

AGENCY REPORT

To Be Included in the Notes of the Water Forum

Date of Water Forum Meeting – November 14, 2017

Agency: Bureau of Reclamation, Wyoming Area Office

Name of Representative: Arthur W. Hill phone 307-261-5633

The following is a table of end of day reservoir conditions for October 31, 2017:

1. Water Supply Conditions of the North Platte River Basin.

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full Conservation Storage</u>	<u>% Avg.</u>
Seminoe	6346.04	813,118	80	140
Pathfinder	5840.30	815,787	76	161
Alcova	5488.70	157,622	85	101
Glendo	4594.51	149,382	30	86
Guernsey	4401.67	11,566	25	203

October 30, 2016 Water Supply Conditions

	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full Conservation Storage</u>	<u>% Avg.</u>
Seminoe	6344.24	782,972	77	135
Pathfinder	5844.34	894,873	84	177
Alcova	5488.93	158,144	86	101
Glendo	4601.38	190,508	39	109
Guernsey	4370.00	0	NA	NA

Inflow Volumes for Water Year 2018

<u>Reservoir</u>	<u>Inflows (KAF)</u>	<u>% of Average</u>
Seminoe	35.0	130
Pathfinder Gains from Kor.	0.8	17
Alcova to Glendo Gains	11.5	106
Glendo to Guernsey Gains	2.4	103

October inflows were above or near average for Seminoe, Glendo, and Guernsey Reservoirs which were 130%, 106%, and 103% of average respectively. However, Pathfinder inflows were well below average at 17%.

The Kendricks Project's end of October ownership was about 1,144,600 acre-feet (AF) on October 31, 2017, which is approximately 133% of average (856,400 AF), and is slightly higher than the project's ownership of 1,114,300 AF end of October for Water Year 2017.

The October 31, 2017, North Platte ownership was about 608,100 AF, which is approximately 145% of average (420,800 AF), and below the 713,700 AF end of October ownership for Water Year 2017.

Flows in the Miracle Mile below Kortez Dam are approximately 530 cubic feet per second (cfs). Releases from Gray Reef Reservoir are approximately 500 cfs. The level of Alcova Reservoir is at the winter operating range of 5488 ± one foot.

2. Water Supply Conditions of the Big Horn Basin

October 31, 2017 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full Conservation Storage</u>	<u>% Avg.</u>
Bull Lake	5788.70	104,275	68	140
Boysen	4722.53	696,773	94	121
Buffalo Bill	5374.49	500,432	77	117
Pilot Butte	5453.80	28,343	84	105

October 31, 2016 Water Supply Conditions

<u>Reservoir</u>	<u>Elev. (Ft)</u>	<u>Content (AF)</u>	<u>% Full Conservation Storage</u>	<u>% Avg.</u>
Bull Lake	5756.30	29,682	19	39
Boysen	4719.99	648,184	87	112
Buffalo Bill	5366.19	441,268	68	103
Pilot Butte	5455.47	29,751	88	110

* The average used for Buffalo Bill Reservoir reflects data from 1993 through 2017. In 1992, the capacity of the reservoir was increased to approximately 646,565 AF as a result of raising the dam. A long term average cannot be calculated until several years of operation occur under the increased storage.

Inflow Volumes for Water Year 2018

<u>Reservoir</u>	<u>Inflow (KAF)</u>	<u>% of Average</u>
Bull Lake	8.3	135
Boysen	114.5	218
Buffalo Bill	55.0	214

Inflows to Bull Lake, Boysen, and Buffalo Bill Reservoirs were 135, 218, and 214% of average. Total inflow during the month of October are well above average for Water Year 2018.

The flow rate below Buffalo Bill Reservoir, as measured by the Cody River Gage, is approximately 900 cfs and is scheduled to be at this discharge to achieve desirable winter reservoir level by November 30. The release from Boysen Dam is approximately 1,500 cfs and will remain at this release to achieve desirable winter reservoir levels.