

RECLAMATION

Managing Water in the West

BOYSEN RESERVOIR OPERATIONS

Water Supply Forecasts and Reservoir Operations

Prepared February 2019

End of December Elevation and Storage: 4716.72 FT & 592,822 Acre-Feet

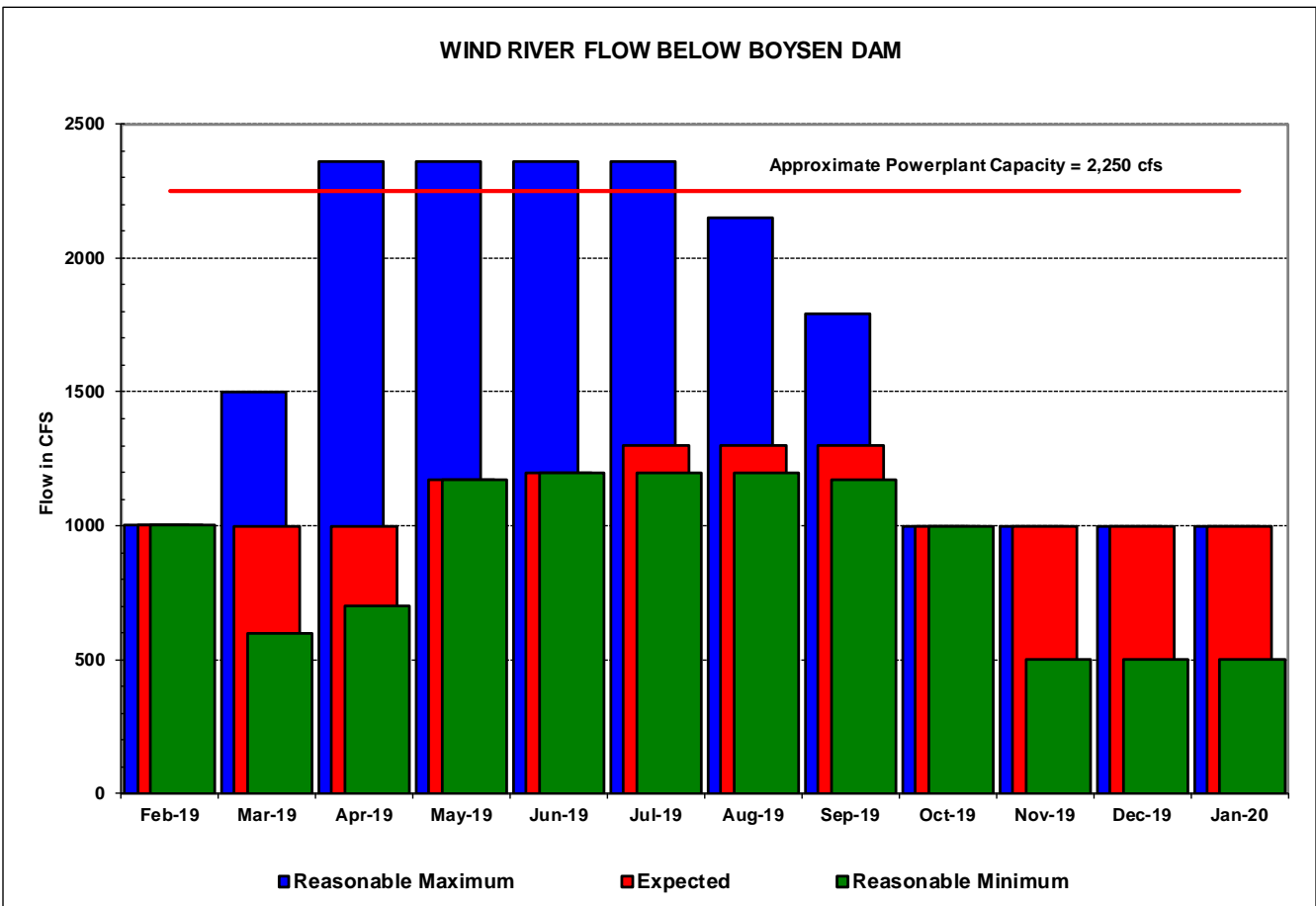
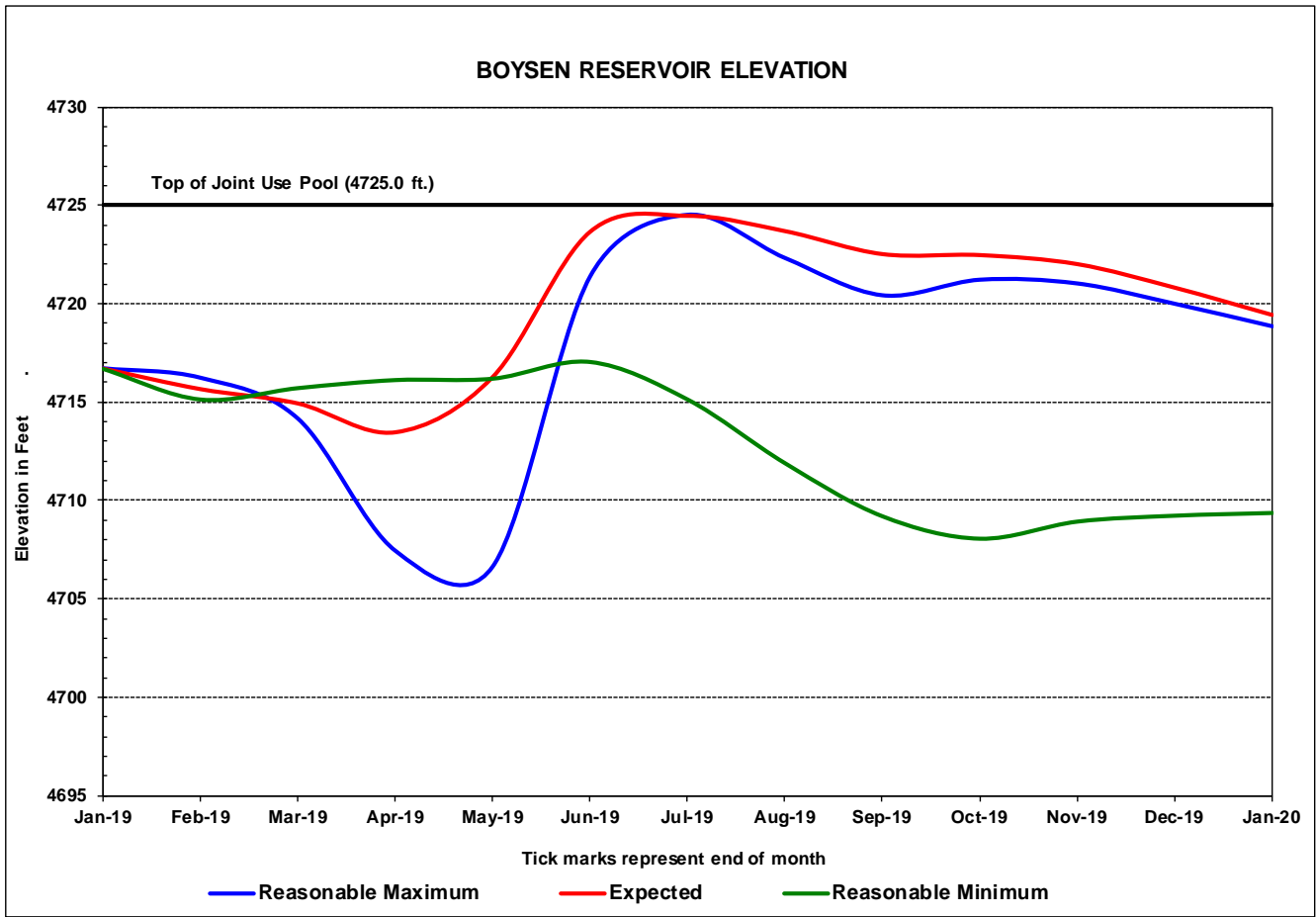
Actual Inflows (1,000 Acre-Feet):

<u>Month</u>	<u>Inflow</u>	<u>Percent of Normal</u>
February 18	47.5	126
March 18	73.0	141
April 18	62.2	127
May 18	366.8	285
June 18	435.6	162
July 18	142.4	109
August 18	41.7	84
September 18	38.4	82
October 18	50.0	91
November 18	50.8	104
December 18	42.4	111
January 19	41.0	110



U.S. Department of the Interior
Bureau of Reclamation
Great Plains Region
Wyoming Area Office
Mills, Wyoming

BOYSEN RESERVOIR



BOYSEN RESERVOIR MONTHLY OPERATIONS

Boysen Reservoir	2019	Initial Cont Elev 4716.72 ft				Maximum Cont Elev 4732.20 ft				Minimum Cont Elev 4685.00 ft			
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Monthly Inflow	kaf	38.9	50.2	37.2	115.6	201.8	95.4	65.1	55.2	60.5	51.0	39.6	36.8
Monthly Inflow	cfs	700	816	625	1880	3391	1552	1059	928	984	857	644	598
Turbine Release	kaf	55.6	61.5	59.5	72.2	71.4	79.9	80.0	77.3	61.5	48.9	61.5	61.5
Bypass/Spill	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0	0.0
Total Release	kaf	55.6	61.5	59.5	72.2	71.4	79.9	80.0	77.3	61.5	59.5	61.5	61.5
Total Release	cfs	1001	1000	1000	1174	1200	1299	1301	1299	1000	1000	1000	1000
End-Month Content	kaf	576.1	564.8	542.5	585.9	716.3	731.8	716.9	694.8	693.8	685.3	663.4	638.7
End-Month Elevation	ft	4715.67	4714.94	4713.47	4716.29	4723.69	4724.50	4723.72	4722.55	4722.50	4722.04	4720.84	4719.45
Net Change Content	kaf	-16.7	-11.3	-22.3	43.4	130.4	15.5	-14.9	-22.1	-1.0	-8.5	-21.9	-24.7

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		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Monthly Inflow	kaf	31.0	46.0	48.1	73.3	85.1	43.5	25.4	31.9	46.2	41.4	34.9	32.5
Monthly Inflow	cfs	558	748	808	1192	1430	707	413	536	751	696	568	529
Turbine Release	kaf	55.6	36.9	41.7	72.2	71.4	73.8	73.8	69.7	61.5	29.8	30.7	30.7
Bypass/Spill	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Release	kaf	55.6	36.9	41.7	72.2	71.4	73.8	73.8	69.7	61.5	29.8	30.7	30.7
Total Release	cfs	1001	600	701	1174	1200	1200	1200	1171	1000	501	499	499
End-Month Content	kaf	568.2	577.3	583.7	584.8	598.5	568.2	519.8	482.0	466.7	478.3	482.5	484.3
End-Month Elevation	ft	4715.16	4715.74	4716.15	4716.22	4717.07	4715.16	4711.92	4709.22	4708.08	4708.95	4709.25	4709.39
Net Change Content	kaf	-24.6	9.1	6.4	1.1	13.7	-30.3	-48.4	-37.8	-15.3	11.6	4.2	1.8

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		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Monthly Inflow	kaf	47.9	60.0	46.1	134.7	365.3	203.9	90.6	72.1	75.7	56.1	43.0	41.7
Monthly Inflow	cfs	862	976	775	2191	6139	3316	1473	1212	1231	943	699	678
Turbine Release	kaf	55.6	92.1	135.2	136.9	137.8	134.5	132.2	106.6	61.5	49.4	61.5	61.5
Bypass/Spill	kaf	0.0	0.0	5.2	8.2	2.7	10.6	0.0	0.0	0.0	10.1	0.0	0.0
Total Release	kaf	55.6	92.1	140.4	145.1	140.5	145.1	132.2	106.6	61.5	59.5	61.5	61.5
Total Release	cfs	1001	1498	2360	2360	2361	2360	2150	1791	1000	1000	1000	1000
End-Month Content	kaf	585.1	553.0	458.7	448.3	673.1	731.9	690.3	655.8	670.0	666.6	648.1	628.3
End-Month Elevation	ft	4716.24	4714.17	4707.47	4706.67	4721.38	4724.50	4722.31	4720.42	4721.21	4721.02	4719.99	4718.85
Net Change Content	kaf	-7.7	-32.1	-94.3	-10.4	224.8	58.8	-41.6	-34.5	14.2	-3.4	-18.5	-19.8