

CITY OF NEEDLES
 WATER ACCOUNTING
 MONTHLY CALCULATION SHEET
 CALENDAR YEAR 2026

Diversions - Pumped from Wells	Pumped (Acre-Feet)												Total
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Well #8	0.00	0.00	0.00	0.00	0.00								0.00
Well # 15 (formerly #10)	9.10	0.00	0.00	0.00	0.00								9.10
Well #11	103.51	106.14	130.92	112.72	128.79								582.08
Well #12	10.22	27.97	44.32	47.59	59.33								189.43
Sub-Total	122.83	134.11	175.24	160.31	188.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	780.61
Delivered to Ft. Mojave Indian Tribe (AZ)	27.42	21.33	22.31	11.25	0.00								82.31
Delivered to Ft. Mojave Indian Tribe (CA)	2.30	46.94	2.53	4.57	4.29								60.63
Sub-Total	29.72	68.27	24.84	15.82	4.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	142.94
City of Needles' Net Diversion	93.11	65.84	150.40	144.49	183.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	637.67
Uses of Water													
Commercial Accounts	36.46	22.07	51.33	41.99	75.29								227.14
Residential Accounts	42.78	14.81	50.01	41.39	37.50								186.49
Golf Course	10.22	27.97	44.32	47.59	59.33								189.43
Parks, Ballparks, Cemetery	3.66	0.99	4.74	13.52	11.71								34.62
Total	93.12	65.84	150.40	144.49	183.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	637.68

CALENDAR YEAR 2026
WASTEWATER TREATMENT PLANT

	Mean Flow	# Days	A/F	A/F Return
Jan	0.438	31	41.67	40.42
Feb	0.443	28	38.07	36.93
Mar	0.450	31	42.81	41.53
Apr	0.439	30	40.42	39.21
May	0.461	31	43.86	42.54
Jun		30	0.00	0.00
Jul		31	0.00	0.00
Aug		31	0.00	0.00
Sep		30	0.00	0.00
Oct		31	0.00	0.00
Nov		30	0.00	0.00
Dec		31	0.00	0.00
TOTAL	2.231	365	206.84	200.63

Daily mean flow x #days mo X 1,000,000 = gal/mo
divided by 7.48 divided by 43560 = A/F mo

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CALENDAR YEAR 2026

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	Pumped (Acre-Feet)												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Pumped from Wells													
Well #8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Well #15 (FKA #10)	9.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.10
Well #11	103.51	106.14	130.92	112.72	128.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	582.08
Well #12	10.22	27.97	44.32	47.59	59.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	189.43
Sub-Total	122.83	134.11	175.24	160.31	188.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	780.61
Delivered to Ft. Mojave Indian Tribe (AZ)	27.42	21.33	22.31	11.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82.31
Delivered to Ft. Mojave Indian Tribe (CA)	2.30	46.94	2.53	4.57	4.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.63
Sub-Total	29.72	68.27	24.84	15.82	4.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	142.94
City of Needles' Net Diversion	93.11	65.84	150.40	144.49	183.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	637.67

Return and Other Credits													
Measured Returns													
Sewer Plant's Rapid Infiltration Ponds ¹	40.42	36.93	41.53	39.21	42.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.63
Unmeasured Returns													
Percolation from Golf Course ²	0.00	9.63	17.74	27.02	14.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68.87
Percolation from Parks ³	1.46	0.40	1.90	5.41	4.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.85
Percolation from Large Commercial Users ⁴	0.88	0.53	1.23	1.01	1.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.45
System Losses ⁵	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Septic Tank Returns ⁶	4.12	3.84	4.41	4.22	4.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.72
Total Unmeasured Returns	6.46	14.40	25.28	37.66	25.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.89
Total Returns	46.88	51.33	66.81	76.87	67.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	309.52

Footnotes:
1/Calculated as WWTP Total Discharge*0.97.
2/Calculated as Monthly Delivery to Golf Course*Efficiency-Monthly ET. Efficiency =0.9
3/Calculated as Delivery to Parks,Ballparks,Cemetry*0.40.
4/Calculated as 24% of Deliveries to Commercial Accounts*0.10.
5/Calculated as City of Needles' Net Diversions-Total Uses.
6/Total Annual UMRF from septic tanks = 50; assumes 210 septic units*0.6 AF/y*0.40 (where 0.40 = UMRF Factor). Annual volume is distributed monthly using a monthly distribution factor.

Consumptive Use													
Diversion	93.11	65.84	150.40	144.49	183.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	637.67
Measured Returns	40.42	36.93	41.53	39.21	42.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.63
Unmeasured Returns	6.46	14.40	25.28	37.66	25.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.89
Consumptive Use	46.23	14.51	83.59	67.62	116.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	328.15