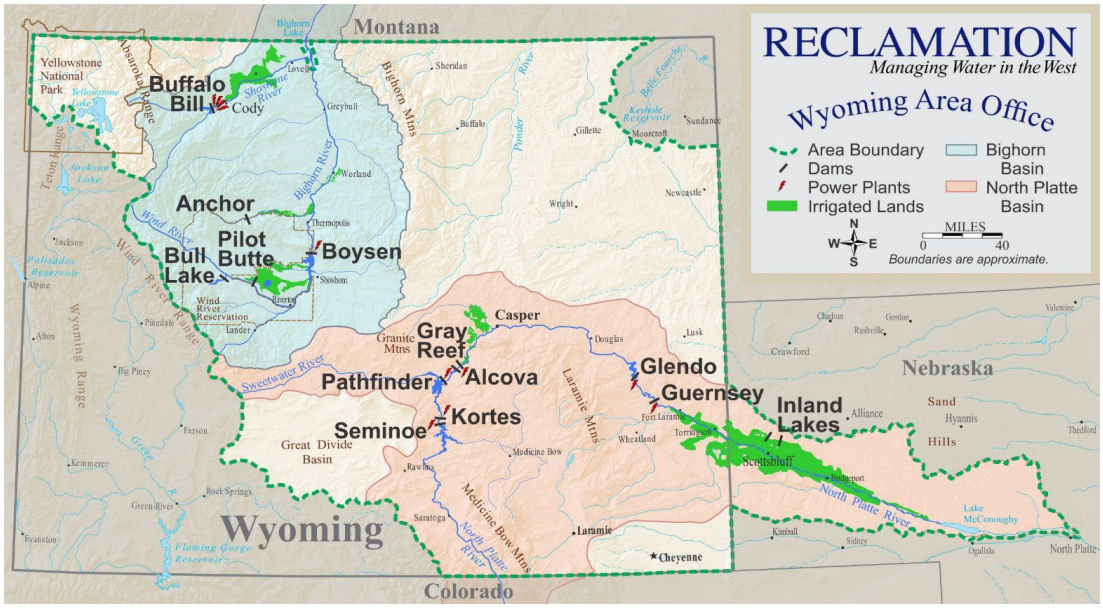
North Platte River Basin Water Supply and Utilization Report
Wyoming Area Office
Report for November 2023



The Wyoming Area Office of the Bureau of Reclamation is responsible for the operation of Reclamation reservoirs in Wyoming east of the Continental Divide except for Keyhole Reservoir. Four off-stream reservoirs in Nebraska commonly referred to as the Inland Lakes also fall within the Wyoming Area. The North Platte River Basin Reservoirs have a combined storage capacity of 2,800,000 acre-feet. The major reservoirs in the Shoshone and Wind/Bighorn Basins have a combined storage capacity of 1,600,000 acre-feet.

Bureau of Reclamation
Missouri Basin Region
Wyoming Area Office
Mills, Wyoming

December 2023

Report for November 2023
WATER SUPPLY AND UTILIZATION REPORT
NORTH PLATTE RIVER BASIN
WYOMING AREA OFFICE

This report concerns the operation of Reclamation facilities in the North Platte River River Basins.

Reclamation defines a water year as the time period of October 1 through September 30. Water year is abbreviated in this report as W. Yr.

Other organizations furnished information for the Water Supply and Utilization Report. Their cooperation is greatly appreciated.

This report is available on the Internet and can be accessed by following these steps:

1. **Log on to the Missouri Basin and Arkansas-Rio Grande-Texas Gulf Regions Home Page at http://www.usbr.gov/gp**
2. **Select Water Operations.**
3. **Select Water Management Information.**
4. **Select Water Supply Report.**
5. **Under North Platte River Basin, select the current report or reports from the previous 12 months**.

NORTH PLATTE RIVER BASIN INFLOW

November Inflow and Historical Inflows, values in 1,000 acre-feet

Reservoir	W. Yr. 2024	30 Yr. Avg. [5]	% of Avg.	W. Yr. 2023	W. Yr. 2022	W. Yr. 2021
Seminoe	23.0	29.3	79%	20.2	28.0	22.7
Pathfinder [1,2]	0.8	3.9	20%	4.7	0.3	-2.9
Glendo [3]	9.3	9.2	101%	5.8	7.3	7.4
Guernsey [4]	1.0	1.7	56%	1.2	1.4	1.1
System Total	34.1	44.1	77%	31.9	36.9	28.3

1 It is assumed that there is no gain between Seminoe and Kortes Dams.

2 River gain between Kortes and Pathfinder Dams.

3 River gain between Pathfinder and Glendo Dams.

4 River gain between Glendo and Guernsey Dams.

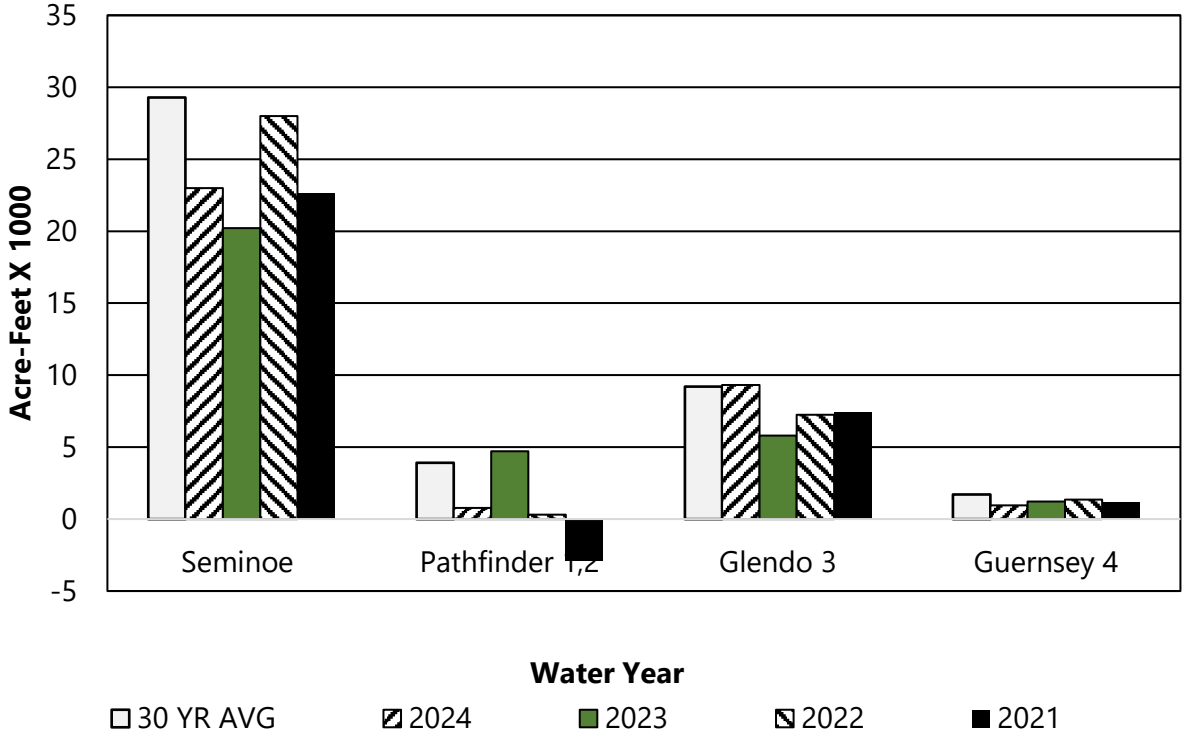
5 30 year average. (1994-2023)

November Accumulated Water Year Inflows, values in 1,000 acre-feet

Reservoir	W. Yr. 2024	30 Yr. Avg.	% of Avg.
Seminoe	45.7	57.0	80%
Pathfinder	4.6	8.2	57%
Glendo	22.7	19.4	117%
Guernsey	3.6	4.0	91%
System Total	76.7	88.6	87%

NORTH PLATTE RIVER BASIN RESERVOIR INFLOW

November



NORTH PLATTE RIVER BASIN OUTFLOW

November Outflow and Historical Outflows, values in 1,000 acre-feet

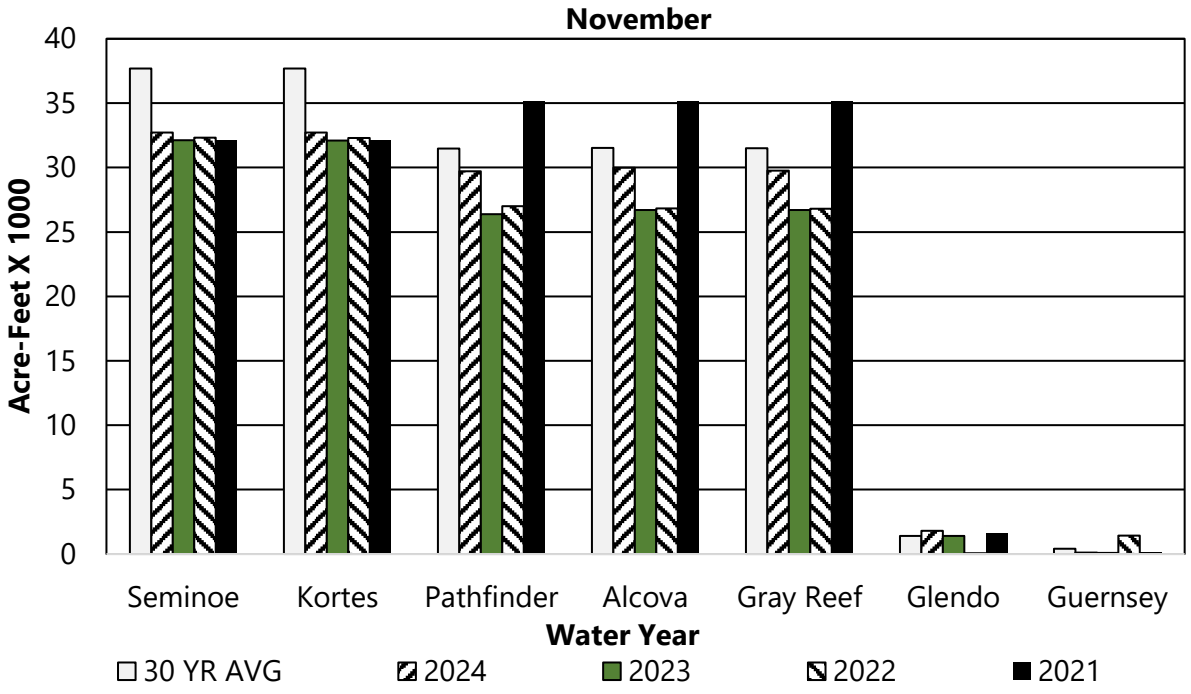
Reservoir	W. Yr. 2024	30 Yr. Avg. [1]	% of Avg.	W. Yr. 2023	W. Yr. 2022	W. Yr. 2021
Seminoe	32.7	37.7	87%	32.1	32.3	32.1
Kortes	32.7	37.7	87%	32.1	32.3	32.1
Pathfinder	29.7	31.5	94%	26.4	27.0	35.1
Alcova	30.0	31.5	95%	26.7	26.8	35.1
Gray Reef	29.8	31.5	95%	26.7	26.8	35.1
Glendo	1.8	1.4	129%	1.4	0.1	1.6
Guernsey	0.1	0.4	29%	0.1	1.4	0.1

1. 30 year average is based on the 1994- 2023 period.

November Accumulated Water Year Outflows, values in 1,000 acre-feet

Reservoir	W. Yr. 2024	30 Yr. Avg. [2]	% of Avg.
Seminoe	66.9	74.0	90%
Kortes	66.9	74.0	90%
Pathfinder	37.1	44.4	84%
Alcova	60.7	68.9	88%
Gray Reef	60.5	68.8	88%
Glendo	3.8	3.4	111%
Guernsey	0.2	2.7	9%

NORTH PLATTE RIVER BASIN RESERVOIR OUTFLOW

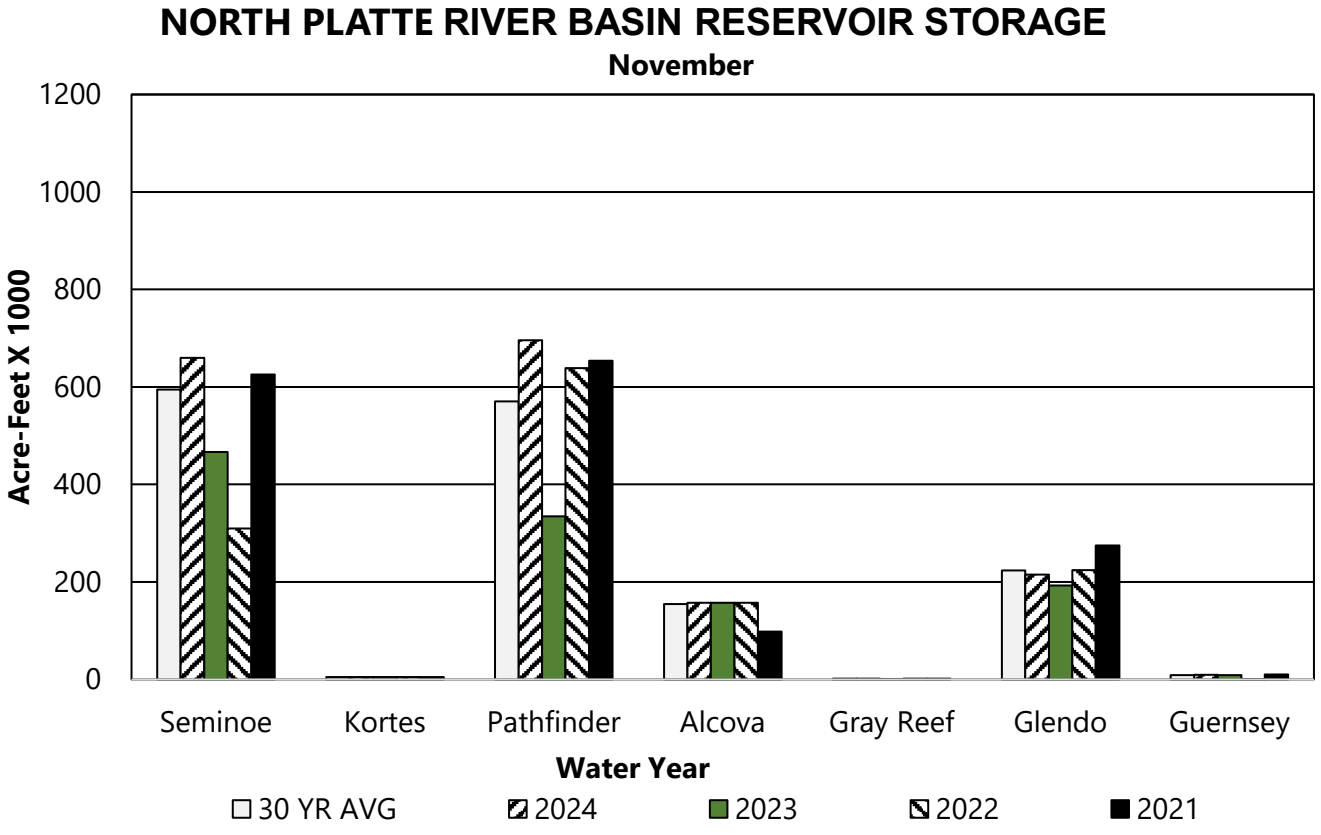


NORTH PLATTE RIVER BASIN RESERVOIR STORAGE

November Storage, Historical Storage, and Storage Capacity in 1,000 acre-feet

Reservoir	W. Yr. 2024	30 Yr. Avg. [1]	% of Avg.	W. Yr. 2023	W. Yr. 2022	W. Yr. 2021	Total Conservation Storage Capacity	Percent of Capacity
Seminoe	659.7	595.0	111%	466.3	309.6	625.7	1017.3	65%
Kortes	4.7	4.7	101%	4.7	4.7	4.7	4.7	101%
Pathfinder	695.8	570.6	122%	334.6	638.8	653.8	1070.0	65%
Alcova	157.1	154.7	102%	157.0	157.3	98.4	184.4	85%
Gray Reef	1.5	1.4	108%	1.2	1.6	1.8	1.8	86%
Glendo	215.4	223.5	96%	192.9	224.4	275.1	492.0	44%
Guernsey	9.5	9.0	105%	8.8	0.6	10.3	45.6	21%
Total	1743.8	1558.9	112%	1165.5	1336.9	1669.8	2815.8	62%

1 Average is based on the 1994-2023 period.



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP

November Storage, Historical Storage, and Storage Capacity in 1,000 acre-feet

Reservoir	W. Yr. 2024	30 Yr. Avg. [7]	% of Avg.	W. Yr. 2023	W. Yr. 2022	W. Yr. 2021	Total Conservation Storage Capacity	Percent of Capacity
Kendrick	913.1	886.2	103%	824.9	948.0	1068.0	1201.7	76%
North Platte [1]	639.3	504.2	127%	196.8	218.6	429.4	1115.6	57%
Glendo	144.1	129.5	111%	116.8	132.1	129.3	171.7	84%
Inland Lakes [2]	26.1	21.3	122%	16.5	16.1	23.0	46.0	57%
Cheyenne [3,4]	8.9	6.0	148%	8.6	8.4	10.3	15.7	56%
PacifiCorp [5]	2.0	2.0	100%	2.0	2.0	2.0	2.0	100%
Other [6]	10.3	9.5	109%	0.1	11.2	7.8	N/A	N/A

1 This includes North Platte Guernsey and North Platte Pathfinder.

2 Water stored temporarily in mainstem facilities for later transfer to the Inland Lakes. This table does not reflect water currently stored in the Inland Lakes.

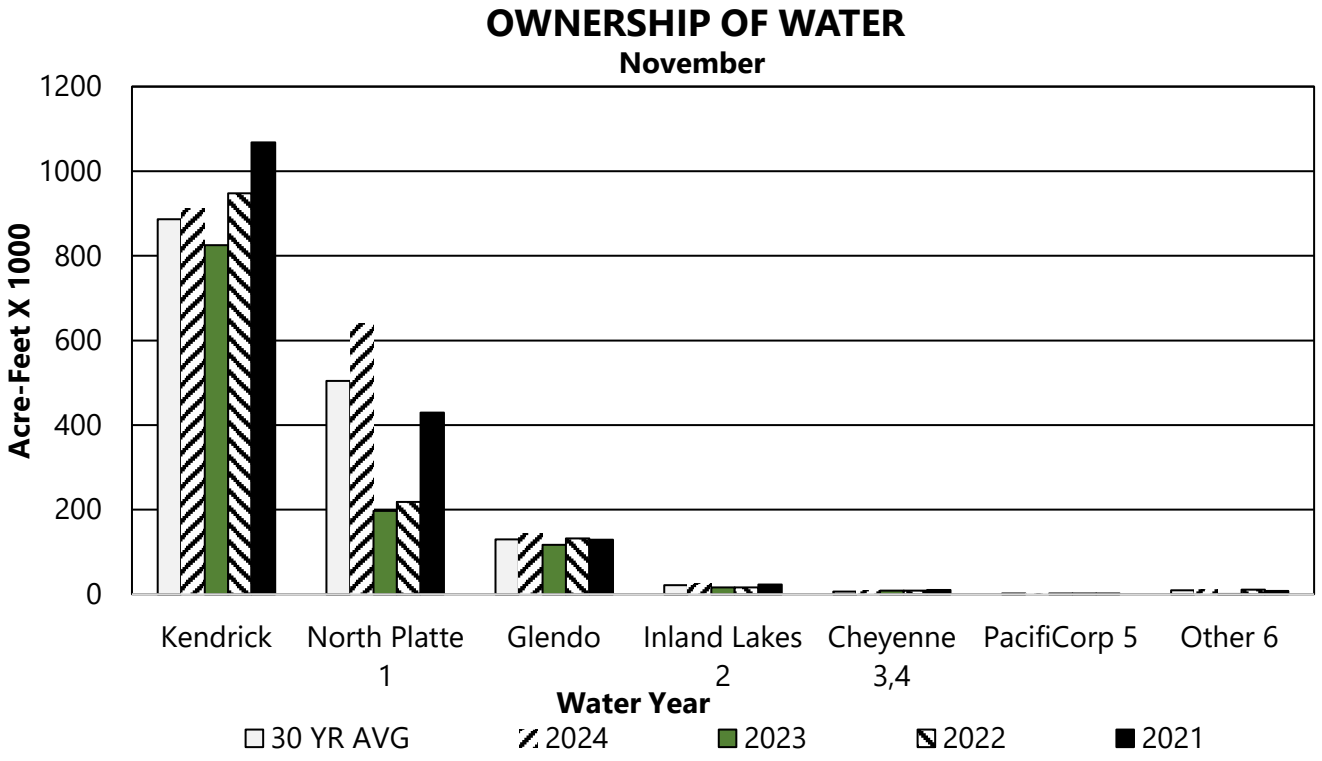
3 The City of Cheyenne has a storage contract to store water in Seminoe Reservoir by exchange of Upper North Platte Basin water through a system of trans-basin diversions.

4 Cheyenne ownership was increased to 15,700 AF on March 13, 2009 as a result of Amendment No. 1 to Contract No. 06XX6A0062.

5 PacifiCorp has a storage contract to store water in Glendo Reservoir for Dave Johnston Powerplant.

6 Water which is captured in the re-regulation space of Glendo in addition to storage rights, operational water account, and replacement of evaporation losses is labeled as "Re-regulation of Natural Flow" per Wyoming Board of Control Order Docket Number I-2000-3-8 in water Division Number One. In accordance with 2022 Natural Flow and Ownership Procedures, the operational account can contain up to 15,000 acre-feet. On November 30, 2023, the Operational account contained 10,315 Acre-feet, the Re-Regulation space contained 0 Acre-feet.

7 Average is based on the 1994-2023 period.



INLAND LAKES RESERVOIR STORAGE

November Storage, and Storage Capacity in acre-feet

Reservoir	W. Yr. 2024	30 Yr. Avg. [5]	% of Avg.	Total Storage Capacity	
Lake Alice	763	660	116%	11,034	[1]
Little Lake Alice	123	130	95%	1,166	[2]
Lake Winters Creek	1,399	850	165%	1,746	[3]
Lake Minatare	31,105	26,050	119%	58,795	[4]

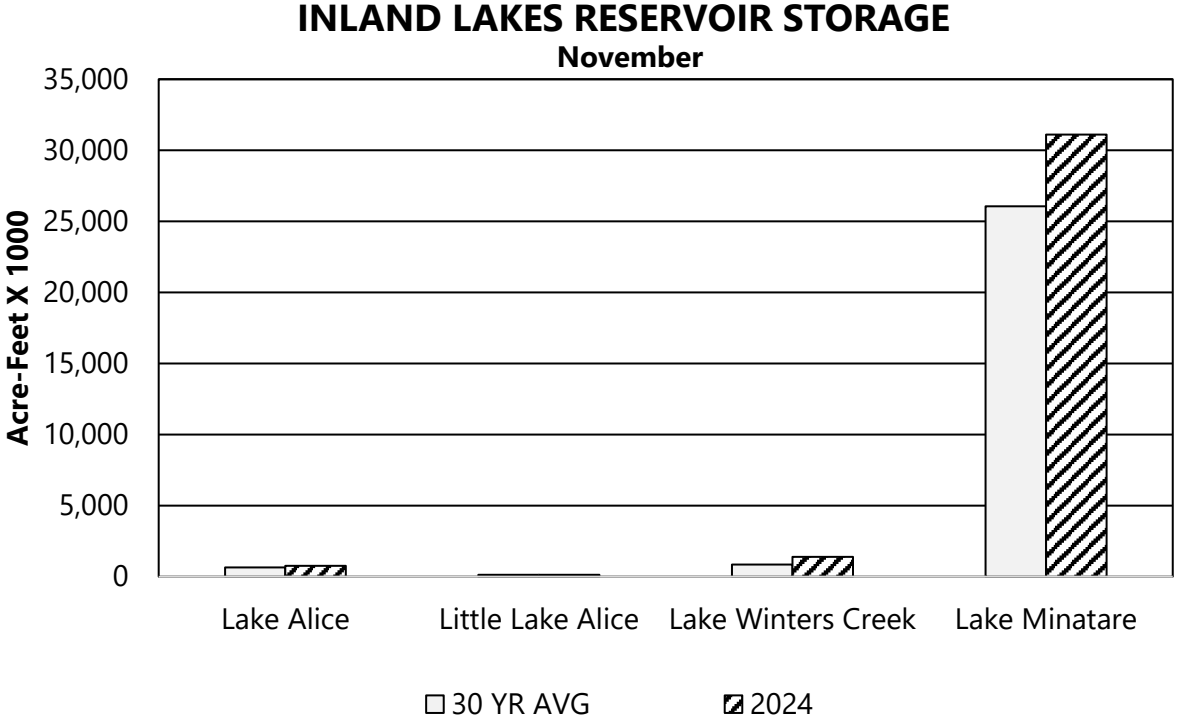
1 At Elevation 4182.0

2 At Elevation 4139.0

3 At Elevation 4129.0

4 At Elevation 4125.0

5 30 year average. (1994-2023)



NORTH PLATTE RIVER BASIN GROSS GENERATION

November Gross Generation and Historical Generation in Giga Watt Hours

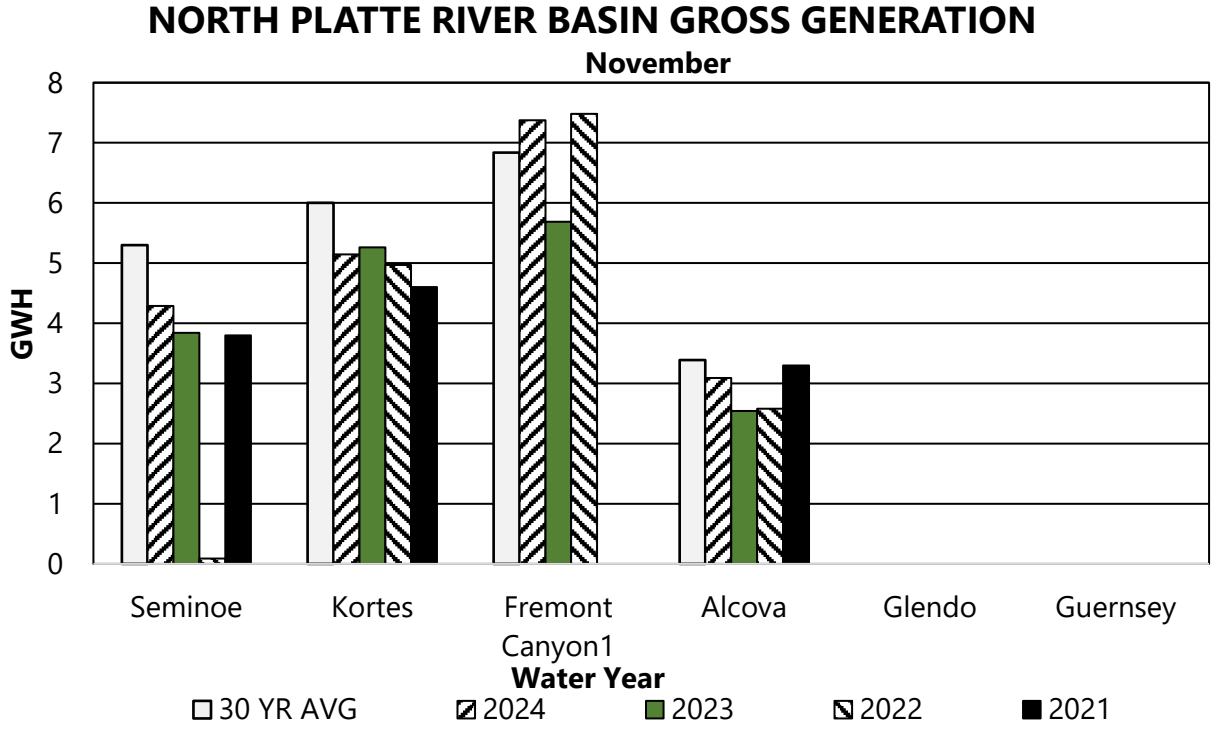
Powerplant	W. Yr. 2024	30 Yr. Avg. [2]	% of Avg.	W. Yr. 2023	W. Yr. 2022	W. Yr. 2021
Seminoe	4.3	5.3	81%	3.8	0.1	3.8
Kortes	5.1	6.0	86%	5.3	5.0	4.6
Fremont Canyon[1]	7.4	6.8	108%	5.7	7.5	0.0
Alcova	3.1	3.4	91%	2.5	2.6	3.3
Glendo	0.0	0.0	n/a	0.0	0.0	0.0
Guernsey	0.0	0.0	n/a	0.0	0.0	0.0

1 The powerplant for Pathfinder Dam is Fremont Canyon.

2 Average is based on the 1994-2023 period.

November Accumulated Gross Generation Water Year in Giga Watt Hours

Powerplant	W. Yr. 2024	30 Yr. Avg. [2]	% of Avg.
Seminoe	8.9	10.1	88%
Kortes	10.8	11.8	92%
Fremont Canyon[1]	7.7	8.9	87%
Alcova	6.2	7.5	83%
Glendo	0.0	0.0	n/a
Guernsey	0.0	0.0	n/a



NORTH PLATTE SNOWPACK WATER CONTENT

The tables shown below display the Snotel Sites used in the development of the April-July snowmelt runoff forecasts

December 1st Snow Water Equivalent — SWE in inches

WATERSHED	W. Yr. 2024 [3]	30 Yr. Median [2]	% of Median	W. Yr. 2023	W. Yr. 2022	W. Yr. 2021
Seminoe Reservoir	2.4	5.0	47%	4.4	3.2	3.6
Pathfinder Reservoir	2.7	3.8	71%	4.9	3.1	3.3
Glendo Reservoir	1.1	2.5	43%	2.2	1.2	0.3

Seminoe Reservoir Watershed

SWE in inches [1]

Snotel Stations (Elevation)	Water Content [3]	30 Yr. Median [2]
Arapaho Ridge (10,960)	2.2	5.8
Columbine (9,160)	1.5	4.4
Divide Peak (8,880)	2	4.1
Joe Wright (10,120)	3.1	5.6
Laprele Creek (8,375)	0.6	1.8
North French (10,130)	2.8	6.6
Never Summer (10,280)	4.2	5.4
Old Battle (10,000)	3.4	7.6
Rawah (9,020)	1.2	2.8
Sage Creek Basin (7,850)	0.7	2.3
Sand Lake (10,050)	4.2	7.3
South Brush (8,440)	0.4	2.8
Tower (10,500)	4.2	10
Webber Springs (9,250)	2.5	4.8
Willow Creek Pass (9,540)	2.8	3.8
Zirkel (9,340)[4]	1.8	5.2
Watershed Average	**2.4**	**5.0**

Sweetwater River / Pathfinder Reservoir Watershed

SWE in inches [1]

Snotel Stations (Elevation)	Water Content [3]	30 Yr. Median [2]
South Pass (9,040)	2.4	3.6
Deer Park (9,700)	2.9	3.9
Watershed Average	**2.7**	**3.8**

Glendo Reservoir Watershed

SWE in inches [1]

Snotel Stations (Elevation)	Water Content [3]	30 Yr. Median [2]
Casper (7,900)	1.7	3.2
Laprele Creek (8,375)	0.6	1.8
Reno Hill (8,500)	1.2	3.5
Windy Peak (7,900)	0.8	1.6
Watershed Average	**1.1**	**2.5**

[1] SWE (Snow Water Equivalent is the amount of water in the snowpack expressed in inches)

[2] Median for the 1991-2020 period

[3] Data from NRCS Snowpack Telemetry Network (SNOTEL) Sites.

[4] Zirkel is a newer gage starting WY 2003, NRCS median is 17 years of data within 1991-2020 time period.