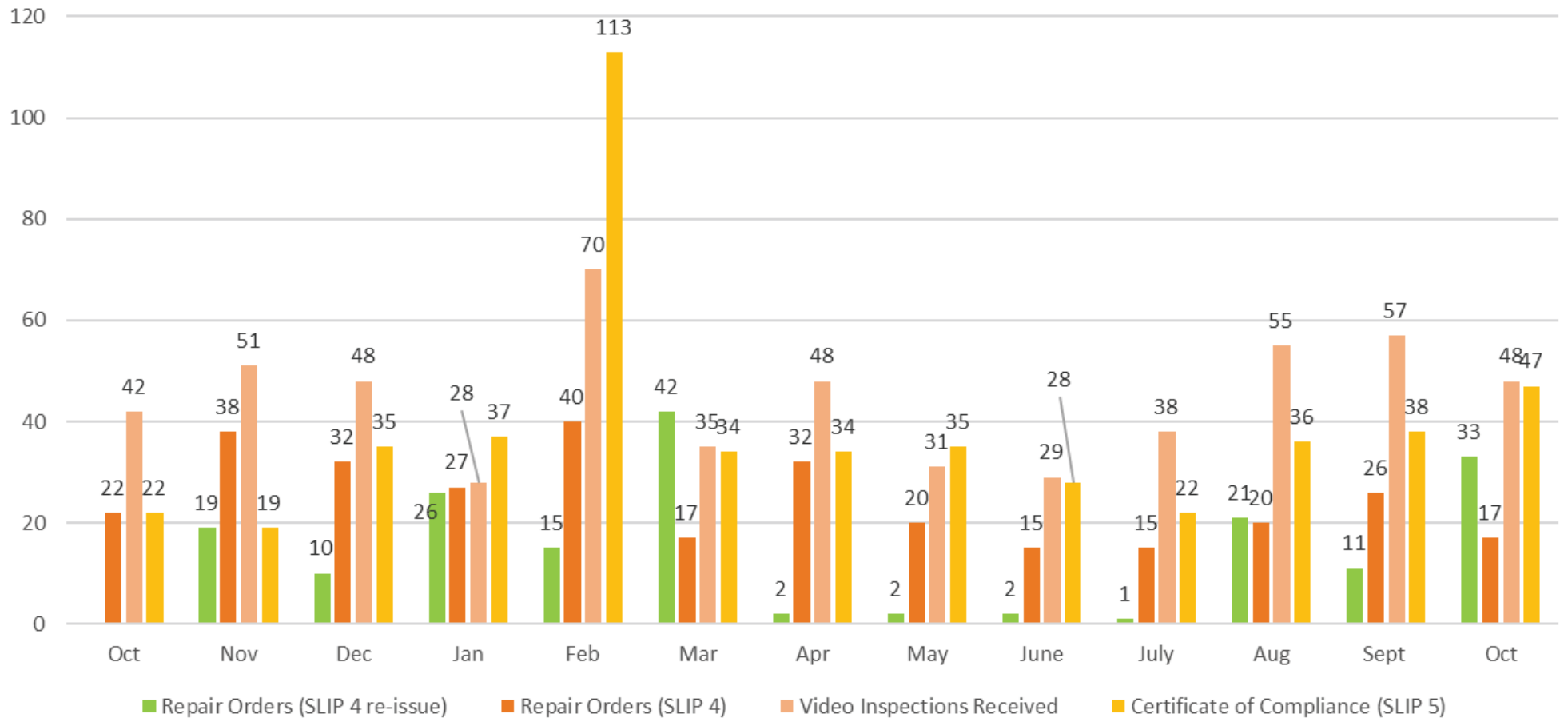
**PLSDs (Private Lateral Sewer Discharge)
and SSOs (Sanitary Sewer Overflow)**



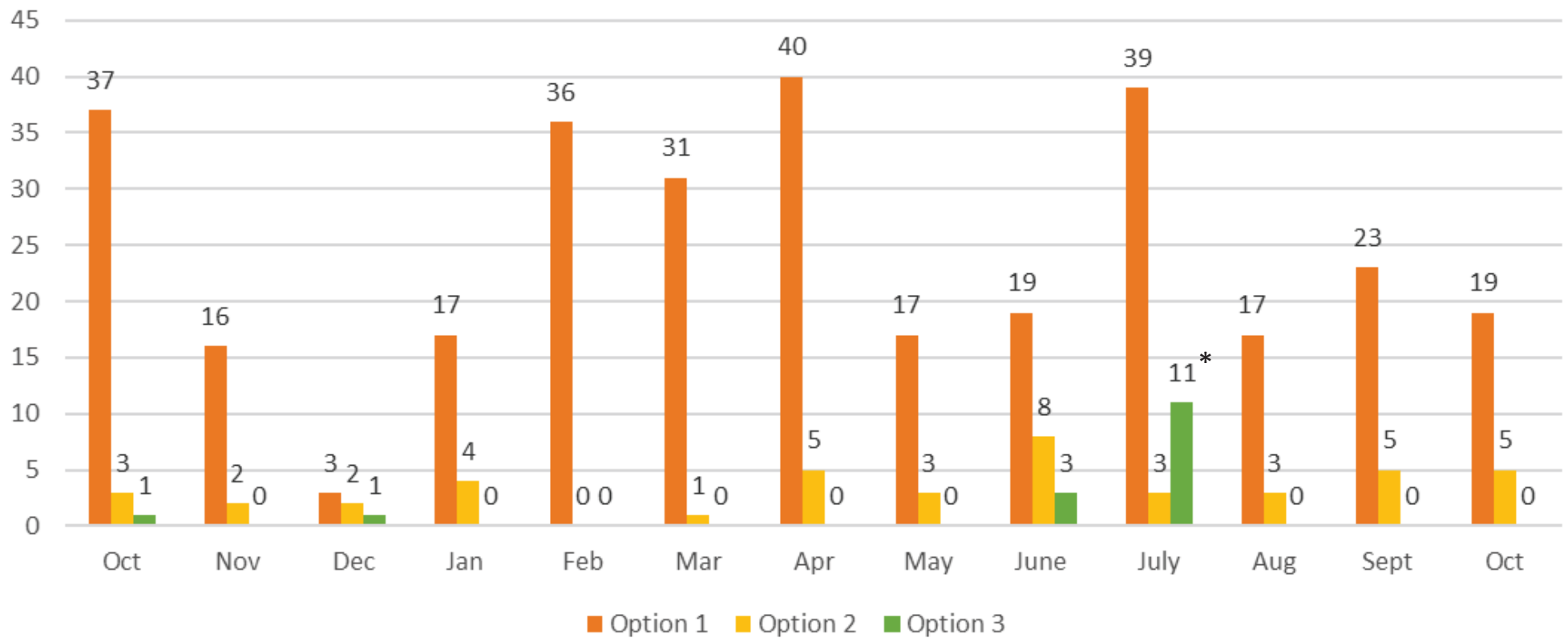
City Initiated, Permit Initiated, and Re-issued City Initiated Cases



Video Inspection Received, Repair Orders (SLIP 4), Repair Orders (SLIP 4 re-issue), and Compliance Certificate Issued (SLIP 5)



Repair Options Provided by City Replacement by Private Contractor (Option 1), Replacement by City Contractor (Option 2), Trenchless Rehabilitation (Option 3)



* Completed as part of wastewater main rehab.

Communication with Property Owners

