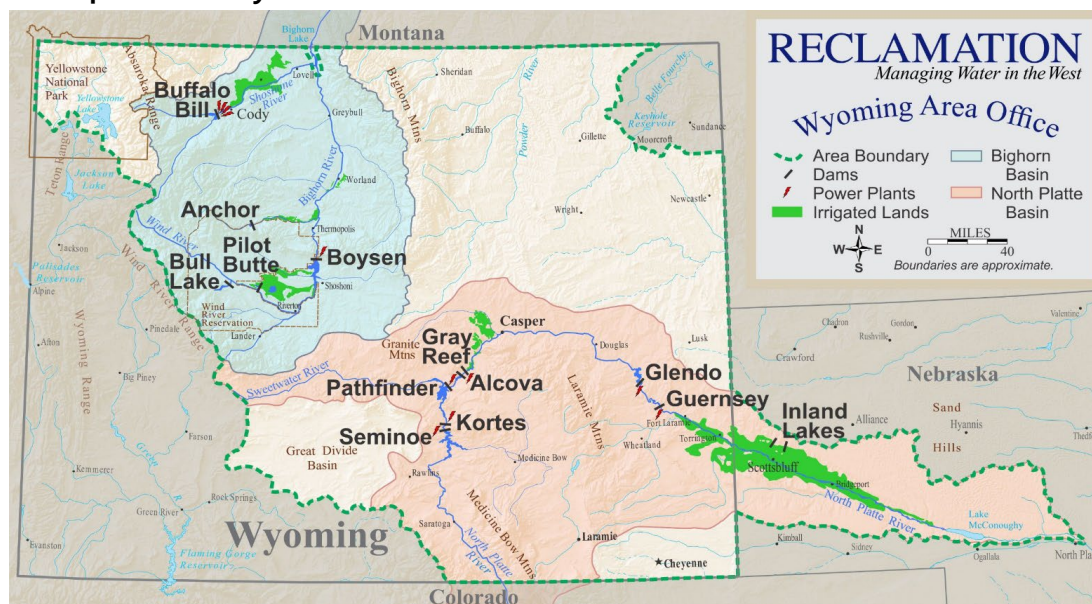




BUREAU OF RECLAMATION

North Platte River Basin Water Supply and Utilization Report Wyoming Area Office Report for July 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.

Report for July 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 Great Plains 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

JULY

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

Reservoir	W. Yr. 2023	30 Yr. Avg. ⁵	% of Avg.	W. Yr. 2022	W. Yr. 2021	W. Yr. 2020
Seminole	75.1	97.4	77%	54.0	38.8	46.1
^{1,2} Pathfinder	9.0	4.0	225%	6.5	-17.3	-5.8
³ Glendo	16.5	2.4	690%	1.2	3.7	2.2
⁴ Guernsey	0.2	0.1	151%	1.3	0.5	-1.6
System Total	100.8	103.9	97%	63.0	25.7	40.9

¹ It is assumed that there is no gain between Seminole 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. (1993-2022)

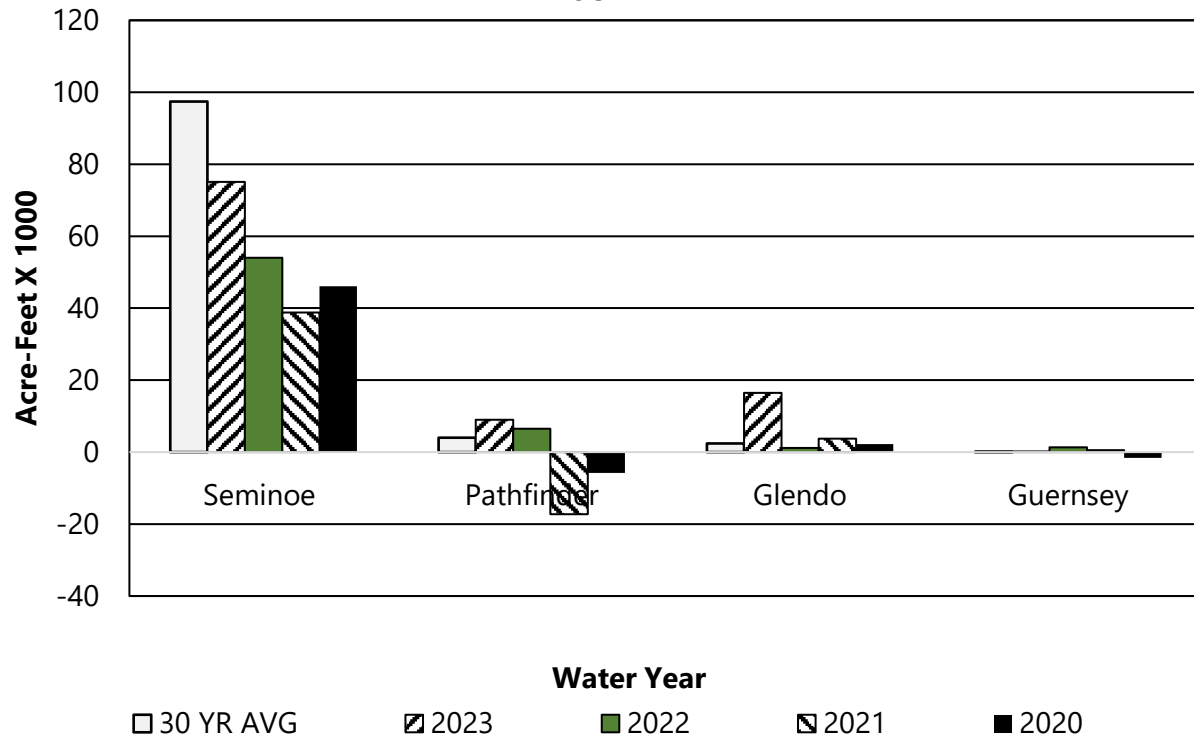
JULY

Accumulated Water Year Inflows

Reservoir	W. Yr. 2023	30 Yr. Avg.	% of Avg.
Seminole	1104.5	912.1	121%
Pathfinder	138.8	98.0	142%
Glendo	278.7	211.5	132%
Guernsey	22.8	32.9	69%
System Total	1544.8	1254.5	123%

NORTH PLATTE RIVER BASIN RESERVOIR INFLOW

JULY



NORTH PLATTE RIVER BASIN OUTFLOW

JULY

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

Reservoir	W. Yr. 2023	30 Yr. Avg. ²	% of Avg.	W. Yr. 2022	W. Yr. 2021	W. Yr. 2020
Seminole	139.7	127.4	110%	41.7	116.2	135.3
Kortes	139.8	127.4	110%	41.6	116.1	135.3
Pathfinder	115.4	183.7	63%	205.1	173.3	243.0
Alcova	99.2	164.2	60%	184.6	157.2	219.2
Gray Reef	99.2	164.1	60%	184.5	157.2	219.1
¹ Glendo	233.7	305.5	76%	281.2	264.3	287.9
Guernsey	247.6	311.6	79%	283.0	264.1	285.9

1. In 1993 an outlet was constructed at Glendo Dam which is used to provide a flow of approximately 25 cubic feet per second, 29 year average (1994-2022)

2. 30 year average is based on the 1993- 2022 period.

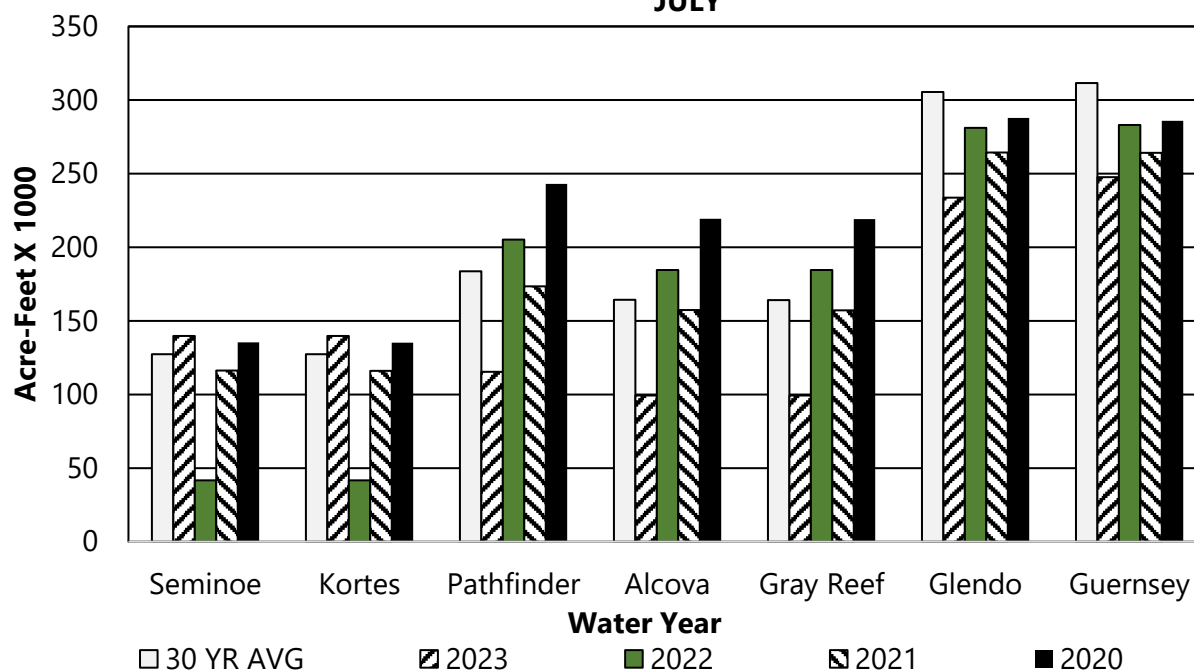
JULY

Accumulated Water Year Outflows

Reservoir	W. Yr. 2023	30 Yr. Avg. ²	% of Avg.
Seminole	773.5	785.9	98%
Kortes	773.4	785.7	98%
Pathfinder	491.4	756.2	65%
Alcova	458.8	709.9	65%
Gray Reef	458.4	709.4	65%
¹ Glendo	455.5	694.3	66%
Guernsey	465.2	699.1	67%

NORTH PLATTE RIVER BASIN RESERVOIR OUTFLOW

JULY



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE

JULY

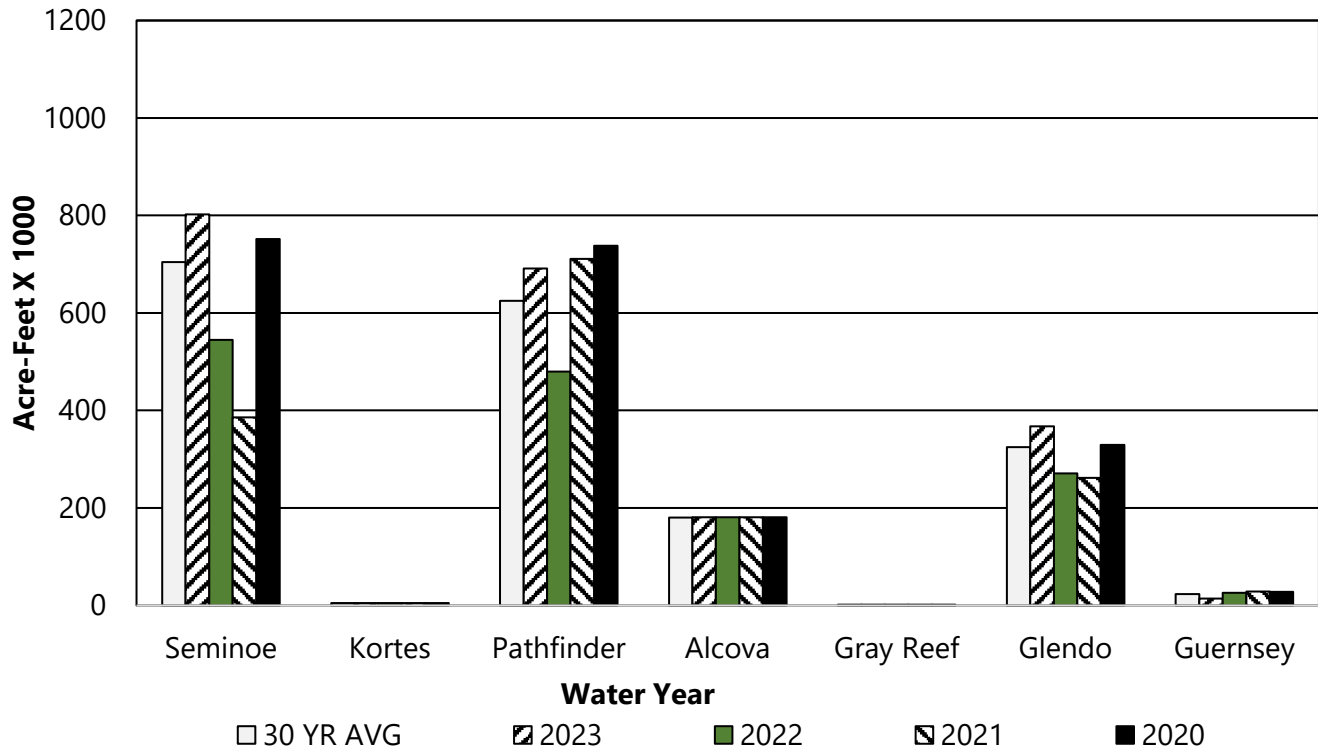
Storage, Historical Storage, and Storage Capacity

Reservoir	W. Yr. 2023	30 Yr. Avg.	% of Avg.	W. Yr. 2022	W. Yr. 2021	W. Yr. 2020	Total Conservation Storage Capacity	Percent of Capacity
Seminole	802.3	704.2	114%	544.7	385.7	751.5	1017.3	79%
Kortes	4.7	4.7	101%	4.7	4.7	4.7	4.7	100%
Pathfinder	691.1	624.9	111%	479.9	711.1	737.8	1070.0	65%
Alcova	181.0	180.6	100%	180.8	180.8	180.7	184.4	98%
Gray Reef	1.4	1.5	91%	1.6	1.8	1.7	1.8	79%
Glendo	367.7	324.8	113%	270.6	261.8	329.5	492.0	75%
Guernsey	14.1	23.2	61%	26.2	28.5	28.2	45.6	31%
Total	2062.4	1863.9	111%	1508.6	1574.4	2034.1	2815.8	73%

1 Average is based on the 1993-2022 period.

NORTH PLATTE RIVER BASIN RESERVOIR STORAGE

JULY



NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP

JULY

Storage, Historical Storage, and Storage Capacity

Reservoir	W. Yr. 2023	30 Yr. Avg.	% of Avg.	W. Yr. 2022	W. Yr. 2021	W. Yr. 2020	Total Conservation Storage Capacity	Percent of Capacity
Kendrick	945.2	932.2	101%	872.4	996.1	1104.5	1201.7	79%
¹ North Platte	938.3	738.8	127%	487.7	407.4	762.9	1115.6	84%
Glendo	161.0	144.9	111%	140.3	152.6	148.1	171.7	94%
² Inland Lakes	0.0	0.0	N/A	0.0	0.0	0.0	46.0	0%
^{3, 7} Cheyenne	6.0	2.6	227%	5.8	5.9	6.3	15.7	38%
⁴ PacifiCorp	1.0	1.9	52%	2.0	2.0	2.0	2.0	50%
⁶ Other	11.0	40.3	27%	0.4	10.4	10.4	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 PacifiCorp has a storage contract to store water in Glendo Reservoir for Dave Johnston Powerplant.

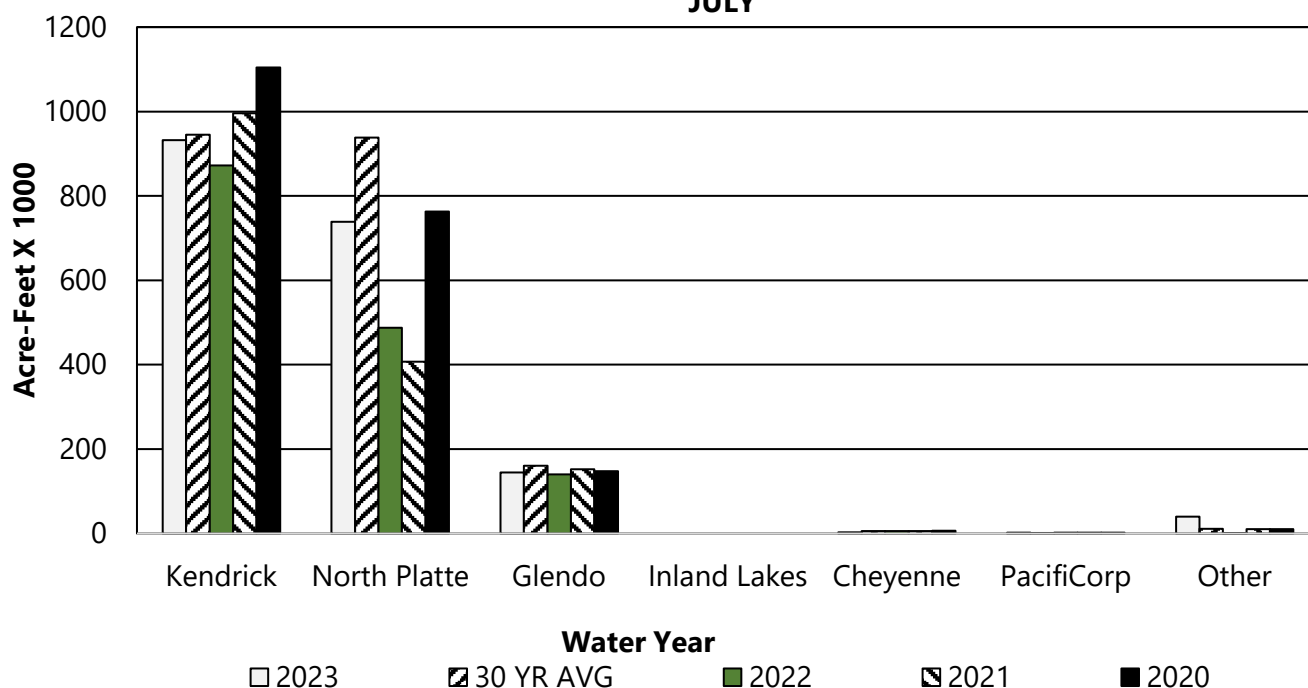
⁵ Average is based on the 1993-2022 period.

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 July 31, 2023, the Operational account contained 10,955 Acre-feet, the Re-Regulation space contained 0 Acre-feet.

⁷ Cheyenne ownership was increased to 15,700 AF on March 13, 2009 as a result of Amendment No. 1 to Contract No. 06XX6A0062.

OWNERSHIP OF WATER

JULY



INLAND LAKES RESERVOIR STORAGE

JULY

Storage, and Storage Capacity

Reservoir	W. Yr. 2023	30 Yr. Avg.	% of Avg.	Total Storage Capacity
Lake Alice	6,790	4,211	161%	11,034 ¹
¹ Little Lake Alice	366	343	107%	1,166 ²
⁴ Lake Winters Creek	1,102	876	126%	1,746 ³
⁶ Lake Minatare	46,948	31,805	148%	58,795 ⁴

1 At Elevation 4182.0

2 At Elevation 4139.0

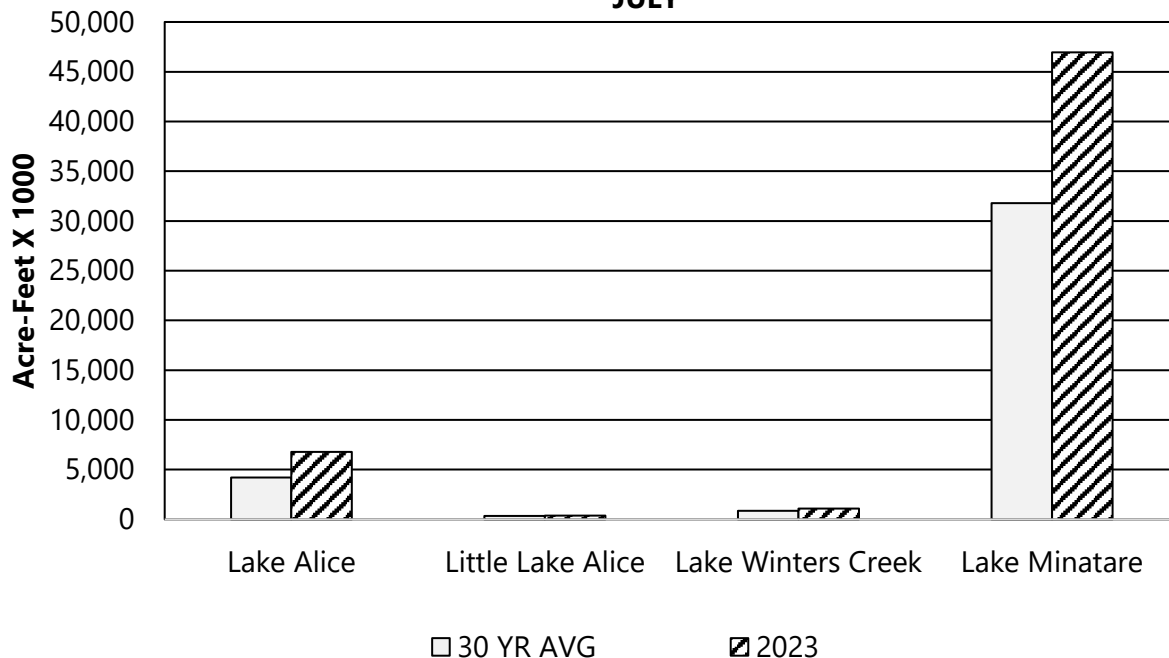
3 At Elevation 4125.0

4 At Elevation 4125.0

5 30 year average. (1993-2022)

INLAND LAKES RESERVOIR STORAGE

JULY



NORTH PLATTE RIVER BASIN GROSS GENERATION

JULY

Gross Generation and Historical Generation

Powerplant	W. Yr. 2023	30 Yr. Avg. ²	% of Avg.	W. Yr. 2022	W. Yr. 2021	W. Yr. 2020
Seminole	22.8	17.4	131%	3.9	14.3	19.5
Kortes	19.2	18.5	104%	6.7	18.0	21.3
Fremont Canyon	33.1	39.0	85%	46.1	47.6	48.2
Alcova	9.2	20.9	44%	26.1	22.4	28.8
Glendo	21.2	22.3	95%	20.4	21.2	22.8
Guernsey	2.0	2.1	94%	1.5	1.9	1.6

1 The powerplant for Pathfinder Dam is Fremont Canyon.

2 Average is based on the 1993-2022 period.

JULY

Accumulated Gross Generation Water Year

Powerplant	W. Yr. 2023	30 Yr. Avg. ²	% of Avg.
Seminole	112.4	107.3	105%
Kortes	120.3	111.5	108%
Fremont Canyon	124.5	165.4	75%
Alcova	49.1	83.7	59%
Glendo	39.8	58.1	68%
Guernsey	11.7	10.7	110%

NORTH PLATTE RIVER BASIN GROSS GENERATION

JULY

