BUREAU OF RECLAMATION

# Summary of Operations for Water Year 2024 and 2025 Operating Plan for North Platte River Basin Reservoirs

## Seminoe, Kortes, Pathfinder, Alcova, Gray Reef, Glendo, Guernsey, and Inland Lakes

Annual Operating Plan

Guernsey Reservoir Spillway, Wyoming

**Wyoming Area Office**
**Missouri Basin Region**

U.S. Department of the Interior

March 2025

# Mission Statements

The U.S. Department of the Interior protects and manages the Nation's natural resources and cultural heritage; provides scientific and other information about those resources; honors its trust responsibilities or special commitments to American Indians, Alaska Natives, Native Hawaiians, and affiliated Island Communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

**Cover Image** – Photo of Guernsey Reservoir spillway in Wyoming (Bureau of Reclamation).

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# Preface

This report documents the operation of all Bureau of Reclamation (Reclamation) facilities in the North Platte River Drainage Basin above and including Guernsey Dam and the four Inland Lakes near Scottsbluff, NE. This area of the North Platte River drainage basin is simply referred to in this report as the Basin.

References to average in this document will refer to the average of the historical record for the years 1995–2024. In each coming year this period will be advanced by 1 year to maintain a running 30-year average.

# Introduction

The system of dams, reservoirs, and powerplants on the North Platte River (System) is monitored and in most cases operated and managed from the Wyoming Area Office in Mills, WY. The operation and management of the System is aided by a Supervisory Control and Data Acquisition (SCADA) System operated from the Casper Control Center, computerized accounting processes, an extensive network of Hydromet stations, control crest measurement weirs at gaging stations, snow telemetry (SNOTEL) stations, and a snowmelt runoff forecasting procedure used by the Water & Civil Works Branch. The System consists of numerous individual water impoundment projects that were planned and constructed by the Bureau of Reclamation (Reclamation). The individual reservoirs and features are operated as an integrated system to achieve efficiencies that increase multipurpose benefits. The drainage basin of the System covers an area from northern Colorado to southeastern Wyoming, encompassing 16,224 square miles. Storage in the System include seven on-stream reservoirs and four off-stream reservoirs known as the Inland Lakes in western Nebraska as shown in figure E-1.

Approximately 70 to 80 percent of the annual North Platte River streamflow above Seminoe Dam occurs from snowmelt runoff during the April–July period. Primary water demand is irrigation, and delivery of irrigation water normally extends from May through September. Figure C-1 represents historical watershed runoff above Pathfinder Reservoir from 1906 through 2024. The System furnishes irrigation water to over 440,000 acres of land in Wyoming and Nebraska.

The System includes the Kendrick Project (formerly Casper-Alcova) in Wyoming; with major features of the project being Seminoe Dam and Powerplant, Alcova Dam and Powerplant, and Casper Canal. Kendrick Project lands lie on the northwest side of the North Platte River between Alcova Reservoir and Casper, WY. The North Platte Project in Wyoming and Nebraska consists of Pathfinder Dam and Reservoir; Guernsey Dam, Reservoir and Powerplant; Whalen Dam; Northport, Fort Laramie, and Interstate canals; and four off-stream inland reservoirs on the Interstate Canal. The Kortes Unit of the Pick-Sloan Missouri Basin Program (PS-MBP) consists of Kortes Dam, Reservoir, and Powerplant, in a narrow gorge of the North Platte River, 2 miles below Seminoe Dam. The Glendo Unit of the PS-MBP is a multiple-purpose natural resource development. It consists of Glendo Dam, Reservoir, and Powerplant; Fremont Canyon Powerplant; and Gray Reef Dam and Reservoir which is a re-regulating reservoir immediately downstream from Alcova Dam.

Major contributing rivers of the water supply in the System are the North Platte River in Colorado, the Medicine Bow River, and the Sweetwater River in Wyoming.

The System has seven mainstem reservoirs, six of which have powerplants with generating capacities totaling 239,200 kilowatts (kw). Table 1 below depicts North Platte River reservoir data. Table 24 depicts a breakdown of generating units and their capacity for each North Platte Powerplant.

The Department of Energy, by Executive Order dated October 1, 1977, assumed the responsibility of marketing power from Federal resources and operation and maintenance of federal transmission facilities.

Western Area Power Administration (Western), headquartered in Lakewood, Colorado, now operates and maintains the nearly 3,500 miles of interconnected electrical transmission lines within the System. The power generating facilities are also interconnected with other federal, public, and private power facilities. Power from Reclamation Powerplants is marketed by Western.

**Table 1.—North Platte River reservoir data**

| Reservoir (date completed) | Dead Storage [1] Acre-feet (AF) | Active Storage [2] (AF) | Total Storage (AF) | Minimum Storage (AF) [4] | Minimum Elevation (feet [ft]) [4] |
|---|---|---|---|---|---|
| Seminoe (1939) | 556 | 1,016,717 | 1,017,273 | 31,670 | 6,239.00 |
| Kortes (1951) | 151 | 4,588 | 4,739 | 1,666 | 6,092.00 |
| Pathfinder (1909) | 7 | 1,069,993 | 1,070,000 | 31,405 | 5,746.00 |
| Alcova (1938) | 91 | 184,314 | 184,405 | 137,610 [5] | 5,479.50 [5] |
| Gray Reef (1961) | 56 | 1,744 | 1,800 | 56 [6] | 5,312.00 [6] |
| Glendo (1958) | 7,010 | 756,029 | 763,039 [3] | 51,573 | 4,570.00 |
| Guernsey (1927) | 0 | 45,612 | 45,612 | 0 | 4,360.00 [7] |
| Total | 7,871 | 3,078,997 | 3,086,868 | 253,980 | |

1 Storage capacity below elevation of lowest outlet
2 Total storage minus dead storage
3 Top of conservation capacity 492,022 AF (Elevation 4,635.00 ft) with an additional 271,017 AF allocated to Flood Control (elevation 4,653.00 ft)
4 Minimum water surface elevation and capacity required for power generation this level is the top of inactive capacity
5 Content and minimum elevation required for power generation, however, water cannot be delivered to Casper Canal when reservoir level is below 5,487.00 ft (153,802 AF), the elevation of the Casper Canal Gate sill.
6 Top of dead capacity and spillway crest. Gray Reef does not produce power.
7 The penstock elevation. Elevation of the North Spillway Crest is 4,370.00 ft for delivery above powerplant capacity.

# System Planning and Control

The North Platte River storage, power generation, and water delivery System (System) operated for irrigation, hydroelectric power production, municipal, and industrial water supply. The facilities provide year-round flows in the river below each North Platte dam except for Guernsey

Dam. The facilities also provide flood control, recreation, fish and wildlife preservation. Each project of the System is operated to achieve the purposes for which it was authorized and constructed. The objective of an integrated system is to obtain optimum benefits from the individual projects.

The System's integrated operation is planned and coordinated by Reclamation's Wyoming Area Office in Mills, WY. This office collects and analyzes information daily and makes the decisions necessary for successful operation of the System. The water management function involves coordination between Reclamation, the Department of Energy, and many other local, state, and Federal agencies. When water levels rise into the exclusive flood control pool at Glendo Reservoir, the flood control operation of Glendo Dam is directed by the U.S. Army Corps of Engineers (USACE), Omaha District in Omaha, NE.

Experience has proven that optimum utilization of the available water resources in the System can be achieved only through careful budgeting of the anticipated water supply. The technical product of this budgeting process is an Annual Operating Plan (AOP).

The System is operated on a water year basis (October 1 through September 30). Early in the water year an AOP is prepared, reviewed, and presented to the public. The AOP consists of three operation studies using reasonable minimum, reasonable maximum, and most probable inflow conditions determined from statistical analysis of historical inflow conditions. The AOP, as developed and reflected in the three operation studies, provides the flexibility to adjust operations as conditions change during the water year. Reclamation makes use of computer programs to revise and adjust the operating plan each month to reflect changing conditions. A computerized process of forecasting the anticipated water supply also aids the revision process during the months of February, March, April, and May. Figure 1 depicts North Platte reservoirs end of September content for water years 1912 through 2024. Table 2 depicts end of month reservoir storage content for water year 2024 (WY2024). Table 19, 20, 21, and 22 depicts the actual reservoir operations for WY2024.

Table 2.—Summary of reservoir storage content for water year 2024 (end of month) units of acre-feet

| | October | November | December | January | February | March | April | May | June | July | August | September |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Seminoe Reservoir** | | | | | | | | | | | | |
| Storage | 670,240 | 659,709 | 649,309 | 638,341 | 636,388 | 645,354 | 662,006 | 688,131 | 798,766 | 685,912 | 582,630 | 554,068 |
| Ranking[1] | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 24 |
| **Pathfinder Reservoir** | | | | | | | | | | | | |
| Storage | 670,240 | 659,709 | 649,309 | 638,341 | 636,388 | 645,354 | 662,006 | 688,131 | 798,766 | 685,912 | 582,630 | 554,068 |
| Ranking[1] | 22 | 22 | 29 | 33 | 36 | 42 | 42 | 45 | 51 | 42 | 41 | 34 |
| **Alcova Reservoir[3]** | | | | | | | | | | | | |
| Storage | 157,554 | 157,147 | 157,306 | 157,351 | 156,876 | 157,509 | 180,156 | 180,474 | 179,742 | 180,132 | 181,085 | 180,571 |
| Ranking[3] | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **Glendo Reservoir** | | | | | | | | | | | | |
| Storage | 179,792 | 215,395 | 257,980 | 294,542 | 333,848 | 379,518 | 412,292 | 393,712 | 347,459 | 240,463 | 149,985 | 95,274 |
| Ranking[1] | 21 | 34 | 38 | 42 | 42 | 46 | 52 | 62 | 64 | 58 | 28 | 39 |
| **Guernsey Reservoir** | | | | | | | | | | | | |
| Storage | 6,873 | 9,468 | 12,212 | 14,944 | 17,743 | 21,658 | 28,537 | 27,534 | 28,695 | 27,340 | 28,221 | 3,569 |
| Ranking[1] | 44 | 45 | 46 | 46 | 53 | 56 | 62 | 84 | 65 | 41 | 46 | 70 |
| **Total System[2]** | | | | | | | | | | | | |
| Storage | 1,713,474 | 1,743,778 | 1,783,184 | 1,817,151 | 1,866,335 | 1,922,561 | 2,038,215 | 2,110,948 | 2,138,731 | 1,849,319 | 1,563,213 | 1,412,026 |
| Ranking[1] | 24 | 24 | 24 | 24 | 24 | 27 | 27 | 30 | 34 | 39 | 39 | 39 |

1 Storage level ranking for the period of record, with one being the highest storage on record.
2 Total North Platte system includes storage in Seminoe, Kortes, Pathfinder, Alcova, Gray Reef, Glendo, and Guernsey Reservoirs.
3 Alcova Reservoir is normally maintained within either a winter operating range (between contents of 153,802 AF to 158,302 AF) or a summer operating range (between contents 177,070 AF to 181,943 AF).

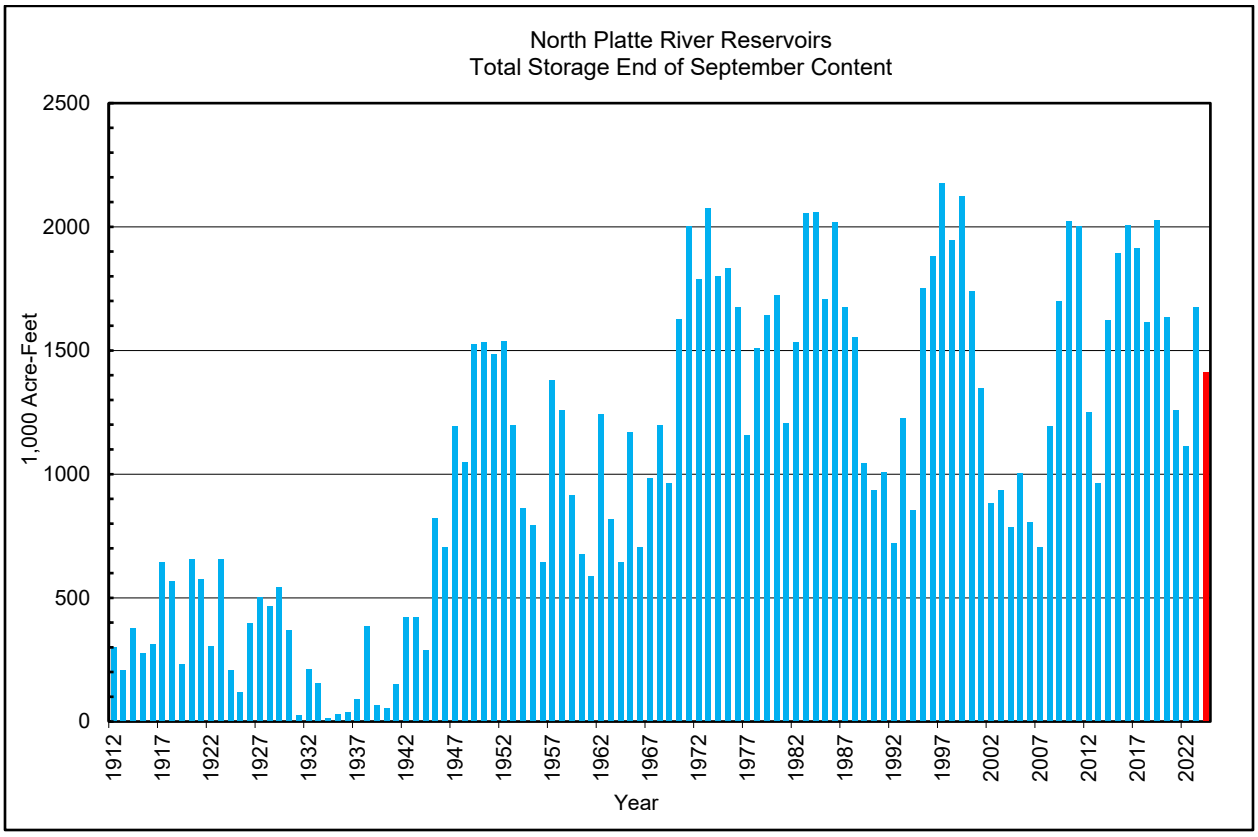


**Figure 1.—North Platte River Reservoirs Total Storage End of September Content (1912–2024).**

# System Operations Water Year 2024

## Seminoe Reservoir Inflow

Seminoe Reservoir inflows were below the 30-year average for the WY2024. A total of 836,180 acre-feet (AF) or 86 percent of the 30-year average entered the system above Seminoe Reservoir during the water year. The monthly inflows were 110 percent of average in April, 79 percent of average in May, and 94 percent of average in June. May and June are the peak inflow months for the reservoir. The actual April through July inflow totaled 630,400 AF, which was 87 percent of the 30-year average, 728,400 AF. The Seminoe computed inflow peaked for the water year on June 10, 2024, at 7,764 cubic feet per second ($ft^3/s$). Figure 2 depicts a comparison of average, WY2023, and WY2024 monthly inflows.

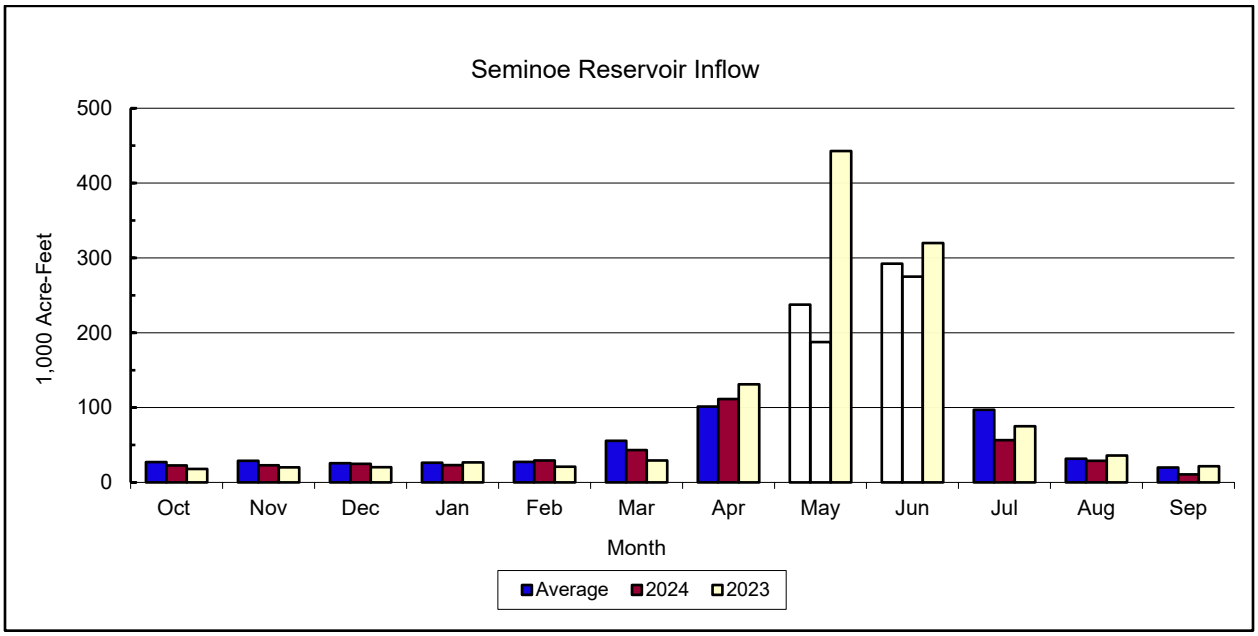


**Figure 2—Seminoe reservoir inflow.**

## Seminoe Reservoir Storage and Releases

Seminoe Dam and Reservoir on the North Platte River is the main storage facility for the Kendrick Project. Construction of the dam was completed in 1939, providing a storage capacity of 1,017,273 AF. The Powerplant contains three electrical generating units with a total capacity of 42 megawatts (MW) at a full release capability of about 4,050 $ft^3/s$. The spillway consists of a concrete-lined tunnel through the right abutment controlled by three fixed-wheel gates with a release capability of close to 48,000 $ft^3/s$. Two 60-inch jet flow valves provide a low-level river outlet with a flow capacity of 3,420 $ft^3/s$.

At the start of WY2024, Seminoe Reservoir had a storage content of 684,140 AF, 109 percent of average and 49 percent of capacity. At the end of WY2024, Seminoe Reservoir storage content was 554,070 AF, 89 percent of average and 54 percent of capacity. See figure 3 for a comparison of average, WY2023, and WY2024 monthly storage.

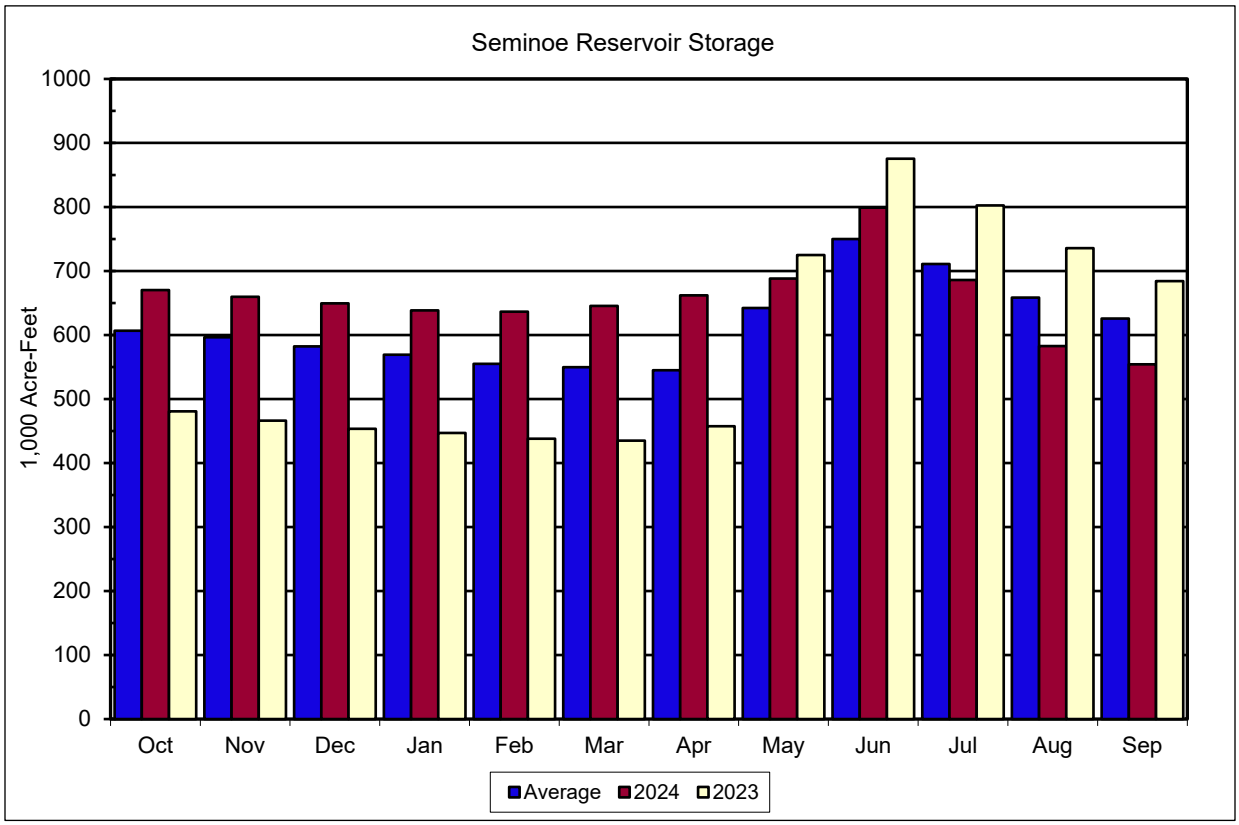


**Figure 3.—Seminoe reservoir storage.**

Tables 3 through 7 depict a summary of Seminoe Reservoir storage, inflow, and release information for WY2024.

**Table 3.—Average monthly releases**

| Seminoe Release | Avg. ($ft^3/s$) | WY2024 Avg. ($ft^3/s$) | WY2024 Max ($ft^3/s$) |
|---|---|---|---|
| October | 592 | 555 | 609 |
| November | 634 | 550 | 656 |
| December | 635 | 540 | 559 |
| January | 624 | 539 | 555 |
| February | 734 | 554 | 544 |
| March | 963 | 547 | 616 |
| April | 1,733 | 1,506 | 2,041 |
| May | 2,218 | 2,578 | 2,641 |
| June | 2,982 | 2,612 | 2,628 |
| July | 2,082 | 2,604 | 2,671[1] |
| August | 1,257 | 2,036 | 2,634 |
| September | 808 | 571 | 807 |

1 July 31, 2024 was the release peak outflow.

**Table 4.—Seminoe reservoir storage allocations**

| Reservoir Allocations | Elevation (ft) | Storage (AF) | Storage Allocation (AF) |
|---|---|---|---|
| Top of inactive and dead | 6239.00 | 31,670 | 31,670 |
| Top of active conservation | 6357.00 | 1,017,273 | 985,603 |
| Crest of dam (without camber) | 6361.00 | | |

**Table 5.—Seminoe reservoir water year storage data**

| Storage-Elevation Data | Elevation (ft) | Storage (AF) | Date |
|---|---|---|---|
| Beginning of water year | 6337.90 | 684,140 | 30-Sept.-2023 [2] |
| End of water year | 6328.32 | 554,068 | 30-Sept.-2024 |
| Annual low | 6328.41 | 554,068 | 30-Sept.-2024 |
| Historic low [1] | 6253.30 | 56,390 | 20-Apr.-1961 |
| Annual high | 6345.73 | 807,860 | 22-June-2024 |
| Historic high [1] | 6359.29 | 1,073,050 | 20-June-1949 |

1 The daily records for this table are only available from water year 1946.
2 Represents 0001 hours on October 1.

**Table 6.—Seminoe reservoir water year inflow and outflow data**

| Inflow-Outflow Data | Inflow [1] | Date | Outflow | Date |
|---|---|---|---|---|
| Annual total (AF) | 836,173 | Oct. 23–Sept. 24 | 920,435 | Oct. 23–Sept. 24 |
| Daily peak ($ft^3/s$) [2] | 7,764 | 10-June-2024 | 2,671 | 31-July-2024 |
| Daily minimum ($ft^3/s$) [2] | 5 | 12-Sept.-2024 | 496 | 22-Dec.-2023 |

1 Inflows are a computed number.
2 Daily peak and minimum are releases to the river.

**Table 7.—Monthly computed inflows, outflows, and contents for Seminoe Reservoir, water year 2024**

| | Inflow | | Outflow | | Content [2] | |
|---|---|---|---|---|---|---|
| Month | KAF | % of Avg. [1] | KAF | % of Avg. [1] | KAF | % of Avg. [1] |
| October | 22.7 | 84 | 34.2 | 94 | 670.2 | 110 |
| November | 23.0 | 79 | 32.7 | 87 | 659.7 | 111 |
| December | 24.9 | 97 | 33.2 | 85 | 649.3 | 112 |
| January | 23.2 | 88 | 33.1 | 86 | 638.3 | 112 |
| February | 29.3 | 107 | 30.8 | 75 | 636.8 | 115 |
| March | 43.1 | 78 | 33.6 | 57 | 645.4 | 117 |
| April | 111.4 | 110 | 89.6 | 87 | 662.0 | 121 |
| May | 187.6 | 79 | 158.5 | 116 | 688.1 | 107 |
| June | 275.0 | 94 | 155.4 | 88 | 798.8 | 107 |
| July | 56.4 | 58 | 160.1 | 125 | 685.9 | 96 |
| August | 28.9 | 91 | 125.2 | 162 | 582.6 | 88 |
| September | 10.7 | 54 | 34.0 | 71 | 0.0 | 0 |
| Annual | 836.2 | 86 | 920.4 | 100 | | |

1 The 30-year average is the period (1995–2024).
2 End of month.

# Kortes Reservoir Storage and Releases

Completed in 1951, Kortes Dam, Reservoir, and Powerplant of the Kortes Unit (Pick-Sloan Missouri Basin Project) are located about 2 miles below Seminoe Dam. It was the first unit initiated by the Bureau of Reclamation under the Missouri River Basin Project. Kortes Reservoir provides a total storage capacity of 4,739 AF at elevation 6142.0 feet, the level of the spillway crest. Kortes Powerplant has three electrical generating units with a total capacity of 40 MW and a release capability of approximately 2,700 $ft^3/s$. Water released from Seminoe Dam to Pathfinder Reservoir passes through the Kortes turbines to generate power. Maximum benefits are obtained when Kortes Reservoir remains full, and the power releases are coordinated with those from Seminoe Powerplant to maintain a full reservoir.

The spillway on the right abutment consists of an uncontrolled crest with a concrete-lined tunnel and has a capacity of 50,000 $ft^3/s$.

Senate Bill 2553 which was passed in the ninetieth Congress authorized the modification of the operation of Kortes Dam and Powerplant to provide a minimum streamflow of 500 $ft^3/s$ in the North Platte River between Kortes Reservoir and the normal headwaters of Pathfinder Reservoir. The minimum flow permits maintenance of a fishery in a stretch of the North Platte River commonly referred to as the "Miracle Mile".

Kortes releases averaged approximately 540 $ft^3/s$ from October 2023 to April 4, 2024. On April 4, 2024 flows increased to approximately (approx.) 1,000 $ft^3/s$ and continued to increase until early May. The maximum release was near power plant capacity approx. 2,600 $ft^3/s$ and maintained until August 19, 2024. Peak release flows gradually dropped over the next two weeks. Starting September 4, 2024, winter releases of approx. 540 $ft^3/s$ began.

## Gains to the North Platte River from Kortes Dam to Pathfinder Dam

Kortes Dam to Pathfinder Dam river gains were below average nearly all of WY2024. The Kortes Dam to Pathfinder Dam river gains ranged from 111 percent of average in February 2024 to negative in July and August. Negative gains in these months may be due to inaccurate river measurement. The total river gains were 74,500 AF, which is 72 percent of the 30-year average of 102,900 AF. Figure 4 depicts a comparison of average, WY2023, and WY2024 monthly river gains.

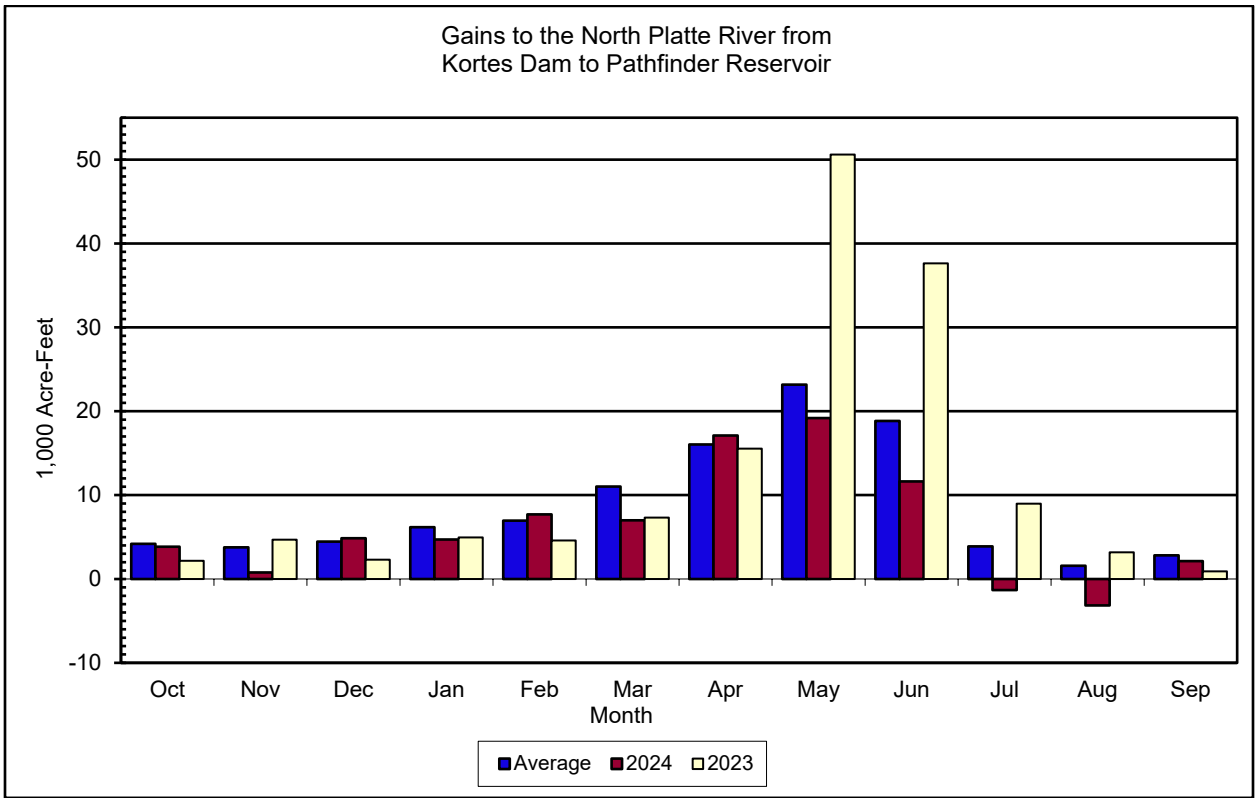


**Figure 4.—Gains received along the North Platte River from Kortes Dam to Pathfinder Reservoir.**

## Pathfinder Reservoir Storage and Releases

Pathfinder Dam and Reservoir, a major storage facility of the North Platte Project, has a total capacity of 1,070,000 AF at elevation 5852.49 feet. Construction of the dam was completed in 1909. Operationally, this structure is a bottleneck in the System with its maximum non-spillway release capability of approximately 6,000 $ft^3/s$. The rated capacity of the left abutment outlet works through each of the two 60-inch jet flow gates is approximately 3,000 $ft^3/s$ at elevation 5852.49 feet. The flow capacity range of the 30-inch jet flow gate is from approximately 50 to 450 $ft^3/s$. Depending on the elevation of the reservoir, as much as 3,080 $ft^3/s$ can be released through the Fremont Canyon Power conduit and discharged from the Fremont Canyon turbines at the Powerplant three miles downstream. Re-conditioning of Unit 2 of the Fremont Canyon Powerplant was completed in August 2012. Re-conditioning of Unit 1 was completed late July 2013. The 33.4 MW nameplate rating of the two units has not changed. Total rating of these two units is 66.8 MW.

Reconstruction of the Pathfinder spillway was completed in 2012. The spillway crest was raised approx. 2.4 feet to elevation 5852.49 feet. The crest of the uncontrolled spillway on the left abutment of the dam was reconfigured from a flat-crested natural rock weir to an ogee-crested concrete weir. A spill occurs any time the reservoir water surface exceeds 5852.49 feet. The calculated discharge capacity of the spillway is 32,449 $ft^3/s$ at reservoir elevation 5858.10 feet.

At the start of WY2024, storage in Pathfinder Reservoir was 665,639 AF, 119 percent of average and 62 percent of capacity. Water year 2024 was a low inflow year. Pathfinder storage dropped from well above average to slightly above average storage throughout the 2024 water year. The maximum Pathfinder Reservoir content for the water year peaked on May 29, 2024, at 815,030 AF 76 percent of capacity. The water year ended with 572,289 AF of water in storage in Pathfinder Reservoir, 102 percent of average and 53 percent of capacity. At the request of the Wyoming Game and Fish Department a year-round flow of 75 $ft^3/s$ was provided to the river below Pathfinder Dam. The 75 $ft^3/s$ minimum flow is provided through the 30-inch jet flow valve except when the 60-inch jet flow valve is needed to supplement Fremont Canyon releases to make required irrigation deliveries. Figure 5 depicts a summary of Pathfinder Reservoir storage for average, WY2023, and WY2024.

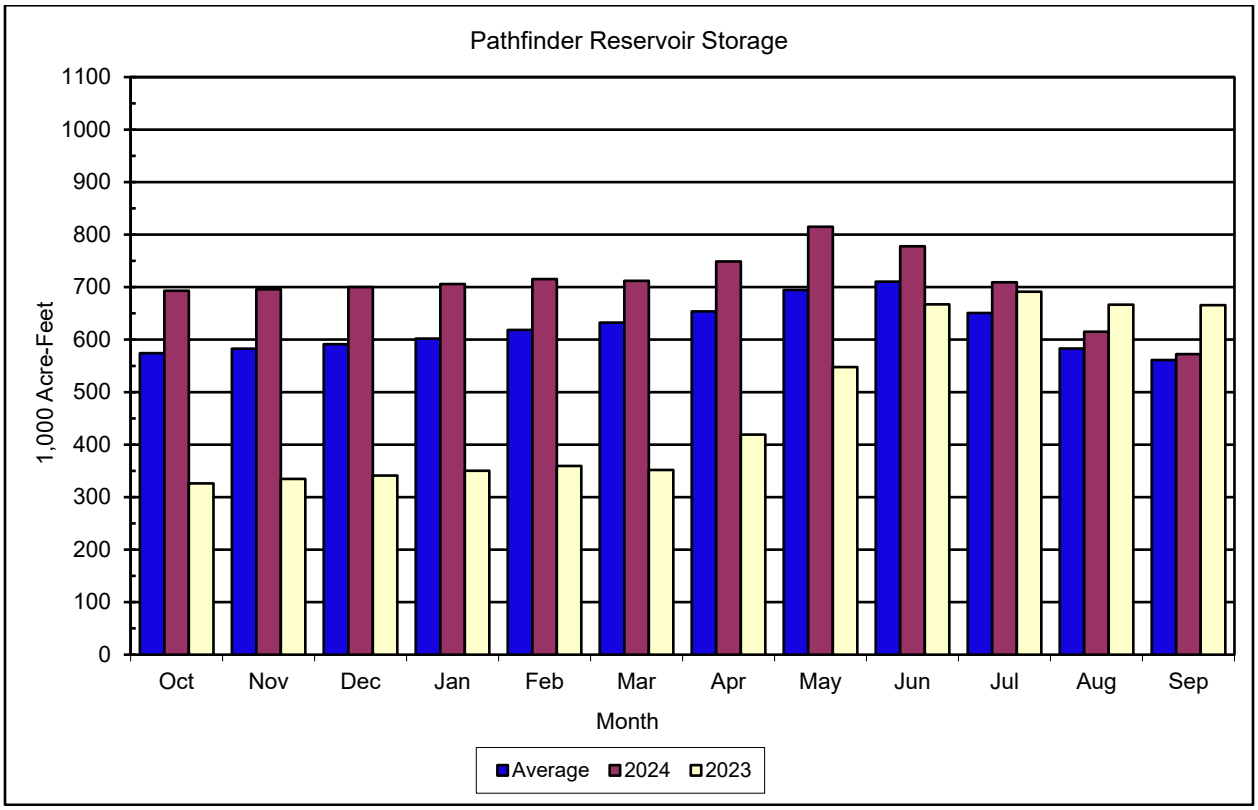


**Figure 5.—Pathfinder monthly reservoir storage.**

Tables 8 to 11 depicts a summary of Pathfinder Reservoir storage, inflow, and release information for WY2024.

**Table 8.—Pathfinder Reservoir storage allocations**

| Reservoir Allocations | Elevation (ft) | Storage (AF) | Storage Allocation (AF) |
|---|---|---|---|
| Top of inactive | 5746.00 | 31,405 | 31,405 |
| Top of active conservation | 5852.49 | 1,070,000 | 1,038,595 |
| Crest of dam (without camber) | 5858.10 | – | – |

**Table 9.—Pathfinder Reservoir water year storage data**

| Storage-Elevation Data | Elevation (ft) | Storage (AF) | Date |
|---|---|---|---|
| Beginning of water year | 5831.72 | 665,639 | Sept. 30, 2023 [3] |
| End of water year | 5825.53 | 572,289 | Sept. 30, 2024 |
| Annual low | 5825.53 | 572,289 | Sept. 30, 2024 |
| Historic low [1, 2] | 5690.00 | 0 | Sept. 9, 1958 |
| Annual high | 5840.26 | 815,030 | May 29, 2024 |
| Historic high [1] | 5853.49 | 1,093,275 | June 2, 2016 |

1 Daily records for this table are only available from water year 1946.
2 From September 1958 through January 1959, Pathfinder Reservoir was drained for construction of Fremont Canyon tunnel.
3 Represents 0001 hours on October 1.

**Table 10.—Pathfinder Reservoir water year inflow and outflow data**

| Inflow-Outflow Data | Inflow | Date | Outflow[1] | Date |
|---|---|---|---|---|
| Annual total (AF) | 994,647 | Oct. 23–Sept. 24 | 1,024,699 | Oct. 23–Sept. 24 |
| Daily Peak ($ft^3$/3) | 3,600 | May 6, 2024 | 4,007 | July 16, 2024 |
| Daily Minimum ($ft^3$/s) | 156 | Oct. 1, 2023 | 0 | Oct. 14, 2023 |

1 At the request of the Wyoming Game and Fish Department a yearly minimum flow of 75 $ft^3$/s will be provided through the Pathfinder Reservoir 30-inch jet flow valve to the river below Pathfinder Dam. Daily calculated outflow may vary based on heavily wind forced forebay. Minimum flow of 75 $ft^3$/s was measured at the river gage below the dam.

Table 11.—Monthly computed inflows, outflows, and contents for Pathfinder Reservoir, water year 2024

| Month | Gain | | Inflow [2] | | Outflow | | Content [4] | |
|---|---|---|---|---|---|---|---|---|
| | KAF | % of Avg. [1] | KAF | % of Avg. [1] | KAF | % of Avg. [1] | KAF | % of Avg. [1] |
| October | 4.2 | 98 | 34.9 | 86 | 6.3 | 49 | 693.0 | 123 |
| November | 3.7 | 93 | 31.2 | 75 | 31.7 | 101 | 695.8 | 122 |
| December | 3.5 | 77 | 65.8 | 149 | 33.1 | 97 | 700.1 | 121 |
| January | 3.7 | 59 | 47.0 | 104 | 33.6 | 103 | 705.9 | 119 |
| February | 4.6 | 67 | 32.2 | 67 | 27.8 | 92 | 715.4 | 118 |
| March | 6.6 | 59 | 59.3 | 84 | 36.6 | 68 | 712.0 | 114 |
| April | 10.6 | 66 | 105.5 | 89 | 52.1 | 56 | 748.9 | 116 |
| May | 15.8 | 68 | 89.3 | 57 | 61.6 | 54 | 814.8 | 119 |
| June | 15.7 | 84 | 45.8 | 23 | 81.6 | 48 | 777.9 | 111 |
| July | 4.2 | 107 | 46.4 | 35 | 115.5 | 63 | 709.2 | 111 |
| August | 1.9 | 95 | 103.3 | 130 | 190.1 | 136 | 615.1 | 108 |
| September | 1.3 | 43 | 43.7 | 84 | 43.9 | 65 | 572.3 | 104 |
| Annual | 75.7 | 73 | 704.3 | 69 | 713.9 | 74 | | |

1 30-year average is the period (1995–2024).
2 The inflow includes the gain from Kortes Dam to Pathfinder Dam.
3 Represents a negative number that makes the percentage meaningless.
4 End of month.

# Alcova and Gray Reef Reservoirs Storage and Releases

Alcova Dam and Reservoir is part of the Kendrick Project. The dam serves as a diversion dam for the Casper Canal and the reservoir as a forebay for the Alcova Powerplant. The dam, located about 10 miles downstream from Pathfinder Dam, was completed in 1938. Reservoir storage capacity is about 184,405 AF at elevation 5500 feet, of which only the top 30,603 AF is active capacity available for irrigation of the Kendrick Project. The Powerplant consists of two electrical generating units with a total installed capacity of 36 MW at a full release capability of about 4,100 $ft^3/s$. The spillway is a concrete lined open channel in the left abutment of the dam controlled by three 25 by 40-foot gates with a capacity of 55,000 $ft^3/s$ at a reservoir level of 5,500 feet. The reservoir is typically operated during the irrigation season, May through September, at a level of 5498 feet msl and at 5488 feet msl for the remainder of the year. A higher operating level is maintained during the summer months to provide adequate head on the Casper Canal, while the lower winter operating level reduces the potential for ice damage to the canal gate.

Alcova Reservoir's draw down to approx. 5,488 ft was initiated Oct 1, 2023. The water surface elevation was maintained at approx. 5,488 ft from October 31, 2023 to March 31, 2024. This is considered normal winter operations. Alcova Reservoir's return to summer operating level was initiated on April 1, 2024. The water surface elevation was raised to approx. 5498 feet on

April 30, 2024, and the reservoir was maintained within one foot of elevation 5498 feet throughout the irrigation season which ended September 30, 2024. This cyclical reservoir level operation reoccurs annually.

Gray Reef Dam and Reservoir is part of the Glendo Unit, Oregon Trail Division, Pick-Sloan Missouri Basin Program. The dam which was completed in 1961 is a three-zoned rock and earth fill structure located about 2.5 miles below Alcova Dam. The reservoir has an active capacity of 1,744 AF. Gray Reef Reservoir is operated to re-regulate widely fluctuating water releases from the Alcova Powerplant, and provide stable flow for irrigation, municipal, industrial, fish, and wildlife interests along the 147 miles of river between Alcova and Glendo Dams.

Gray Reef releases started WY2024 at average winter releases of approximately 500 $ft^3/s$. A fish flush with average daily flows of approximately 1,370 $ft^3/s$ was conducted from March 25 to April 3, 2024 at the request of Wyoming game and fish. Flows were then returned to 450 $ft^3/s$. Flows were increased to approximately 800 $ft^3/s$ on April 25, 2024. Flows were then gradually increased to 3,600 $ft^3/s$ by July 10, 2024. The peak release occurred on August 06, 2024 and was 3,560 $ft^3/s$. On August 12, 2024 flows were reduced to 3,000 $ft^3/s$. Flows were gradually reduced to the normal winter operating levels of 500 $ft^3/s$ on September 23, 2024 after meeting 2024 irrigation demand.

## Gains to the North Platte River from Alcova Dam to Glendo Reservoir

Total river gains from Alcova Dam to Glendo Reservoir were below average for WY2024. The highest volume gain month was May with 66.9 KAF at 89 percent of average. The April through July gain was 97,940 AF, which was 66 percent of average. The maximum computed daily river gain of 2,299 $ft^3/s$ occurred on May 17, 2024, and the daily computed Glendo Reservoir inflow peaked on August 11, 2024, at 4,038 $ft^3/s$. Figure 6 depicts a comparison of average, WY2023 and WY2024 monthly river gains.

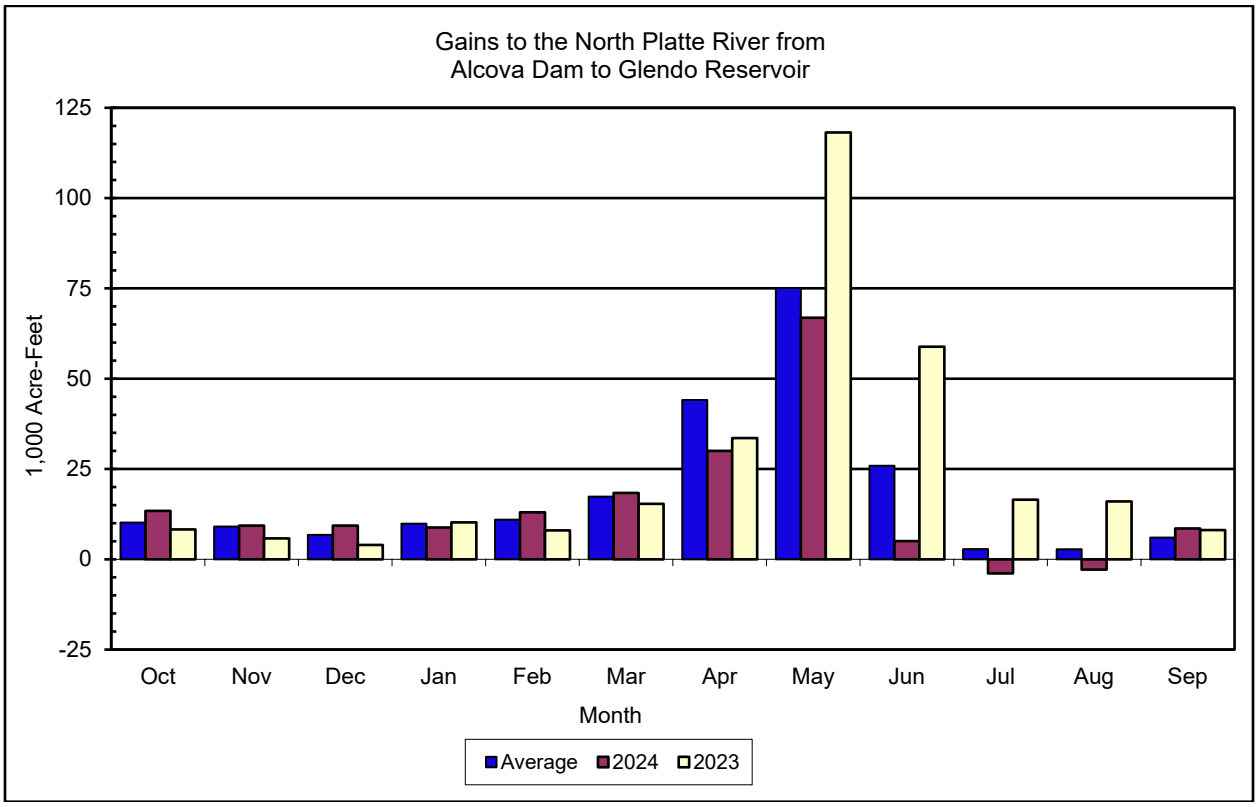


**Figure 6.—Gains to the North Platte River from Alcova Dam to Glendo Reservoir.**

## Glendo Reservoir Storage and Releases

Glendo Dam and Reservoir is the only storage facility for the Glendo Unit. The reservoir has a storage capacity of 763,039 AF, including 271,017 AF allocated to flood control. Glendo Powerplant consists of two electrical generating units with a total installed capacity of 38 MW. With both generating units operating at capacity and the reservoir water surface at elevation 4635.0 feet, approximately 3,400 $ft^3/s$ can be released through Glendo Powerplant. The reinforced concrete spillway has an ungated ogee crest. The spillway capacity at elevation 4669.0 feet (6 feet below the crest of the dam), is 10,335 $ft^3/s$.

The outlet works from Glendo Dam consist of the primary outlet works which discharge at the powerplant, and the low-flow outlet which discharges to the river immediately below the dam. The three primary outlet gates can release a combined discharge of 13,000 $ft^3/s$ with the powerplant shut down. During normal operation, when the reservoir elevation is below the top of conservation storage (4635 feet), outlet works discharges should typically remain below 5,500 $ft^3/s$. This precautionary practice is to minimize the potential for damage to the stilling basin and training walls. The low-flow outlet works are operated to maintain a continuous release of approximately 25 $ft^3/s$. This provides a reliable water source for the downstream

wetland area which results in associated fish and wildlife benefits. In the summer of 2015, the dam was raised three feet with a parapet wall and the dikes on the south side of the reservoir were raised 6 feet.

Glendo Reservoir storage was 134,494 AF at the beginning of WY2024, which was 100 percent of average and 27 percent of the active conservation capacity, 492,022 AF. Water releases from Glendo Reservoir were initiated on April 17, 2024 to fill the Inland Lakes. Fremont Canyon power plant had a couple of lightning strikes damaging turbine units and impacting power plant operation and water delivery early in the summer. The Glendo Reservoir reached a maximum storage for the year of 419,140 AF (elevation 4628.58 feet) on May 19, 2024. At the end of the water year, Glendo Reservoir contained 95,274 AF of water (water surface elevation 4582.88 feet), 71 percent of average and 19 percent of active conservation. Tables 12 through 15 depict a summary of Glendo Reservoir storage, inflow, and release information for WY2024. Figure 7 depicts WY2023 and WY2024 end of month reservoir storage compared to average.

Water releases were shut for the winter season. Normally a low flow release would be made from Glendo to Guernsey during the winter, but in October 2024 water was shutoff over the winter to construct a new culvert crossing near the powerplant.

**Table 12.—Glendo Reservoir Storage allocations**

| Reservoir Allocations | Elevation (ft) | Storage (AF) | Storage Allocation (AF) |
|---|---|---|---|
| Top of inactive | 4570.00 | 51,573 | 51,573 |
| Top of active conservation | 4635.00 | 492,022 | 440,449 |
| Top of exclusive flood control | 4653.00 | 763,039 | 271,017 |
| Maximum water surface (surcharge) | 4669.00 | 1,092,290 | 329,251 |
| Crest of dam (without camber) | 4675.00 | – | – |

**Table 13.—Glendo Reservoir water year storage data**

| Storage-Elevation Data | Elevation (ft) | Storage (AF) | Date |
|---|---|---|---|
| Beginning of water year | 4591.66 | 134,494 | 30-Sep-2023 [2] |
| End of water year | 4582.88 | 94,275 | 30-Sep-2024 |
| Annual low | 4582.13 | 92,294 | 26-Sep-2024 |
| Historic low [1] | 4548.10 | 15,140 | 28-Sep-1966 |
| Annual high | 4628.58 | 419,940 | 09-May-2024 |
| Historic high [1] | 4650.94 | 758,830 | 28-May-1973 |

1 The daily records for this table are only available from water year 1946.
2 Represents 0001 hours on October 1.

**Table 14.—Glendo Reservoir water year inflow and outflow data**

| Inflow-Outflow Data | Inflow | Date | Outflow [1] | Date |
|---|---|---|---|---|
| Annual total (AF) | 1,112,352 | Oct. 2023–Sept. 2024 | 1,126,435 | Oct. 2023–Sept. 2024 |
| Daily peak ($ft^3/s$) | 4,038 | 11-Aug.-2024 | 7,685 | 26-July-2024 |
| Daily minimum ($ft^3/s$) | 140 | 30-Oct.-2023 | 13 | 03-Feb.-2024 |
| Peak bypass release ($ft^3/s$) | | | 6,322 | 26-July-2024 |
| Total bypass release (AF) | | | 212,648 | Oct. 2023–Sept. 2024 |

1 Includes the average daily release of approximately 25 $ft^3/s$ from the low flow outlet works for Apr.–Sept. A low flow outlet works was completed in 1993 to allow for a release of 25 $ft^3/s$.

**Table 15.—Monthly computed inflows, outflows, and contents for Glendo Reservoir, WY2024**

| Month | Gain | | Inflow[2] | | Outflow | | Content [3] | |
|---|---|---|---|---|---|---|---|---|
| | KAF | % of Avg. [1] | KAF | % of Avg. | KAF | % of Avg. [1] | KAF | % of Avg. |
| October | 13.4 | 132 | 48.1 | 96 | 2.0 | 99 | 179.8 | 98 |
| November | 9.3 | 103 | 37.9 | 92 | 1.8 | 129 | 215.4 | 96 |
| December | 9.3 | 138 | 44.6 | 113 | 1.7 | 108 | 258.0 | 99 |
| January | 8.8 | 89 | 38.7 | 93 | 1.9 | 117 | 294.5 | 98 |
| February | 13.0 | 118 | 41.3 | 104 | 1.5 | 84 | 333.8 | 99 |
| March | 18.4 | 106 | 49.0 | 73 | 1.8 | 12 | 379.5 | 98 |
| April | 30.0 | 68 | 64.0 | 59 | 29.5 | 58 | 412.3 | 93 |
| May | 66.9 | 89 | 143.5 | 84 | 158.4 | 119 | 393.7 | 83 |
| June | 5.0 | 19 | 176.8 | 100 | 217.8 | 122 | 347.5 | 75 |
| July | -3.9 | -139 | 194.2 | 116 | 295.9 | 98 | 240.5 | 74 |
| August | -2.9 | -103 | 200.8 | 155 | 287.8 | 100 | 150.0 | 91 |
| September | 8.4 | 140 | 73.5 | 107 | 126.4 | 131 | 95.3 | 71 |
| Annual | 175.8 | 80 | 1,112.4 | 101 | 1,126.4 | 105 | | |

1 30-year average is the period (1995–2024).
2 Inflow include the gain from Alcova Dam to Glendo Dam.
3 End of month.

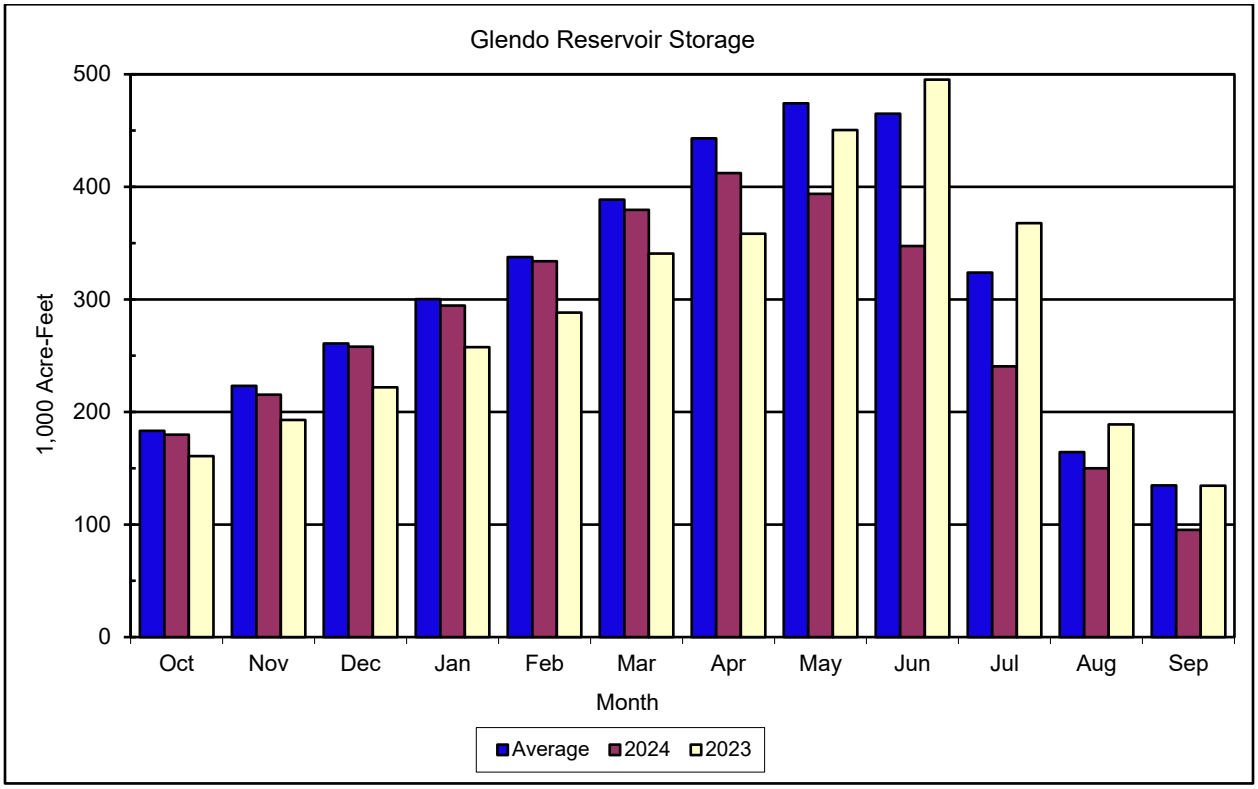


**Figure 7.—Glendo Reservoir monthly storage.**

# Gains to the North Platte River from Glendo Dam to Guernsey Reservoir

The river gains between Glendo Dam and Guernsey Dam during WY2024 were far below average. On July 07, 2024 the daily computed gain to Guernsey Reservoir peaked at 1,250 $ft^3/s$. Figure 8 depicts a comparison of average, WY2023 and WY2024 monthly river gains.

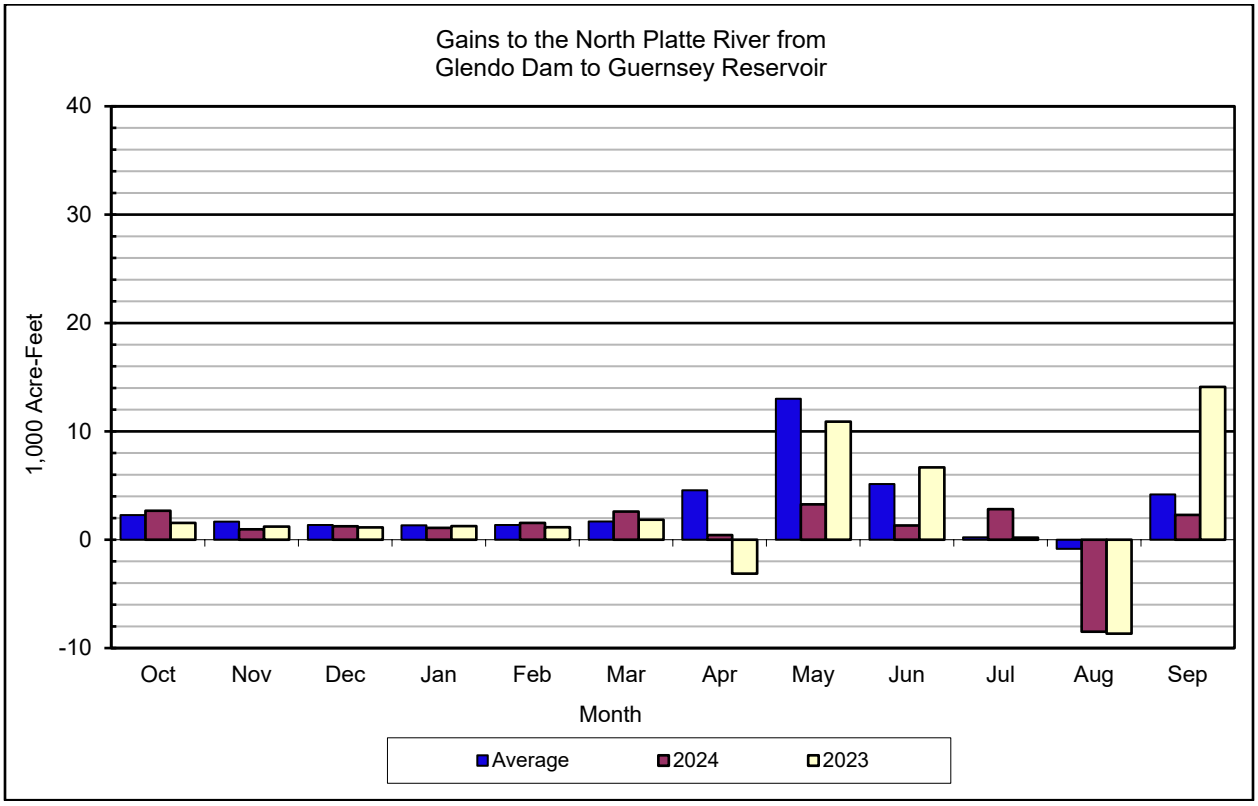


**Figure 8.—Gains to the North Platte River from Glendo Dam to Guernsey Reservoir.**

# Guernsey Reservoir Storage and Releases

Guernsey Dam is located about 25 miles below Glendo Dam. It stores and re-regulates the flow of the river prior to delivery of storage water to project lands of the North Platte Project and Glendo Unit. Guernsey Powerplant, located on the right abutment of the dam, has two 3.2 MW electrical generating units with a combined release capability of about 1,340 $ft^3/s$. The windings of both units have been replaced resulting in the rating of 3.2 MW per unit. The north spillway gate, with a capacity of 50,000 $ft^3/s$ at a reservoir level of 4420 feet, is utilized for irrigation releases to supplement the maximum powerplant releases.

The original capacity of the reservoir was 73,800 AF, but this has been greatly reduced by deposition of silt. Utilizing data from the 1980 Sedimentation Survey of Guernsey Reservoir, the March 1982 - Area Capacity Tables and Curves show about 45,612 AF of available storage.

At the beginning of WY2024, storage in Guernsey Reservoir was at 2,458 AF. Reclamation began Glendo releases on April 17, 2024 and Guernsey releases commenced on April 18, 2024 to move water into the Inland Lakes. The annual "silt run" from the reservoir was initiated on July 11 and continued for 20 days. Reservoir storage was reduced to initiate the "silt run" and was maintained at a low level throughout the period. The minimum reservoir content during the "silt run" of 1,110 AF occurred on July 21, 2024. Following the "silt run", the reservoir was refilled to approximately 28,000 AF. The releases from Guernsey Dam averaged 4,662 $ft^3/s$ from July 24 to August 1. Guernsey reservoir was lowered to allow storage of winter gains. The reservoir end of September storage was 3,569 AF and peaked at 30,342 AF on September 8, 2024. Guernsey releases were discontinued at end of WY2024. See figure 9 for WY2023 and WY2024 storage compared to average.

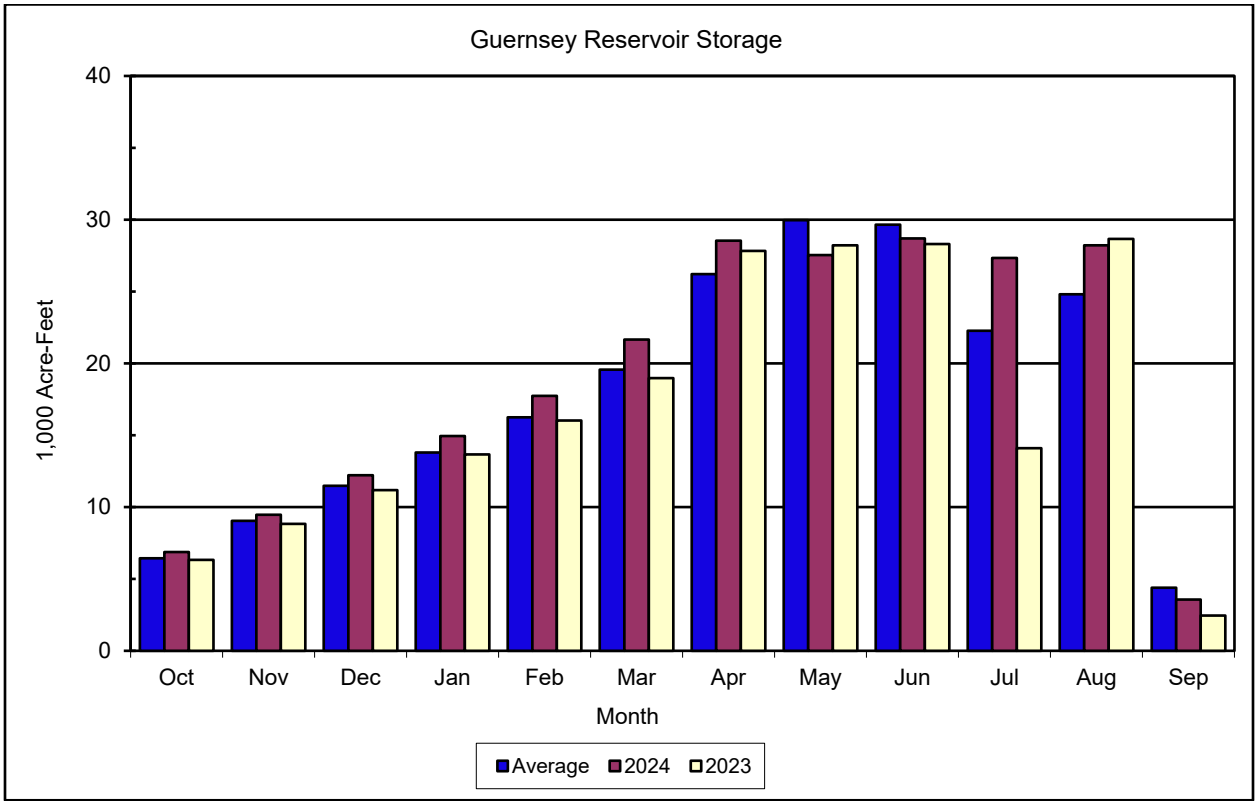


**Figure 9.—Guernsey Reservoir monthly storage.**

# Precipitation Summary for Water Year 2024

Watershed precipitation in each basin is an average of precipitation readings using several stations as indicators. The 2024 precipitation was below average for the entire North Platte River Basin. Precipitation ranged from a high of 138 percent in April to a November low of 32 percent of average for Seminoe.

The North Platte basin received most of its precipitation in March to August for WY2024. Glendo basin precipitation had the lowest at 8.93 inches for the year. The WY2024 North Platte Basin precipitation at the various reservoirs was 96 percent of average at Seminoe, 84 percent of average at Pathfinder, 78 percent of average at Glendo, and 75 percent of average at Guernsey.

See figure 10 for a comparison of average, WY2023 and WY2024 total precipitation.

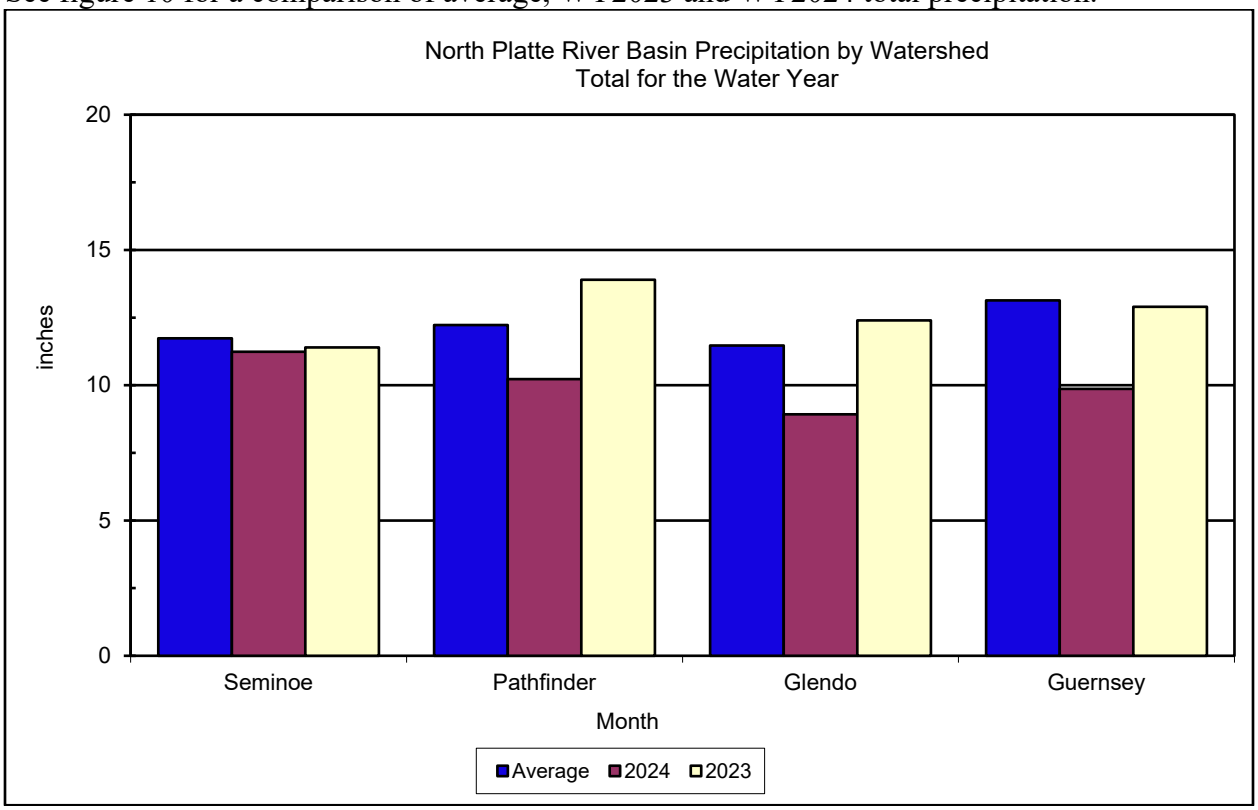


**Figure 10.—North Platte River Basin precipitation by watershed. Total for water year 2024.**

# Snowpack Summary for Water Year 2024

Reclamation relies on the Natural Resource Conservation Service (NRCS) to provide snow water equivalent (SWE) data for the three drainage areas in which Reclamation forecasts snowmelt runoff. On February 1 the watershed SWE above Seminoe Reservoir was 81 percent of median, increased to 95 percent of median by March 1, and was 96 percent of median on May 1. In the Sweetwater River watershed, the SWE was 40 percent of median on February 1, increased to

50 percent of median by March 1 and was 46 percent on May 1. Snow in the Alcova Dam to Glendo Reservoir watershed was 63 percent of median on February 1, increased to 75 percent of median by March 1 and was 58 percent of median on May 1. Table 16 shows a summary of snowpack for WY2024.

**Table 16.—North Platte snow water equivalent for water year 2024**

| Watershed | Feb. 1 SWE[1] | Feb. 1 % of Median[2] | Mar. 1 SWE[1] | Mar. 1 % of Median[2] | Apr. 1 SWE[1] | Apr. 1 % of Median[2] | May 1 SWE[1] | May 1 % of Median[2] |
|---|---|---|---|---|---|---|---|---|
| Upper North Platte Basin (Seminoe) | 10.5 | 81 | 16.2 | 95 | 21.6 | 103 | 19.7 | 96 |
| Sweetwater Basin (Pathfinder) | 6.8 | 83 | 11.6 | 107 | 17.5 | 123 | 15.8 | 103 |
| Lower North Platte Basin (Glendo) | 4.1 | 63 | 6.2 | 75 | 8.7 | 79 | 5.4 | 58 |

1 SWE is snow water equivalent in inches, the amount of water depth in the snowpack.
2 Median is based on the 1991-2020 period.

# Allocation for Water Year 2024

No allocation was declared in WY2024.

# Ownerships for Water Year 2024

Stored water, which is held in accounts for various entities, is referred to as their ownership. At the beginning of WY2024, ownership was at or above average. The North Platte Project ownership (including North Platte Pathfinder and North Platte Guernsey) contained 155,018 AF of water, 132 percent of average. The Kendrick ownership contained 917,560 AF of water, 100 percent of average. The Glendo ownership contained 145,250 AF of water, 112 percent of average.

The total amount of water stored at the end of WY2023 in the mainstem reservoirs for use in WY2024 was 1,673,710 AF, 111 percent of average.

By the end of WY2024, ownership was at or below average. The North Platte Project ownership (including North Platte Pathfinder and North Platte Guernsey) contained 425,820 AF of water, 95 percent of average. The Glendo ownership contained 129,870 AF of water, 100 percent of average. The Kendrick ownership contained 831,450 AF, 90 percent of average. The

Operational/Re-regulation water account contained 7,370 AF. Also stored in the North Platte storage system was 3,940 AF for the city of Cheyenne, and 2,000 AF for Pacificorp. The Wyoming Water Development Commission used 6,451 AF in WY2024. Wyoming Water Development Commission will have 8,000 AF available for use in WY2025. See figure 11 for the last 2 water years ownership carryover compared with the average carryover for the Kendrick, North Platte, and Glendo Projects. Table 18 shows a summary of ownership for WY2024.

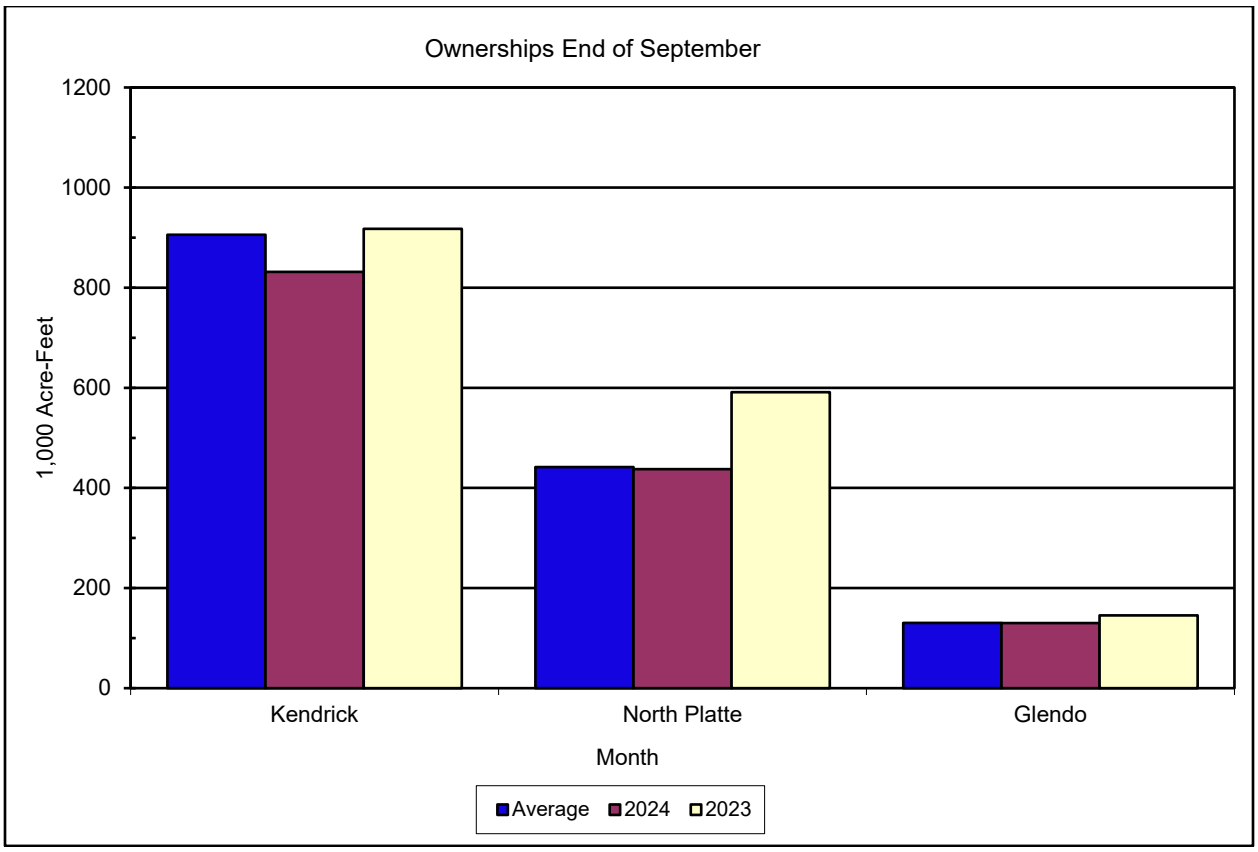


**Figure 11.—Ownership at the end of September.**

## North Platte River Forecast 2024

Reservoir inflow forecasts are prepared at the beginning of February, March, April, and May to estimate the inflows expected for the April through July runoff period.

Runoff forecasts for the Seminoe Reservoir watershed, the Sweetwater River above Pathfinder Reservoir, and the North Platte River from Alcova Dam to Glendo Reservoir are based on snow telemetry (SNOTEL) and/or snow course sites, precipitation sites, and calculated inflows. Reclamation maintains a database consisting of historic monthly data for reservoir inflows, snow and precipitation stations. The WYAO staff coordinates with NRCS Portland Office staff and

USACE Omaha Office staff to exchange runoff forecasts. Reclamation forecasts, NRCS forecasts, and USACE forecasts are then reviewed by WYAO management. All the information available is considered and judgement is applied to result in a final forecast of reservoir inflow.

The forecasted information is then made available to the public through a news release and is used in updating monthly reservoir operating plans. Table 17 depicts a summary of the monthly forecasts for WY2024

**Table 17.—Summary of forecasts of April–July Runoff for Water Year 2024**

| Forecast Points | Feb. 1 (KAF) | Feb. 1 % of Avg. [1] | Mar. 1 (KAF) | Mar. 1 % of Avg. [1] | Apr. 1 (KAF) | Apr. 1 % of Avg. [1] | May 1 (KAF)[2, 3, 4] | May 1 % of Avg. [1] | Actual (KAF) | Actual % of Avg.[1] |
|---|---|---|---|---|---|---|---|---|---|---|
| Seminoe Reservoir | 470 | 65 | 550 | 76 | 800 | 110 | 681 | 93 | 630.40 | 87 |
| Sweetwater River | 42 | 68 | 60 | 97 | 80 | 129 | 68 | 110 | 46.60 | 75 |
| Alcova to Glendo | 60 | 61 | 100 | 102 | 120 | 123 | 105 | 107 | 97.94 | 66 |

1 Average is based on the 1995-2024 period which are the stated averages used in the forecast reports.
2 The May 1 forecast includes actual April inflow of 111,410 acre-feet. => 570 May–July.
3 The May 1 forecast includes actual April inflow of 17,100 acre-feet. => 51 May–July.
4 The May 1 forecast includes actual April inflow of 30,000 acre-feet. => 75 May–July.

Table 18.—Summary of North Platte River System Ownership for water year 2024 (acre feet)[2]

| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Pathfinder Ownership** | | | | | | | | | | | | | | |
| Evaporation | | -3,159 | -928 | -2,338 | -1,219 | -574 | -658 | -7,939 | -8,766 | -13,431 | -13,835 | -10,827 | -6,449 | **-70,123** |
| Accrual | | 30,441 | 21,627 | 34,041 | 26,633 | 36,195 | 38,209 | 123,459 | 119,166 | 77,495 | 0 | 0 | 0 | **507,266** |
| Delivery | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -266 | -230,828 | -234,928 | -126,100 | **-592,122** |
| PP&L payback[1] | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 806 | 215 | 0 | 0 | 0 | **1,021** |
| Evaporation payback | | | | | | | | | | 0 | 0 | | | **0** |
| Reregulation transfer | | | | | | | | | | | | 0 | 0 | **0** |
| Ownership total | | 618,607 | 639,306 | 671,009 | 696,423 | 732,044 | 769,595 | 885,115 | 996,321 | 1,060,334 | 815,671 | 569,916 | 437,367 | |
| Actual Ownership | 591,325 | 618,607 | 639,306 | 671,009 | 696,423 | 732,044 | 769,595 | 885,115 | 996,321 | 1,060,334 | 815,671 | 569,916 | 437,367 | |
| **Kendrick Ownership** | | | | | | | | | | | | | | |
| Evaporation | | -3,313 | -1,095 | -2,675 | -1,320 | -616 | -682 | -6,606 | -4,207 | -9,716 | -10,172 | -9,050 | -7,152 | **-56,604** |
| Accrual | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34,288 | 0 | 0 | 1,309 | **35,597** |
| Delivery | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -6,333 | -12,254 | -19,537 | -15,743 | -11,233 | **-65,100** |
| Delivery City of Casper | | | | | | | | | | | | 0 | | |
| Evaporation payback | | | | | | | | | | 0 | 0 | 0 | 0 | **0** |
| Reregulation transfer | | | | | | | 0 | 0 | 0 | 0 | 0 | | 0 | **0** |
| Ownership total | | 914,244 | 913,149 | 910,474 | 909,154 | 908,538 | 907,856 | 901,250 | 890,710 | 903,028 | 873,319 | 848,526 | 831,450 | |
| Actual Ownership | 917,557 | 914,244 | 913,149 | 910,474 | 909,154 | 908,538 | 907,856 | 901,250 | 890,710 | 903,028 | 873,319 | 848,526 | 831,450 | |

| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Glendo Ownership** | | | | | | | | | | | | | | |
| Evaporation | | -930 | -223 | -349 | -139 | -359 | -1,230 | -102 | -2,093 | -3,226 | -3,687 | -2,988 | -2,455 | **-17,781** |
| Accrual | | 0 | 0 | 0 | 0 | 0 | 8,858 | 9,902 | 5,185 | 0 | 0 | 0 | 0 | **23,945** |
| Delivery[4] | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -27 | -8,410 | -10,803 | -2,309 | **-21,549** |
| Evaporation payback | | | | | | | | | 0 | 0 | 0 | 0 | 0 | **0** |
| Ownership total | | 144,320 | 144,097 | 143,748 | 143,609 | 143,250 | 150,878 | 160,678 | 163,770 | 160,517 | 148,420 | 134,629 | 129,865 | |
| Actual Ownership | 145,250 | 144,320 | 144,097 | 143,748 | 143,609 | 143,250 | 150,878 | 160,678 | 163,770 | 160,517 | 148,420 | 134,629 | 129,865 | |
| **Guernsey Ownership** | | | | | | | | | | | | | | |
| Evaporation | | 0 | 0 | -21 | -47 | -107 | -396 | -524 | -967 | -1,140 | 0 | 0 | 0 | **-3,202** |
| Accrual | | 0 | 0 | 10,419 | 9,722 | 14,399 | 11,304 | 0 | -753 | 0 | 0 | 0 | 0 | **45,091** |
| Delivery | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -41,889 | 0 | 0 | 0 | **-41,889** |
| Evaporation payback | | | | | | | | | 0 | 0 | 0 | 0 | 0 | **0** |
| Reregulation transfer | | | | | | | | | | | | 0 | 0 | **0** |
| Ownership total | | 0 | 0 | 10,398 | 20,073 | 34,365 | 45,273 | 44,749 | 43,029 | 0 | 0 | 0 | 0 | |
| Actual Ownership | 0 | 0 | 0 | 0 | 10,398 | 20,073 | 34,365 | 45,273 | 44,749 | 43,029 | 0 | 0 | 0 | 0 | |
| **Inland Lakes** | | | | | | | | | | | | | | |
| Evaporation | | -36 | -30 | -60 | -30 | -44 | -118 | -129 | -45 | 0 | 0 | 0 | 0 | **-492** |
| Accrual | | 15,955 | 10,164 | 0 | 0 | 0 | 0 | 20,015 | 0 | 0 | 0 | 0 | 0 | **46,134** |
| Transfer[3] | | 0 | 0 | 0 | 0 | 0 | 0 | -22,493 | -23,149 | 0 | 0 | 0 | 0 | **-45,642** |
| Ownership total | | 15,919 | 26,053 | 25,993 | 25,963 | 25,919 | 25,801 | 23,194 | 0 | 0 | 0 | 0 | 0 | |
| Actual Ownership | 0 | 15,919 | 26,053 | 25,993 | 25,963 | 25,919 | 25,801 | 23,194 | 0 | 0 | 0 | 0 | 0 | |

| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **City of Cheyenne** | | | | | | | | | | | | | | |
| Evaporation | | -31 | -5 | -21 | -7 | 0 | 0 | -80 | -42 | -29 | -31 | -29 | -30 | **-305** |
| Stored | | 1,070 | 819 | 528 | 540 | 538 | 652 | 308 | 1,147 | 780 | 467 | 937 | 1,201 | **8,987** |
| Used | | -173 | -24 | -104 | -166 | -241 | -307 | -515 | -6,583 | -2,779 | -452 | -238 | -372 | **-11,954** |
| Ownership total | | 8,073 | 8,863 | 9,266 | 9,633 | 9,930 | 10,275 | 9,988 | 4,510 | 2,482 | 2,466 | 3,136 | 3,935 | |
| Actual Ownership | 7,207 | 8,073 | 8,863 | 9,266 | 9,633 | 9,930 | 10,275 | 9,988 | 4,510 | 2,482 | 2,466 | 3,136 | 3,935 | |
| **Pacific Corp PP&L** | | | | | | | | | | | | | | |
| Evaporation | | -5 | 0 | -2 | 0 | -1 | -7 | -4 | -13 | -22 | -33 | -33 | -32 | **-152** |
| Accrual | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 253 | 498 | 336 | 33 | 32 | **1,152** |
| Delivery | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -1000 | 0 | 0 | 0 | 0 | **-1,000** |
| Ownership total | | 1,995 | 1,995 | 1,993 | 1,993 | 1,992 | 1,985 | 1,981 | 1,221 | 1,697 | 2,000 | 2,000 | 2,000 | |
| Actual Ownership | 2,000 | 1,995 | 1,995 | 1,993 | 1,993 | 1,992 | 1,985 | 1,981 | 1,221 | 1,697 | 2,000 | 2,000 | 2,000 | |
| **WWDC Ownership** | | | | | | | | | | | | | | |
| Evaporation | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0** |
| Accrual | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0** |
| Delivery | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0** |
| Ownership total | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Actual Ownership | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

**Summary of Operations for Water Year 2024 and 2025 Operating Plan**
**North Platte River Basin Reservoirs**

| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Operational Ownership** | | | | | | | | | | | | | | |
| Evaporation | | -55 | -1 | -12 | 0 | -6 | -36 | -40 | -102 | -153 | -158 | -105 | -76 | **-744** |
| Accrual | | 0 | 0 | 0 | 0 | 0 | 637 | 402 | 229 | -498 | 0 | 0 | 4,863 | **5,633** |
| Delivery | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -3,072 | -2,332 | -2,424 | **-7,828** |
| Evaporation payback | | | | | | | | | 0 | -63 | 0 | 0 | 0 | **-63** |
| Ownership total | | 10,316 | 10,315 | 10,303 | 10,303 | 10,297 | 10,898 | 11,260 | 11,387 | 10,673 | 7,443 | 5,006 | 7,369 | |
| Actual Ownership | 10,371 | 10,316 | 10,315 | 10,303 | 10,303 | 10,297 | 10,898 | 11,260 | 11,387 | 10,673 | 7,443 | 5,006 | 7,369 | |
| **Re-Regulation Water** | | | | | | | | | | | | | | |
| Evaporation | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0** |
| Accrual | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0** |
| Delivery | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0** |
| Evaporation payback | | | | | | | | | | 0 | 0 | 0 | 0 | **0** |
| Re-regulation transfer | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | **0** |
| Ownership total | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| Actual Ownership | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| **Pathfinder Ownership Without Modification** | | | | | | | | | | | | | | |
| Evaporation | | -3,103 | -921 | -2,301 | -1,201 | -565 | -651 | -7,850 | -8,697 | -12,992 | -13,290 | -10,144 | -6,032 | **-67,747** |
| Accrual | | 30,441 | 21,627 | 34,041 | 26,633 | 36,195 | 38,209 | 123,459 | 119,972 | 34,112 | 0 | 0 | 0 | **464,689** |
| Delivery | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -266 | -230,828 | -234,928 | -84,547 | **-550,569** |
| Ownership total | | 606,781 | 627,487 | 659,227 | 684,659 | 720,289 | 757,847 | 873,456 | 984,731 | 1,005,585 | 761,467 | 516,395 | 425,816 | |
| Actual Ownership | 579,443 | 606,781 | 627,487 | 659,227 | 684,659 | 720,289 | 757,847 | 873,456 | 984,731 | 1,005,585 | 761,467 | 516,395 | 425,816 | |

| | Sept. | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Pathfinder Ownership with Modification** | | | | | | | | | | | | | | |
| Evaporation | | -3,659 | -1,229 | -2,949 | -1,449 | -672 | -744 | -7,294 | -4,621 | -11,116 | -11,703 | -10,424 | -8,258 | **-64,118** |
| Accrual | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 77,886 | 0 | 0 | 1,309 | **79,195** |
| Delivery | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -6,333 | -9,324 | -19,537 | -15,743 | -11,233 | **-62,170** |
| Ownership total | | 1,026,848 | 1,025,619 | 1,022,670 | 1,021,221 | 1,020,549 | 1,019,805 | 1,012,511 | 1,001,557 | 1,059,003 | 1,027,763 | 1,001,596 | 983,414 | |
| **Actual Ownership** | 1,030,507 | 1,026,848 | 1,025,619 | 1,022,670 | 1,021,221 | 1,020,549 | 1,019,805 | 1,012,511 | 1,001,557 | 1,059,003 | 1,027,763 | 1,001,596 | 983,414 | |

1 In 1992, the Wyoming State Engineer granted an exchange which allows Pacific Power to exchange direct flows in the winter months (October through April) for direct flow in the summer months. During the winter months some direct flows which are available for storage under Pathfinder's storage right are not stored but instead are allowed to pass downstream for use by Pacific Power. In exchange, starting on May 1 Pacific Power allows some of its available direct flow to pass downstream to Glendo Reservoir to be stored as Pathfinder Ownership. The exchange water was returned to Pathfinder at a rate of 26 AF daily starting on May 1, 2024, until June 1, 2024, when the last 16 AF of the exchange was returned.
2 Amounts shown as delivery are storage water only. Natural flow which was delivered is not shown in this table.
3 Transfer refers to Inland Lakes Ownership water which was delivered from storage in Glendo or Guernsey Reservoirs.
4 Wyoming Water Development Commission (WWDC) used 6,844 AF of contract water from the State of Wyoming's Account in Glendo.

Table 19.—North Platte water year 2024 hydrologic operations

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Seminoe Reservoir (initial content: 684.1 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 22.7 | 23 | 24.9 | 23.2 | 29.3 | 43.1 | 111.4 | 187.6 | 275 | 56.4 | 28.9 | 10.7 | 836.2 |
| Total inflow | $ft^3/s$ | 369 | 387 | 405 | 377 | 509 | 701 | 1,872 | 3,051 | 4,622 | 917 | 470 | 180 | NA |
| Turbine release | KAF | 34.2 | 32.7 | 33.2 | 33.1 | 30.8 | 33.6 | 89.6 | 158.5 | 155.4 | 160.0 | 125.2 | 34.0 | 920.3 |
| Jet flow release | KAF | 0.5 | 1.2 | 0.0 | 2.2 | 0.0 | 0.0 | 0.2 | 7.3 | 0.0 | 0.1 | 0.0 | 0.0 | 11.5 |
| Spillway release | 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 | 0.0 |
| Total release | KAF | 34.2 | 32.7 | 33.2 | 33.1 | 30.8 | 33.6 | 89.6 | 158.5 | 155.4 | 160 | 125.2 | 34 | 920.3 |
| Total release | $ft^3/s$ | 556 | 550 | 540 | 538 | 535 | 546 | 1,506 | 2,578 | 2,612 | 2,602 | 2,036 | 571 | NA |
| Evaporation | KAF | 4 | 2.1 | 1.2 | 1.2 | 1.2 | 2.4 | 4.6 | 4.7 | 8.1 | 8.9 | 6.8 | 4.5 | 49.7 |
| End-month content | KAF | 669.3 | 660.0 | 651.2 | 640.6 | 638.5 | 646.4 | 663.9 | 684.9 | 797.5 | 685.6 | 583.2 | 556.1 | NA |
| End-month elevation | ft | 6336.9 | 6336.2 | 6335.6 | 6334.9 | 6334.7 | 6335.3 | 6336.5 | 6338.0 | 6345.1 | 6338.0 | 6330.6 | 6328.5 | NA |
| **Kortes Reservoir (initial content: 4.7 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 34.2 | 32.7 | 33.2 | 33.1 | 30.8 | 33.6 | 89.6 | 158.5 | 155.4 | 160.0 | 125.2 | 34.0 | 920.3 |
| Total inflow | $ft^3/s$ | 556.0 | 550.0 | 540.0 | 538.0 | 535.0 | 546.0 | 1,506.0 | 2,578.0 | 2,612.0 | 2,602.0 | 2,036.0 | 571.0 | NA |
| Turbine release | KAF | 34.1 | 32.7 | 33.2 | 33.1 | 30.8 | 33.6 | 89.6 | 158.5 | 155.3 | 160.0 | 125.2 | 34.0 | 920.1 |
| Spillway release | KAF | 2.0 | 0 | 0 | 0 | 0 | 0.6 | 0 | 2.7 | 0 | 0 | 9.2 | 0 | 14.5 |
| Total release | KAF | 34.1 | 32.7 | 33.2 | 33.1 | 30.8 | 33.6 | 89.6 | 158.5 | 155.4 | 160.0 | 125.2 | 34.0 | 920.2 |
| Total release | $ft^3/s$ | 555.0 | 550.0 | 540.0 | 538.0 | 535.0 | 546.0 | 1,506.0 | 2,578.0 | 2,612.0 | 2,602.0 | 2,036.0 | 571.0 | NA |

**Summary of Operations for Water Year 2024 and 2025 Operating Plan**
**North Platte River Basin Reservoirs**

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Pathfinder Reservoir (initial content: 665.6 KAF)** | | | | | | | | | | | | | | |
| Sweetwater inflow | KAF | 4.2 | 3.7 | 3.5 | 3.7 | 4.6 | 6.6 | 10.6 | 15.8 | 15.7 | 4.2 | 1.9 | 1.3 | 75.8 |
| Kortes-Path gain | KAF | -0.3 | -2.9 | 1.4 | 1.0 | 3.1 | 0.4 | 6.5 | 3.4 | -4.1 | -5.6 | 5.0 | 0.8 | 8.7 |
| Inflow from Kortes | KAF | 34.1 | 32.7 | 33.2 | 33.1 | 30.8 | 33.6 | 89.6 | 158.5 | 155.4 | 160.0 | 125.2 | 34.0 | 920.2 |
| Total inflow | KAF | 38.0 | 33.5 | 38.1 | 37.8 | 38.5 | 40.6 | 106.7 | 177.7 | 167.0 | 158.6 | 132.1 | 36.1 | 1,004.7 |
| Total inflow | ft | 618.0 | 563.0 | 620.0 | 615.0 | 669.0 | 660.0 | 1,793.0 | 2,890.0 | 2,807.0 | 2,579.0 | 2,148.0 | 607.0 | NA |
| Turbine release | KAF | 1.6 | 25.6 | 26.3 | 26.4 | 24.7 | 38.0 | 58.5 | 99.0 | 163.6 | 169.1 | 169.1 | 64.8 | 866.7 |
| Jet flow release | KAF | 6.8 | 4.8 | 4.7 | 4.6 | 4.4 | 4.6 | 4.6 | 6.0 | 44.4 | 126.4 | 60.4 | 5.0 | 276.7 |
| Spillway release | 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 | 0.0 |
| Total release | KAF | 6.2 | 30.1 | 30.9 | 31 | 29 | 42.6 | 63 | 103.6 | 189.1 | 215.4 | 205.4 | 69.3 | 1,015.6 |
| Total release | $ft^3/s$ | 101.0 | 506.0 | 503.0 | 504.0 | 504.0 | 693.0 | 1,059.0 | 1,685.0 | 3,178.0 | 3,503.0 | 3,341.0 | 1,165.0 | NA |
| Evaporation | KAF | 4.7 | 2.6 | 1.5 | 1.5 | 1.4 | 2.9 | 5.6 | 7.2 | 10.9 | 11.5 | 9.4 | 6.6 | 65.8 |
| End-month content | KAF | 692.7 | 693.5 | 699.2 | 704.5 | 712.6 | 707.7 | 745.8 | 812.7 | 779.7 | 711.4 | 628.7 | 588.9 | NA |
| End-month elevation | ft | 5833.4 | 5833.4 | 5833.8 | 5834.1 | 5834.6 | 5834.3 | 5836.5 | 5840.1 | 5838.4 | 5834.5 | 5829.4 | 5826.7 | NA |
| Jet flow release | $ft^3/s$ | 75.0 | 76.0 | 75.0 | 75.0 | 75.0 | 75.0 | 76.0 | 75.0 | 429.0 | 753.0 | 590.0 | 76.0 | NA |
| **Alcova Reservoir (initial content: 180.8 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 6.2 | 30.1 | 30.9 | 31.0 | 29.0 | 42.6 | 63.0 | 103.6 | 189.1 | 215.4 | 205.4 | 69.3 | 1,015.6 |
| Total inflow | $ft^3/s$ | 101.0 | 506.0 | 503.0 | 504.0 | 504.0 | 693.0 | 1,059.0 | 1,685.0 | 3,178.0 | 3,503.0 | 3,341.0 | 1,165.0 | NA |
| Turbine release | KAF | 30.4 | 29.8 | 30.7 | 30.8 | 28.8 | 42.2 | 38.7 | 96.3 | 175.4 | 194.3 | 188.3 | 57.0 | 942.7 |
| Spillway release | KAF | 0.0 | 0.0 | 0.0 | 25.7 | 0.0 | 0.3 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 26.2 |
| Casper Canal release | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 12.3 | 19.5 | 15.7 | 11.2 | 65.0 |
| Total release | KAF | 30.4 | 29.8 | 30.7 | 30.8 | 28.8 | 42.2 | 38.7 | 102.6 | 187.7 | 213.8 | 204.0 | 68.2 | 1,007.7 |
| Total release | $ft^3/s$ | 494.0 | 501.0 | 499.0 | 501.0 | 501.0 | 686.0 | 650.0 | 1,669.0 | 3,154.0 | 3,477.0 | 3,318.0 | 1,146.0 | NA |
| Evaporation | KAF | 0.7 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.8 | 1 | 1.4 | 1.6 | 1.4 | 1.1 | 9.3 |
| End-month content | KAF | 155.9 | 155.9 | 155.9 | 155.9 | 155.9 | 155.9 | 179.4 | 179.4 | 179.4 | 179.4 | 179.4 | 179.4 | NA |
| End-month elevation | ft | 5488.8 | 5488.4 | 5488.6 | 5488.7 | 5488.5 | 5488.8 | 5,498.4 | 5498.7 | 5498.4 | 5498.6 | 5498.4 | 5498.6 | NA |
| **Gray Reef Reservoir (initial content: 1.4 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 30.4 | 29.8 | 30.7 | 30.8 | 28.8 | 42.2 | 38.7 | 96.3 | 175.4 | 194.3 | 188.3 | 57.0 | 942.7 |
| Total inflow | $ft^3/s$ | 494.0 | 501.0 | 499.0 | 501.0 | 501.0 | 686.0 | 650.0 | 1,566.0 | 2,948.0 | 3,160.0 | 3,062.0 | 958.0 | NA |
| Total release | KAF | 30.7 | 29.8 | 30.7 | 30.8 | 28.8 | 42.2 | 38.7 | 96.3 | 175.3 | 194.2 | 188.2 | 56.9 | 942.6 |
| Total release | $ft^3/s$ | 499.0 | 501.0 | 499.0 | 501.0 | 501.0 | 686.0 | 650.0 | 1,566.0 | 2,946.0 | 3,158.0 | 3,061.0 | 956.0 | NA |
| **Glendo Reservoir (initial content: 134.5 KAF)** | | | | | | | | | | | | | | |
| Alcova-Glendo Gain | KAF | 13.4 | 9.3 | 9.3 | 8.8 | 13.0 | 18.4 | 30.0 | 66.9 | 5.0 | -3.9 | -2.9 | 8.4 | 175.7 |
| Inflow from Gray Reef | KAF | 30.7 | 29.8 | 30.7 | 30.8 | 28.8 | 42.2 | 38.7 | 94.9 | 173.9 | 192.8 | 186.8 | 55.5 | 935.6 |
| Total inflow | KAF | 44.1 | 39.1 | 40.0 | 39.6 | 41.8 | 60.6 | 68.7 | 163.2 | 180.3 | 190.3 | 185.3 | 65.3 | 1,118.3 |
| Total inflow | $ft^3/s$ | 717.0 | 657.0 | 651.0 | 644.0 | 727.0 | 986.0 | 1,155.0 | 2,654.0 | 3,030.0 | 3,095.0 | 3,014.0 | 1,097.0 | NA |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbine release | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.5 | 173.9 | 218.9 | 221.4 | 219.3 | 114.7 | 984.7 |
| Low flow release | KAF | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 17.9 |
| Spillway release | 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 | 0.0 |
| Irrigation release | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.2 | 45.6 | 25.2 | 5.9 | 82.9 |
| Total release | KAF | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 | 1.5 | 38.0 | 175.4 | 220.7 | 290.4 | 269.9 | 116.2 | 1,119.5 |
| Total release | $ft^3/s$ | 24.0 | 25.0 | 24.0 | 24.0 | 24.0 | 24.0 | 639.0 | 2,853.0 | 3,709.0 | 4,723.0 | 4,390.0 | 1,953.0 | NA |
| Evaporation | KAF | 1.2 | 0.8 | 0.7 | 0.7 | 0.8 | 1.9 | 3.1 | 4.5 | 5.7 | 5.6 | 3.9 | 2.1 | 31 |
| End-month content | KAF | 175.9 | 212.7 | 250.5 | 287.9 | 327.5 | 384.7 | 412.3 | 394.2 | 346.7 | 239.6 | 149.7 | 95.3 | NA |
| End-month elevation | ft | 4599.1 | 4604.7 | 4609.8 | 4614.5 | 4619.1 | 4625.1 | 4627.9 | 4626.1 | 4621.2 | 4608.4 | 4594.6 | 4582.9 | NA |
| **Guernsey Reservoir (initial content: 3.7 KAF)** | | | | | | | | | | | | | | |
| Glendo-Guerns gain | KAF | 2.7 | 1 | 1.2 | 1.1 | 1.5 | 2.6 | 0.4 | 3.3 | 1.3 | 2.8 | -8.5 | 2.3 | 11.7 |
| Inflow from Glendo | KAF | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 | 1.5 | 38.0 | 175.4 | 220.7 | 290.4 | 269.9 | 116.2 | 1,119.5 |
| Total inflow | KAF | 4.2 | 2.5 | 2.7 | 2.6 | 2.9 | 4.1 | 38.4 | 178.7 | 222.0 | 293.2 | 261.4 | 118.5 | 1,131.2 |
| Total inflow | $ft^3/s$ | 68.0 | 42.0 | 44.0 | 42.0 | 50.0 | 67.0 | 645.0 | 2,906.0 | 3,731.0 | 4,768.0 | 4,251.0 | 1,991.0 | NA |
| Turbine release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 28.2 | 53.6 | 51.8 | 53.6 | 53.6 | 55.8 | 296.6 |
| Seepage | KAF | 0.1 | 0.1 | 0.2 | 0.3 | 0.2 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 3.0 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 2.2 | 103.9 | 58.6 | 273.1 | 216.0 | 103.8 | 757.6 |
| Total release | KAF | 0.3 | 0.2 | 0.2 | 0.3 | 0.2 | 0.3 | 28.6 | 177.9 | 221.0 | 292.1 | 260.5 | 144.0 | 1,125.7 |
| Total release | $ft^3/s$ | 5.0 | 3.0 | 5.0 | 5.0 | 3.0 | 5.0 | 481.0 | 2,893.0 | 3,714.0 | 4,751.0 | 4,237.0 | 2,420.0 | NA |
| Evaporation | KAF | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.5 | 0.8 | 1 | 1.1 | 0.9 | 0.5 | 6 |
| End-month content | KAF | 6.3 | 8.4 | 10.6 | 12.7 | 15.2 | 18.7 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 2.0 | NA |
| End-month elevation | ft | 4396.3 | 4398.7 | 4400.8 | 4402.6 | 4404.4 | 4406.7 | 4411.9 | 4411.9 | 4411.9 | 4411.9 | 4411.9 | 4388.0 | NA |
| **North Platte River System of Dams (Initial content: 1673.7 KAF)** | | | | | | | | | | | | | | |
| Physical EOM content | KAF | 1,713.5 | 1,743.8 | 1,783.2 | 1,817.2 | 1,866.3 | 1,922.6 | 2,038.2 | 2,110.9 | 2,138.7 | 1,849.3 | 1,563.2 | 1,412.0 | NA |

Table 20.—North Platte water year 2024 Ownership operations

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **North Platte Pathfinder (Initial Ownership: 591.3 KAF)** | | | | | | | | | | | | | | |
| Net accrual | KAF | 30.4 | 21.6 | 34.0 | 26.6 | 36.2 | 38.2 | 123.5 | 119.2 | 77.5 | 0.0 | 0.0 | 0.0 | 507.3 |
| Evaporation | KAF | -3.2 | -0.9 | -2.3 | -1.2 | -0.6 | -0.7 | -7.9 | -8.8 | -13.4 | -13.8 | -10.8 | -6.4 | -70.1 |
| Deliv from Ownership | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.3 | -230.8 | -234.9 | -126.1 | -592.1 |
| End-month Ownership | KAF | 618.6 | 639.3 | 671.0 | 696.4 | 732.0 | 769.6 | 885.1 | 996.3 | 1,060.3 | 815.7 | 569.9 | 437.4 | NA |
| **North Platte Natural Flow** | | | | | | | | | | | | | | |
| Delivery natural flow | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 138.2 | 200.0 | 7,836.0 | 42.0 | 33.1 | 492.3 |
| **North Platte Guernsey (Initial Ownership: 0 KAF)** | | | | | | | | | | | | | | |
| Net Accrual | KAF | 0.0 | 0.0 | 10.4 | 9.7 | 14.4 | 11.3 | 0.0 | -0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 45.1 |
| Evaporation/seepage | KAF | 0.0 | 0.0 | 0.0 | 0.0 | -0.1 | -0.4 | -0.5 | -1.0 | -1.1 | 0.0 | 0.0 | 0.0 | -3.2 |
| Deliv from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -41.9 | 0 | 0 | 43.4 |
| End-month Ownership | KAF | 0 | 0 | 10,398 | 20,073 | 34,365 | 45,273 | 44,749 | 43,029 | 0 | 0 | 0 | 0 | NA |
| **Inland Lakes (Initial Ownership: 0 KAF)** | | | | | | | | | | | | | | |
| Net accrual | KAF | 16.0 | 10.2 | 0.0 | 0.0 | 0.0 | 0.0 | 20.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 46.1 |
| Evaporation/seepage | KAF | 0.0 | 0.0 | -0.1 | 0.0 | 0.0 | -0.1 | -0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -0.5 |
| Transfer from Ownership | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -22.5 | -23.1 | 0.0 | 0.0 | 0.0 | 0.0 | -45.6 |
| End-month Ownership | KAF | 15.9 | 26.1 | 26.0 | 26.0 | 25.9 | 25.8 | 23.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | NA |
| **Kendrick (Initial Ownership: 917.6 KAF)** | | | | | | | | | | | | | | |
| Net Accrual | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 34.3 | 0.0 | 0.0 | 1.3 | 35.6 |
| Evaporation | KAF | -3.3 | -1.1 | -2.7 | -1.3 | -0.6 | -0.7 | -6.6 | -4.2 | -9.7 | -10.2 | -9.1 | -7.2 | -56.6 |
| Deliv from Ownership | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -6.3 | -12.3 | -19.5 | -15.7 | -11.2 | -65.1 |
| End-month Ownership | KAF | 914.2 | 913.1 | 910.5 | 909.2 | 908.5 | 907.9 | 901.3 | 890.7 | 903.0 | 873.3 | 848.5 | 831.5 | NA |
| **City of Cheyenne (Initial Ownership: 7.2 KAF)** | | | | | | | | | | | | | | |
| Inflow | KAF | 1.07 | 0.82 | 0.53 | 0.54 | 0.54 | 0.65 | 0.31 | 1.15 | 0.78 | 0.47 | 0.94 | 1.20 | 8.99 |
| Evaporation | KAF | -0.03 | -0.01 | -0.02 | -0.01 | 0.00 | 0.00 | -0.08 | -0.04 | -0.03 | -0.03 | -0.03 | -0.03 | -0.31 |
| Release | KAF | -0.17 | -0.02 | -0.10 | -0.17 | -0.24 | -0.31 | -0.52 | -6.58 | -2.78 | -0.45 | -0.24 | -0.37 | -11.95 |
| Ownership | KAF | 8.07 | 8.86 | 9.27 | 9.63 | 9.93 | 10.28 | 9.99 | 4.51 | 2.48 | 2.47 | 3.14 | 3.94 | NA |
| **Pacificorp (Initial Ownership: 2 KAF)** | | | | | | | | | | | | | | |
| Inflow | KAF | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.50 | 0.34 | 0.03 | 0.03 | 1.15 |
| Evaporation | KAF | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 | -0.01 | 0.00 | -0.01 | -0.02 | -0.03 | -0.03 | -0.03 | -0.15 |
| Release | KAF | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -1.00 | 0.00 | 0.00 | -1.00 |
| Ownership | KAF | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 2.00 | 1.00 | 1.50 | 2.00 | NA |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Other (Initial Ownership: 10.4 KAF)** | | | | | | | | | | | | | | |
| Inflow | KAF | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.64 | 0.40 | 0.23 | 0.50 | 0.00 | 0.00 | 4.86 | 5.63 |
| Evaporation | KAF | -0.06 | 0.00 | -0.01 | 0.00 | -0.01 | -0.04 | -0.04 | -0.10 | -0.15 | -0.16 | -0.11 | -0.08 | -0.74 |
| Release | KAF | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | -3.07 | -2.33 | -2.42 | -7.83 |
| Ownership | KAF | 10.32 | 10.32 | 10.30 | 10.30 | 10.30 | 10.90 | 11.26 | 11.39 | 10.67 | 74.43 | 5.01 | 7.37 | NA |

* North Platte Required Deliveries includes Decree Natural Flow Requirements

Table 21.—North Platte water year 2024 irrigation delivery operations

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Kendrick (Casper Canal)** | | | | | | | | | | | | | | |
| Requested | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 12.3 | 19.5 | 15.7 | 11.2 | 65.0 |
| Delivered | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.3 | 12.3 | 19.5 | 15.7 | 11.2 | 65.0 |
| **Kendrick (River)** | | | | | | | | | | | | | | |
| Requested | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 7.0 |
| Delivered | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 7.0 |
| **Guernsey Deliveries** | | | | | | | | | | | | | | |
| North Platte req | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | 154.8 | 221.0 | 280.6 | 247.4 | 139.3 | 1,049.2 |
| Glendo requested | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.4 | 10.8 | 2.3 | 21.5 |
| Inland Lakes req | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 22.5 | 23.1 | 0.0 | 0.0 | 0.0 | 0.0 | 45.6 |
| Total requirement | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28.6 | 177.9 | 221.0 | 289.0 | 258.2 | 141.6 | 1,116.3 |
| Seepage | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 1.2 | 3.0 | 3.1 | 2.5 | 0.3 | 12.1 |
| Actual release | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 28.6 | 177.9 | 221.0 | 292.1 | 260.5 | 144.0 | 1,125.7 |

Table 22.—North Platte water year 2024 power operations

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Seminoe Power Plant** | | | | | | | | | | | | | | |
| Turbine release | KAF | 34.2 | 32.7 | 33.2 | 33.1 | 30.8 | 33.6 | 89.6 | 158.5 | 155.4 | 160.0 | 125.2 | 34.0 | 920.3 |
| Bypass | 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 | 0.0 |
| Maximum generation | GWh | 33.052 | 31.763 | 32.653 | 32.479 | 30.261 | 32.406 | 31.597 | 33.006 | 32.397 | 33.480 | 32.258 | 30.058 | 385.410 |
| Actual generation | GWh | 5.723 | 5.461 | 5.520 | 5.471 | 5.082 | 5.544 | 14.893 | 26.489 | 26.539 | 27.330 | 20.658 | 5.462 | 154.172 |
| Percent max generation | | 17 | 17 | 17 | 17 | 17 | 17 | 47 | 80 | 82 | 82 | 64 | 18 | 40 |
| Average kwh/AF | | 167.0 | 167.0 | 166.0 | 165.0 | 165.0 | 165.0 | 166.0 | 167.0 | 171.0 | 171.0 | 165.0 | 161.0 | 168.0 |
| **Kortes Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 34.1 | 32.7 | 33.2 | 33.1 | 30.8 | 33.6 | 89.6 | 158.5 | 155.3 | 160 | 125.2 | 34 | 920.1 |
| Bypass | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 |
| Maximum generation | GWh | 28.346 | 26.712 | 27.606 | 27.606 | 25.817 | 27.606 | 26.712 | 27.606 | 26.712 | 27.606 | 27.606 | 26.712 | 326.647 |
| Actual generation | GWh | 5.865 | 5.624 | 5.71 | 5.693 | 5.298 | 5.779 | 15.411 | 27.262 | 26.712 | 27.52 | 21.534 | 5.848 | 158.256 |
| Percent max generation | | 21 | 21 | 21 | 21 | 21 | 21 | 58 | 99 | 100 | 100 | 78 | 22 | 48 |
| Average kwh/AF | | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| **Fremont Canyon Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 1.6 | 25.6 | 26.3 | 26.4 | 24.7 | 38 | 58.5 | 99 | 163.6 | 169.1 | 169.1 | 64.8 | 866.7 |
| Bypass | KAF | 4.6 | 4.5 | 4.6 | 4.6 | 4.3 | 4.6 | 4.5 | 4.6 | 25.5 | 46.3 | 36.3 | 4.5 | 148.9 |
| Maximum generation | GWh | 46.089 | 44.712 | 46.244 | 46.294 | 43.366 | 46.369 | 45.005 | 46.992 | 45.611 | 46.688 | 46.007 | 43.864 | 474.400 |
| Actual generation | GWh | 0.436 | 6.996 | 7.192 | 7.227 | 6.771 | 10.420 | 16.093 | 27.511 | 45.611 | 46.688 | 46.007 | 17.374 | 238.326 |
| Percent max generation | | 1 | 16 | 16 | 16 | 16 | 22 | 36 | 59 | 100 | 100 | 100 | 40 | 44 |
| Average kwh/AF | | 273 | 273 | 273 | 274 | 274 | 274 | 275 | 278 | 279 | 276 | 272 | 268 | 275 |
| **Alcova Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 30.4 | 29.8 | 30.7 | 30.8 | 28.8 | 42.2 | 38.7 | 96.3 | 175.4 | 194.3 | 188.3 | 57 | 942.7 |
| Bypass | 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 | 0.0 |
| Maximum generation | GWh | 27.182 | 26.588 | 27.472 | 27.472 | 25.704 | 27.472 | 26.275 | 27.552 | 26.656 | 27.552 | 27.552 | 26.656 | 324.133 |
| Actual generation | GWh | 4.199 | 4.053 | 4.175 | 4.189 | 3.917 | 5.739 | 5.341 | 13.482 | 24.556 | 27.202 | 26.362 | 7.980 | 131.195 |
| Percent max generation | | 1 | 16 | 16 | 16 | 16 | 22 | 36 | 59 | 100 | 100 | 100 | 40 | 44 |
| Average kwh/AF | | 273 | 273 | 273 | 274 | 274 | 274 | 275 | 278 | 279 | 276 | 272 | 268 | 275 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Glendo Power Plant** | | | | | | | | | | | | | | |
| Turbine release | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 36.5 | 173.9 | 218.9 | 221.4 | 219.3 | 114.7 | 984.7 |
| Bypass | KAF | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 | 1.5 | 1.5 | 1.5 | 1.8 | 69 | 50.6 | 1.5 | 134.8 |
| Maximum generation | GWh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 23.859 | 24.794 | 23.094 | 21.607 | 18.054 | 13.432 | 124.84 |
| Actual generation | GWh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.93 | 18.787 | 23.094 | 21.607 | 18.054 | 7.635 | 93.107 |
| Percent max generation | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 16 | 76 | 100 | 100 | 100 | 57 | 75 |
| Average kwh/AF | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 108 | 108 | 106 | 98 | 82 | 67 | 95 |
| **Guernsey Power Plant** | | | | | | | | | | | | | | |
| Turbine release | KAF | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 28.2 | 53.6 | 51.8 | 53.6 | 53.6 | 55.8 | 296.6 |
| Bypass | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 124.3 | 169.2 | 238.5 | 206.9 | 88.2 | 829.1 |
| Maximum generation | GWh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.584 | 3.795 | 3.667 | 3.795 | 3.795 | 3.404 | 22.04 |
| Actual generation | GWh | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.918 | 3.795 | 3.667 | 3.795 | 3.795 | 3.404 | 20.374 |
| Percent max generation | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 54.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 92.0 |
| Average kwh/AF | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 68.0 | 71.0 | 71.0 | 71.0 | 71.0 | 61.0 | 69.0 |

# Flood Benefits for Water Year 2024

**Table 23.—Water Year 2024 flood benefits**

| Dams | Water Year 2024 | Prior To 2024 [1] | Accumulated Total [2] |
|---|---|---|---|
| Seminoe | $59,500 | $103,023,400 | $103,082,900 |
| Pathfinder | $0 | $36,824,300 | $36,824,300 |
| Alcova | $6,700 | $3,438,900 | $3,445,600 |
| Glendo | $3,884,000 | $254,757,700 | $298,601,700 |
| Total | $3,950,200 | $398,044,300 | $401,994,500 |

1 This data is received from the Army Corps of Engineers Omaha District Office and is revised every October.
2 The period of assessment is 1970 through 2021 except for Glendo Dam, which is 1964 through 2021.

# Generation for Water Year 2024

Power generation was above average for Seminoe and Kortes due to above average inflows and redistribution of storage between the reservoirs through late summer. Due to prior two drought years, there was insufficient storage to require passing excess flows downstream. Power generation for Fremont Canyon down to Glendo was below average resulting from below average irrigation demands and above average gains in WY2024. Power generation for Guernsey was average due to small powerplant capacity not fluctuating with consistently higher flow changes in irrigation demands. See table 24 for a breakdown of generation by powerplant during WY2024.

**Table 24.—Water Year 2024 power generation**

| Powerplant | Gross Generation[1] (GWh) | Average Gross Generation[2] (GWh) | Percent of Average [2] |
|---|---|---|---|
| Seminoe | 138.9 | 127.5 | 109 |
| Kortes | 162.1 | 133.9 | 121 |
| Fremont Canyon | 228.8 | 215.4 | 106 |
| Alcova | 120.1 | 107.1 | 112 |
| Glendo | 88.4 | 83.1 | 106 |
| Guernsey | 18.5 | 17.5 | 106 |
| Total basin | 613 | 682.2 | 111 |

1 Generation is reported in giga-watt hours (GWh).
2 30-year average (1995–2024).

The number of generation units at each powerplant, their capacity, and output at rated head is shown in table 25.

**Table 25.—Power generation capacity**

| Powerplant | Number of Units | Capacity Each Unit (kw) | Total [1] Installed Capacity (kw) | Normal Operating Head (feet) | Output at Rated Head ($ft^3/s$) |
|---|---|---|---|---|---|
| Seminoe | 3 | 15,000 [2] | 51,750 [2] | 97-227 | 4,050 |
| Kortes | 3 | 12,000 | 36,000 | 192-204 | 2,910 |
| Fremont Canyon | 2 | 33,400 | 66,800 | 247-363 | 3,080 |
| Alcova | 2 | 19,500 | 41,400 | 153-165 | 4,100 |
| Glendo | 2 | 19,000 | 38,000 | 73-156 | 3,400 |
| Guernsey | 2 | 3,200 | 6,400 | 89-91 | 1,340 |
| Total | 14 | | 237,200 | | |

1 Installed capacity from Monthly Report of Power Operations-Powerplant (Form PO&M 59).
2 A mechanical restriction allows a 42,000-kw generation, 12,000 kw per unit.

# Proposed Operations for Water Year 2025

Three operation studies were performed for the System to establish an AOP for WY2025. Each of the studies conformed to the established operating criteria but used different inflow conditions and different demand conditions.

The three inflow conditions were determined from a statistical analysis of historic inflows and were labeled reasonable minimum, reasonable maximum, and most probable inflow estimates. The most probable inflow is based on long-term averages and approximates a 50 percent chance of at least this much inflow occurring. The maximum plan has a 10 percent chance of at least this much inflow occurring. The minimum plan has a 90 percent chance of at least this much inflow occurring. The three studies for WY2025 are summarized numerically in tables 28 through 39.

The AOP, as developed and reflected in the three studies, provides the flexibility to adjust operations as conditions change during the water year. Forecasts of the April–July reservoir inflow is made at the beginning of each month during February through May. Projected operating schedules will be adjusted throughout the water year as changes occur in the forecasted inflows, irrigation demands, maintenance schedules, and power loads.

The total storage in mainstem reservoirs on the North Platte River in Wyoming (including Kortes Reservoir and Gray Reef Reservoir) was 1,412,026 AF at the beginning of WY2025, 94 percent of average and 50 percent of active conservation capacity.

# Seminoe Reservoir

## Most Probable Condition – 2025

October through March – Seminoe Reservoir contained 554,100 AF at the beginning of WY2025, 90 percent of average and 54 percent of active conservation capacity. Planned turbine releases from Seminoe Reservoir are approximately 530 $ft^3/s$ for October through March. Reservoir storage would decrease to about 541,600 AF by March 31, 2025. The releases are based on an estimated Seminoe inflow for the October through March period of 183,400 AF. The planned Seminoe and Kortes release of 530 $ft^3/s$ for October through March is required to maintain a minimum flow of at least 500 $ft^3/s$ in the Miracle Mile reach of the river.

April through September – Planned releases increase to 1,000 $ft^3/s$ in April then 2,600 $ft^3/s$ in May, reducing to 1,800 in July. Planned releases decrease to approximately 1,100 $ft^3/s$ in August then 640 $ft^3/s$ in September. There is no bypass expected in the most probable scenario. Seminoe Reservoir storage is expected to reach a maximum of 810,000 AF by the end of June. Projected carryover storage of about 716,000 AF at the end of the water year would be 114 percent of average and 70 percent of active conservation capacity.

## Reasonable Minimum Condition – 2025

October through March – Planned turbine releases from Seminoe Reservoir are approximately 530 $ft^3/s$ for October through March. A release of at least 500 $ft^3/s$ is required to maintain the minimum flow in the Miracle Mile reach of the river. Inflows are predicted to be 151,400 AF for the period Oct 2024 through March 2025, 32,000 AF less than the most probable condition. March 31 reservoir content is expected to be approximately 509,700 AF.

April through September – Seminoe water releases will increase to 1,200 $ft^3/s$ in April, 1,800 $ft^3/s$ in May and almost 2,000 $ft^3/s$ in June, decreasing to 1,329 $ft^3/s$ in July. Seminoe water releases will further decrease to 530 $ft^3/s$ in August and September. The June content will be approximately 500,500 AF and the water year will end with a content of 407,000 AF, 65 percent of average and 40 percent of active conservation capacity.

## Reasonable Maximum Condition – 2025

October through March – Planned water releases for this period are similar to the most probable condition as water is moved downstream to generate power and prepare Seminoe Reservoir to capture spring runoff. Although inflows to Seminoe Reservoir are higher under these conditions, actual changes in winter operations are made gradually until it is evident that the inflow quantities being experienced are showing a trend towards the maximum inflows for the water year. October through March inflows under this condition would be 212,600 AF, 29,200 AF more than the most probable runoff condition. The reservoir content would decrease to 480,800 AF by the end of March under these conditions.

April through September – Seminoe Reservoir releases could increase in March to 2,000 $ft^3/s$, in April to 3,000 $ft^3/s$, in May to 3,600 $ft^3/s$, and in June to almost 4,800 $ft^3/s$. Releases would then decrease to 3,600 $ft^3/s$ in July and then 1,259 $ft^3/s$ in August, then 573 $ft^3/s$ in September. The minimum winter flow rate is 530 $ft^3/s$. Inflows for the April through July period could be approximately 1,339,000 AF, 586,000 AF more than the most probable runoff condition forecast. Seminoe Reservoir will reach its maximum end of month content for the year in June with approximately 950,200 AF in storage. This plan of operation would result in an end of year carryover storage of 856,400 AF, 137 percent of average and 84 percent of active conservation capacity.

Figures 12 and 13 depict a comparison of minimum, most probable, and maximum Seminoe inflows and storage, respectively.

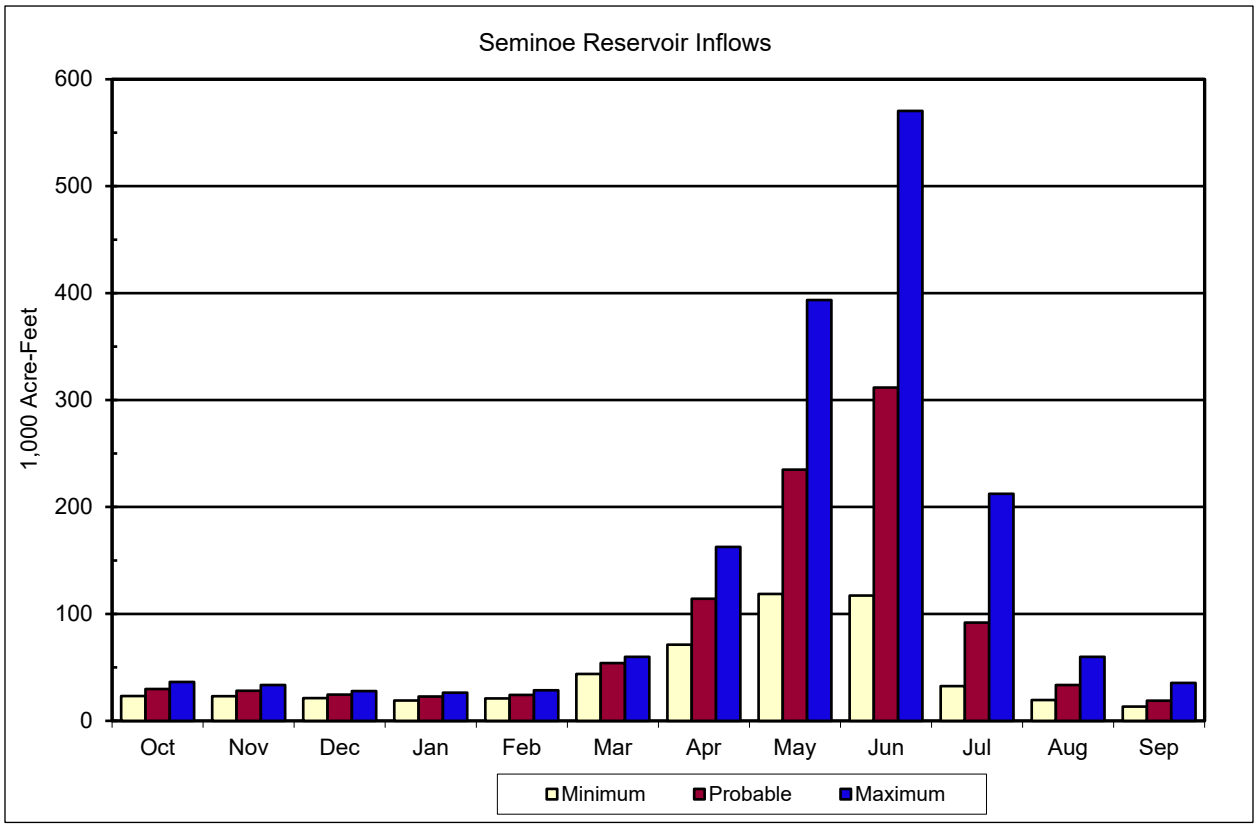


**Figure 12.—Seminoe Reservoir inflow (predicted for water year 2025).**

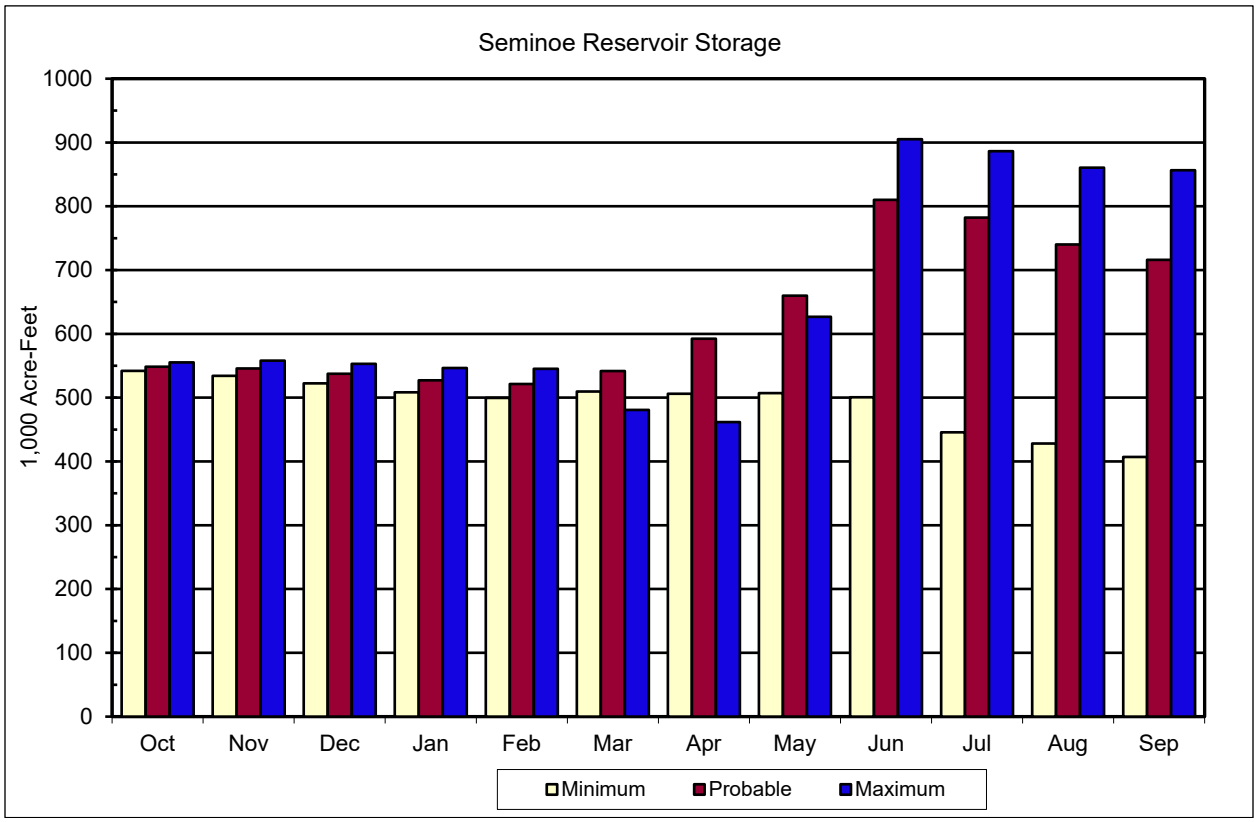


**Figure 13.—Seminoe Reservoir storage (predicted for water year 2025).**

# Pathfinder Reservoir

## Most Probable Condition – 2025

October through March – Pathfinder Reservoir contained 572,300 AF at the beginning of WY2025, 102 percent of the 30-year average and 53 percent of active conservation capacity. Gains to the river between Kortes Dam and Pathfinder Dam, including the Sweetwater River, are expected to be 34,300 AF for the October-March period. Fremont Canyon Powerplant releases will be reduced during October to allow Alcova Reservoir water surface level to be lowered to the normal winter operating level of 5488.00 feet. After the Alcova winter operating range is reached, releases from Pathfinder Reservoir will be adjusted to meet Gray Reef Reservoir releases and maintain the Alcova Reservoir content between 153,800 and 158,300 AF. Pathfinder Reservoir storage is projected to be about 609,500 AF at the end of March.

April through September – Pathfinder Reservoir storage will reach a maximum content of about 690,300 AF by the end of June and be drawn down to a storage content of about 477,300 AF, 85 percent of average, by the end of the water year. River gains between Kortes Dam and Pathfinder Dam, including the Sweetwater River, are estimated at about 68,300 AF for the April–July period.

April through September – In April, Fremont Canyon Powerplant releases will be coordinated with Alcova releases to refill Alcova Reservoir to its normal summer operating range of 5,498 + 1 foot. Fremont Canyon power releases will be scheduled to meet downstream irrigation deliveries and maintain Alcova Reservoir within the summer operating range. Pathfinder Reservoir water releases will increase in April to approximately 1,100 $ft^3/s$, 2,000 $ft^3/s$ in May, 2,400 $ft^3/s$ in June and 2,750 $ft^3/s$ in July. Releases will decrease to 2,700 $ft^3/s$ in August, and approximately 1,530 $ft^3/s$ in September.

## Reasonable Minimum Condition - 2025

October through March – River gains between Kortes Dam and Pathfinder Dam, including the Sweetwater River, are expected to be 14,300 AF for the October-March period. Pathfinder Reservoir storage could decline to about 589,500 AF by the end of March. Fremont Canyon Powerplant releases for the period will be scheduled to maintain the Alcova Reservoir content between 153,800 and 158,300 AF.

April through September – River gains between Kortes Dam and Pathfinder Dam, including the Sweetwater River, are estimated at about 9,900 AF for the April–July period. In April, releases will be coordinated with Alcova releases to refill Alcova Reservoir to its normal summer operating range of 5498 ft +/- 1 foot by the end of April.

April through September – Fremont Canyon power releases will be scheduled to meet downstream irrigation deliveries and maintain a storage content of approximately 179,400 AF in Alcova Reservoir. The highest Pathfinder Reservoir summer releases could be approximately 2,750 $ft^3/s$, during June, and then reduced as irrigation demands decline to end the water year at approximately 1,023 $ft^3/s$ during September. Pathfinder reservoir content at the end of the water year will be about 271,000 AF, 48 percent of average and 25 percent of active conservation capacity.

## Reasonable Maximum Condition - 2025

October through March – River gains between Kortes Dam and Pathfinder Dam are expected to be 47,600 AF for the period. Pathfinder Reservoir content increases through this period to 712,200 AF by the end of March.

April through September – River gains between Kortes Dam and Pathfinder Dam, including the Sweetwater River, are estimated at about 16,800 AF for the April-July period. In April, water releases from Fremont Canyon Powerplant will be increased as Alcova Reservoir is refilled to water surface elevation 5498 + 1 foot. The rate of release will be increased through the summer as needed to meet downstream irrigation demands. Pathfinder Reservoir would reach a maximum content of 941,800 AF at the end of June filling the conservation pool. To avoid too much water in Glendo, releases will be approximately 800 $ft^3/s$ in March, 3,055 $ft^3/s$ in April, 3,370 $ft^3/s$ in May, 3,448 $ft^3/s$ in June, and 3,462 $ft^3/s$ in July. Releases will be decreased to

2,077 $ft^3/s$ August and 1,178 $ft^3/s$ in September. The Pathfinder Reservoir end of year storage content is projected to be about 856,300 AF, 153 percent of average, and 80 percent of capacity. Under all three possible inflow conditions, a constant release of 75 $ft^3/s$ is planned from the Pathfinder Dam outlet works providing the necessary water to maintain a year-round fishery in the North Platte River below Pathfinder Reservoir. The maximum plan will require a bypass April through July from the jet flow gates below Pathfinder Dam.

Figures 14 and 15 depict a comparison of minimum, most probable, and maximum river gains from Kortes Dam to Pathfinder Reservoir and storage at Pathfinder Reservoir, respectively.

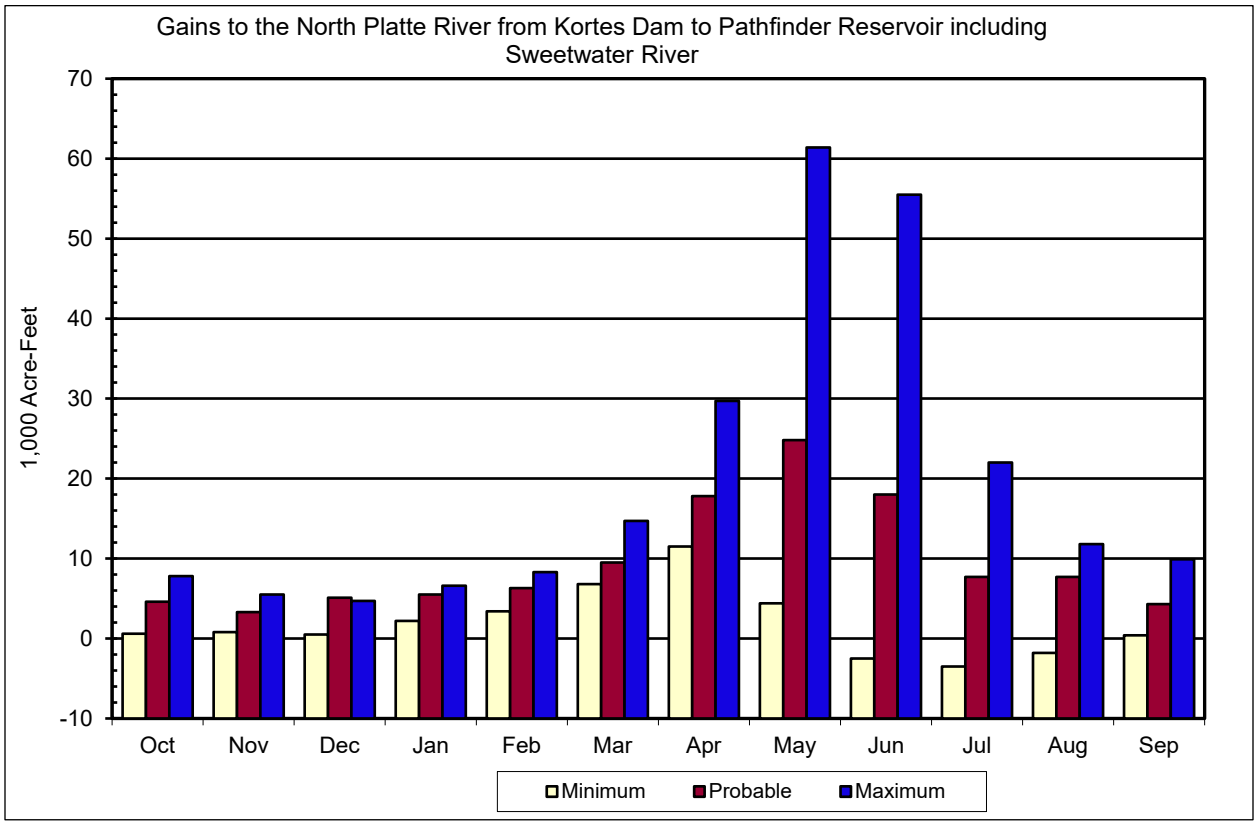


**Figure 14.—Gains to the North Platte from Kortes Dam to Pathfinder Reservoir (predicted for WY2025).**

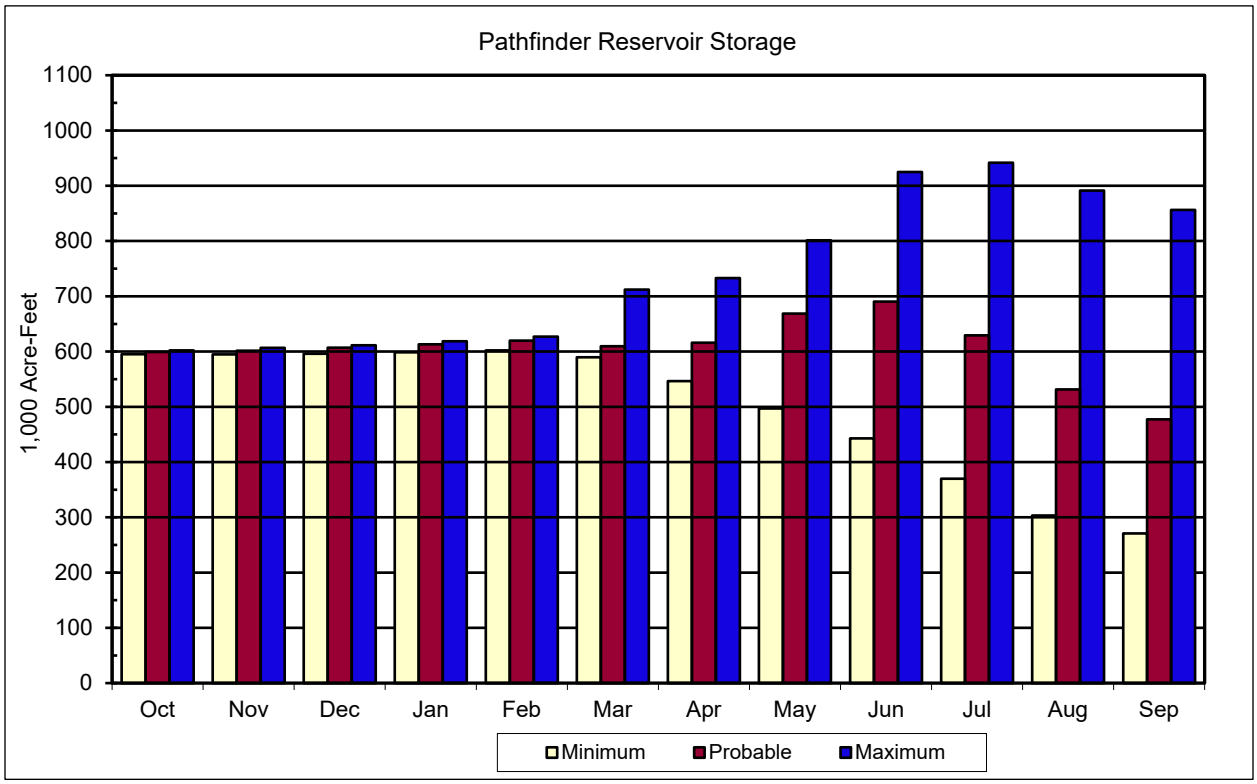


**Figure 15.—Pathfinder Reservoir storage (predicted for WY2025).**

# Alcova Reservoir

## Most Probable Condition – 2025

October through April – During October through March, Alcova Reservoir will be drawn down to the winter operating level of 5488.0 +/- 1 foot. On October 1, the release from Pathfinder will be decreased while maintain winter operating flows of 500 $ft^3/s$ from Alcova to lower the water level to 5488 feet by October 31. The winter releases will be used for production of power, maintenance of fishery flows, pollution abatement, and transfer of water to Glendo Reservoir in preparation for meeting downstream irrigation demands during the coming irrigation season. Provisions have been made in the plan to increase the releases from Alcova during March for a flushing flow below Gray Reef Reservoir. March releases will be approximately 49,200 AF and April releases will be approximately 41,700 AF.

May through September – During April, the reservoir will be refilled to water surface elevation 5498 feet (179,400 AF). This level will be maintained within +/- 1 foot to provide the necessary water surface elevation to make irrigation deliveries to Casper Canal and for recreational purposes. Approximately 65,900 AF of water is scheduled to be delivered from Casper Canal

during the May–September period to meet Kendrick Project irrigation requirements. May–September releases to the river from Alcova Reservoir will total approximately 620,600 AF which will be regulated in Gray Reef Reservoir to meet down river irrigation demand.

## Reasonable Minimum Condition – 2025

May through September – Operation of Alcova Reservoir would be the same as under the most probable condition, with about 65,900 AF of water scheduled to be delivered during the May-September period to meet Kendrick Project irrigation requirements. May–September releases to the North Platte River from Alcova Reservoir will total approximately 548,200 AF. Water released from Alcova Reservoir will be regulated in Gray Reef Reservoir.

## Reasonable Maximum Condition – 2025

May through September – Operation of Alcova Reservoir would be the same as under the most probable condition, with about 65,900 AF of water scheduled to be delivered during the May-September period to meet Kendrick Project irrigation requirements. May–September releases to the North Platte River from Alcova Reservoir will total approximately 750,700 AF. Figure 16 depicts a comparison of minimum, most probable, and maximum Alcova Storage.

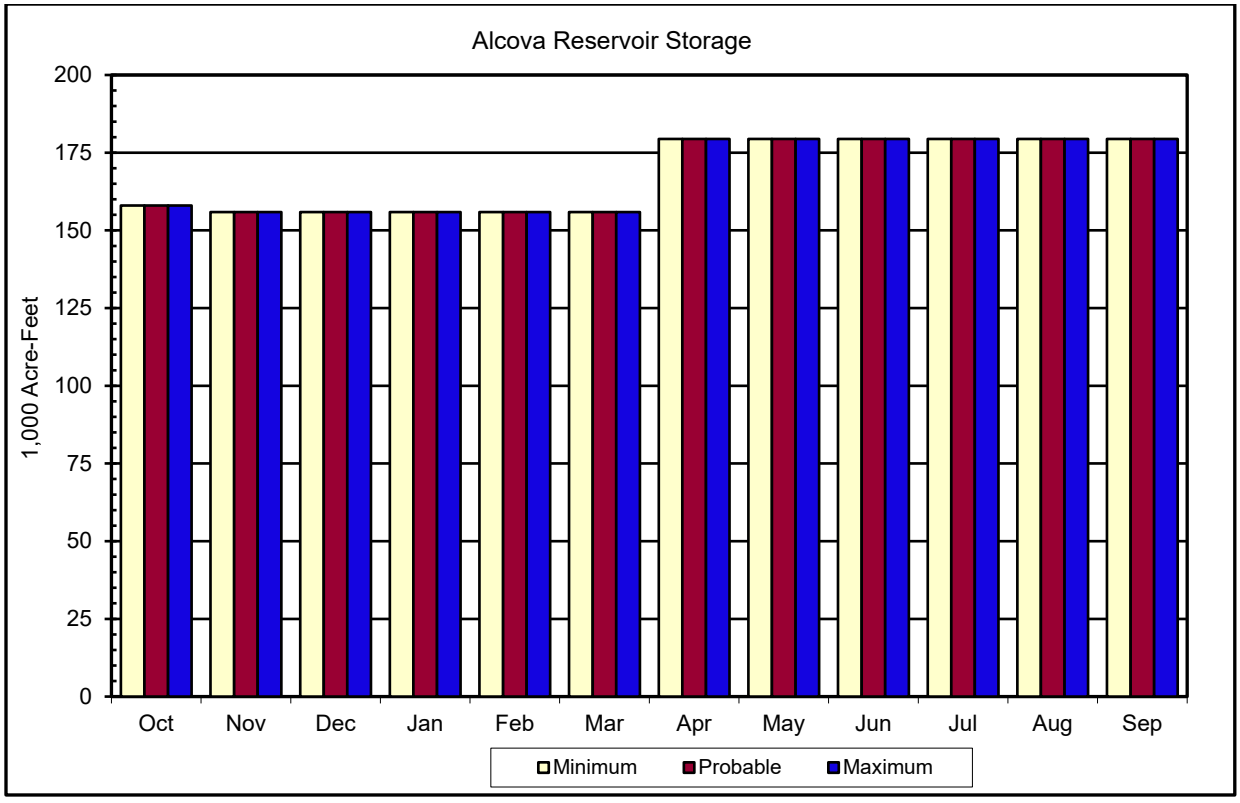


**Figure 16.—Alcova Reservoir storage (predicted for WY2025).**

# Gray Reef Reservoir

## Most Probable Condition – 2025

October through March – Beginning October 1 the release from Gray Reef Reservoir will be the winter operating flow of 500 $ft^3/s$ through March. A flushing flow is planned below Gray Reef Dam during March.

April through September – Releases from Gray Reef Reservoir will increase in April to 700 $ft^3/s$, 1,872 $ft^3/s$ in May, 2,129 $ft^3/s$ in June, and maintain 2,423 $ft^3/s$ in July and August. Releases will decrease to 1,351 $ft^3/s$ in September.

## Reasonable Minimum Condition – 2025

October through March – Operation of Gray Reef Reservoir winter releases will be the same as under the most probable condition through March.

April through September – Releases will increase to 1,630 $ft^3/s$ in April, 2,423 $ft^3/s$ in May, 2,501 $ft^3/s$ in June, and decrease to 2,023 $ft^3/s$ in July, 1,223 $ft^3/s$ in August, and 847 $ft^3/s$ in September.

## Reasonable Maximum Condition – 2025

October through March – Operation of Gray Reef Reservoir winter releases will be the same as under the most probable condition through March.

April through September – Coordinated releases with respect to maintaining Glendo below or at the flood pool will increase to 2,647 $ft^3/s$ in April, 3,199 $ft^3/s$ in May, 3,200 $ft^3/s$ in June, and decrease to 3,137 $ft^3/s$ in July, 1,800 $ft^3/s$ in August, and 1,002 $ft^3/s$ in September.

# Glendo and Guernsey Reservoirs

## Most Probable Condition – 2025

October through March – Glendo Reservoir had a storage of 95,300 AF at the beginning of WY2024, 71 percent of average and 19 percent of the active conservation capacity, 492,022 AF. Glendo Reservoir storage will increase to approximately 352,300 AF by the end of March, 91 percent of average and 71 percent of active conservation capacity.

Guernsey Reservoir had storage of 3,570 AF at the beginning of WY2024, 82 percent of average and eight percent of active conservation capacity. Natural inflow will be stored during the winter which is expected to increase storage to 10,600 AF by the end of March.

April through September – During April, releases from Glendo Reservoir will be scheduled to refill Guernsey Reservoir. Maximum Glendo Reservoir storage will be about 480,000 AF by the end of June. Releases from Glendo Reservoir during the May through September period will be based upon meeting irrigation demand.

Guernsey Reservoir content will be maintained near 28,000 AF by the beginning of May through August not including the July silt run. The silt run in July generally runs two weeks and will require close coordination of Glendo and Guernsey release schedules as Guernsey Reservoir is drawn down to about 1,000 AF, entraining silts within the irrigation releases. Guernsey will be refilled to approximately 28,000 AF following the silt run while continuing to meet irrigation demand.

Each year Glendo and Guernsey storage content is prepared for winter operations by September 30, the end of the water season. Upstream releases in September will be made to meet irrigation requirements leaving 100,000 AF of water in Glendo Reservoir and 2,000 AF in Guernsey.

## Reasonable Minimum Condition – 2025

October through March – Natural inflow will be stored during the winter increasing the Guernsey Reservoir content to 9,300 AF by the end of March. Glendo Reservoir content will increase to an end of March content of 344,200 AF.

April through September – During April, releases from Glendo Reservoir will be scheduled to refill Guernsey Reservoir. Maximum Glendo Reservoir storage will be about 480,000 AF by the end of June. Releases from Glendo Reservoir during the May through September period will be based upon meeting irrigation demand including the silt run.

Each year Glendo and Guernsey storage content is prepared for winter operations by September 30, the end of the water season. Upstream releases in September will be made to meet irrigation requirements leaving 100,000 AF of water in Glendo Reservoir and 2,000 AF in Guernsey.

## Reasonable Maximum Condition – 2025

October through March – Natural inflow will be stored during the winter which will increase Guernsey Reservoir content to 19,100 AF by the end of March. Glendo Reservoir content is expected to an end of March content of 373,600 AF.

April through September – During April, releases from Glendo Reservoir will be scheduled to refill Guernsey Reservoir. Maximum Glendo Reservoir storage will be about 492,000 AF by the end of June. Releases from Glendo Reservoir during the May through September period will be based upon meeting irrigation demand including the silt run.

Each year Glendo and Guernsey storage content is prepared for winter operations by September 30, the end of the water season. Upstream releases in September will be made to meet irrigation requirements leaving 100,000 AF of water in Glendo Reservoir and 2,000 AF in Guernsey.

Figures 17 and 18 depict a comparison of minimum, most probable, and maximum river gains from Alcova Dam to Glendo Reservoir and Glendo Reservoir storage, respectively.

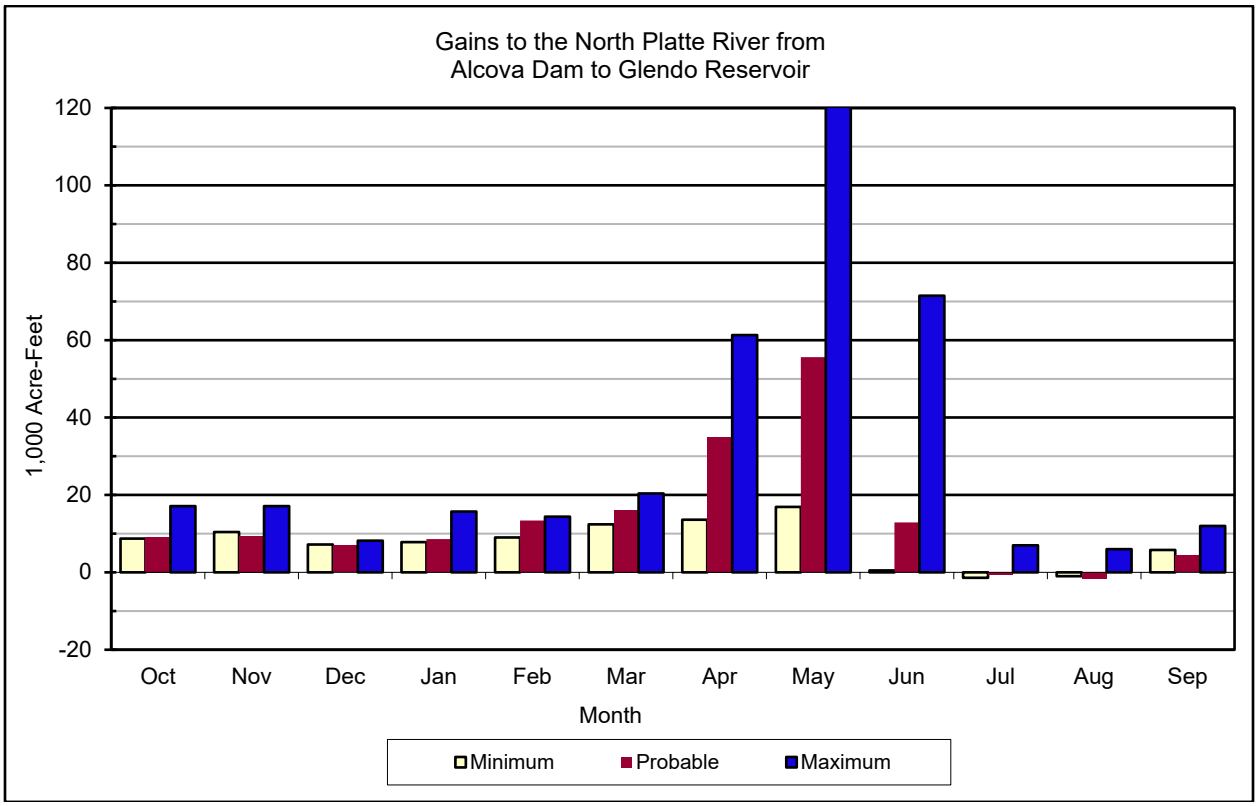


**Figure 17.—Gains to North Platte River from Alcova Dam to Glendo Reservoir (predicted for WY2025).**

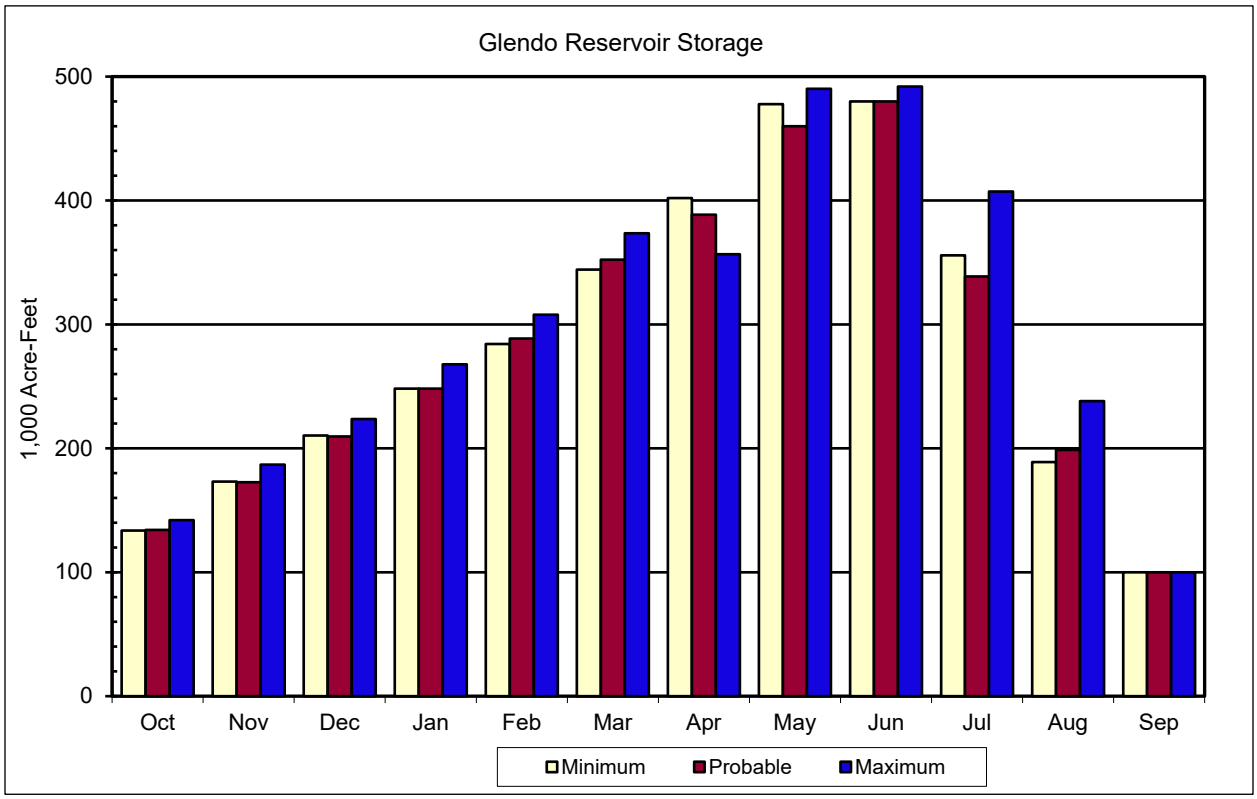


**Figure 18.—Glendo Reservoir storage (predicted for WY2025).**

# Ownerships

## Most Probable Condition – 2025

Stored water held in active conservation capacity accounts for various entities is referred to as their ownership. By the close of WY2025, the North Platte Project storage ownership is expected to be 497,400 AF, 111 percent of the average, 446.7 thousand AF. The Kendrick Project storage ownership is expected to be at 842,000 AF, 92 percent of the average, 919.5 thousand AF. Glendo storage ownership is expected to be 123,500 AF, 95 percent of the average, 129.6 thousand AF.

## Reasonable Minimum Condition – 2025

The North Platte Project storage ownership could be at 154,900 AF, 35 percent of average, at the close of WY2025. The Kendrick Project storage ownership could be near 690,300 AF, 82 percent of average. Glendo storage ownership is expected to be 102,400 AF, 79 percent of average.

## Reasonable Maximum Condition – 2025

The North Platte Project storage ownership could be at 700,400 AF, 157 percent of average, at the close of WY2025. The Kendrick Project storage ownership could be near 1,132,400 AF, 123 percent of average. Glendo storage ownership could be 149,400 AF, 115 percent of average. Under reasonable maximum inflow conditions all storage water ownerships, in the North Platte River system, will fill during WY2025.

Figure 19 depicts a comparison of Minimum, Most Probable, and Maximum, Kendrick, North Platte Project, and Glendo Project ownerships at the end of WY2025.

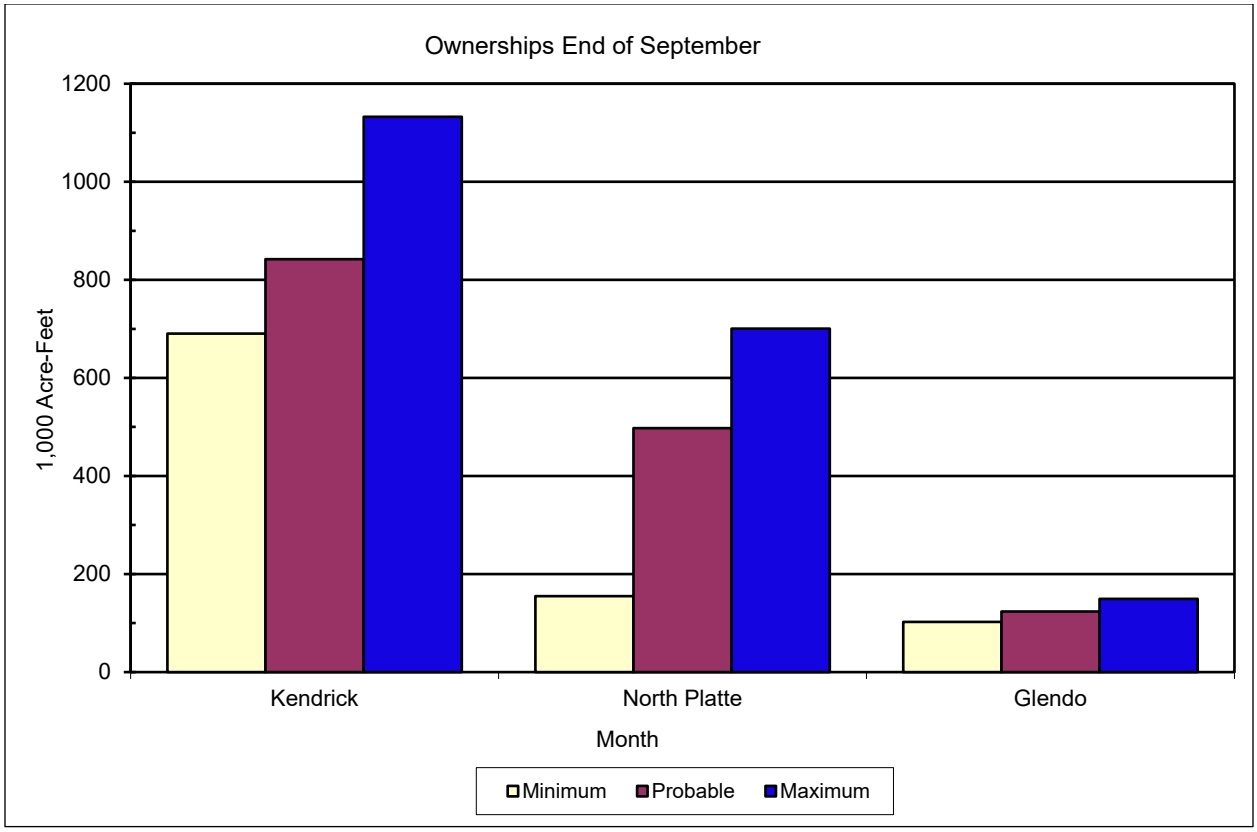


**Figure 19.—Ownerships at the end of September (predicted for WY2025).**

## Most Probable Generation Water Year 2025

Table 26 depicts the most probable power generation for each powerplant.

**Table 26.—Water Year 2025 most probable generation**

Powerplant generation predicted for the most probable inflow scenario.

| Powerplant | Gross Generation [1](GWh) | Percent of Average [2] |
|---|---|---|
| Seminoe | 130.032 | 102 |
| Kortes | 134.623 | 101 |
| Fremont Canyon | 236.576 | 110 |
| Alcova | 119.698 | 111 |
| Glendo | 85.077 | 102 |
| Guernsey | 20.069 | 115 |
| Total Basin | 726.075 | 106 |

1 Gross generation is based on October 1, 2024 storage and most probable inflow. Gross generation is reported in giga-watt hours (GWh).

2 30-year average (1995–2024).

The Facilities Management Division created the WY2025 schedule of maintenance for all generating units depicted in table 27.

**Table 27.—Proposed generating unit maintenance schedule (October 2024 through September 2025)**

| Facility and Unit No. | Scheduled Period | Description of Work |
|---|---|---|
| Fremont Canyon | 11 Dec. 2024 to 28 Feb. 2025 | Extended exciter work |
| Guernsey | 6 Jan. 2025 to 25 Feb. 2025 | C1 Panel replacement |
| Kortes | 13 Jan. 2025 to 25 Feb. 2025 | Major Annual Unit 1 and transformer |
| Seminoe | 27 Jan. 2025 to 15 Mar. 2025 | Unit 1 and ring seal gate |
| Boysen | 28 Jan. 2025 to 28 Feb. 2025 | Unit 2 annual maintenance |
| Heart Mountain | 10 Feb. 2025 to 27 Mar. 2025 | Unit 1 annual maintenance |
| Alcova | 12 Feb. 2025 to 13 Mar. 2025 | Unit 1 annual maintenance |
| Buffalo Bill | 18 Feb. 2025 to 20 Feb. 2025 | Transformers and breakers |
| Boysen | 24 Feb. 2025 to 27 Mar. 2025 | Unit 1- and 2-Watt hour meter replacement |
| Glendo | 3 Mar. 2025 to 6 Mar. 2025 | Transformers, breakers, and cables |
| Spirit Mountain | 7 Apr. 2025 to 10 Apr. 2025 | Tunnel inspection and exciter brushes |
| Guernsey all units | 8 July 2025 to 24 July 2025 | Silt run |

# Appendix A

Operating Plans for Water Year 2025

The following stated plans are based on water year 2025 (WY2025) Annual Operating Plans published October 2024.

**Table A-1.—Water Year 2025 Hydrologic Operating Plan for the Most Probable Inflow Scenario (906.5 KAF April–July inflows)**

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Seminoe Reservoir (initial content: 554.1 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 29.8 | 28.1 | 24.5 | 22.8 | 24.2 | 54.0 | 114.2 | 235.0 | 311.7 | 91.9 | 33.5 | 18.9 | 988.6 |
| Total inflow | $ft^3/s$ | 485 | 472 | 398 | 371 | 436 | 878 | 1,919 | 3,822 | 5,238 | 1,495 | 545 | 318 | |
| Turbine release | KAF | 32.7 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 59.5 | 159.9 | 154.7 | 110.7 | 68.7 | 38.1 | 783.0 |
| Jet flow Release | 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 | 0.0 |
| Spillway release | 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 | 0.0 |
| Total release | KAF | 32.7 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 59.5 | 159.9 | 154.7 | 110.7 | 68.7 | 38.1 | 783.0 |
| Total release | $ft^3/s$ | 532 | 529 | 530 | 530 | 529 | 530 | 1,000 | 2,601 | 2,600 | 1,800 | 1,117 | 640 | NA |
| Evaporation | KAF | 3.4 | 1.8 | 1.0 | 1.0 | 1.0 | 2.1 | 4.1 | 4.3 | 8.0 | 9.5 | 7.8 | 5.5 | 49.5 |
| End-month content | KAF | 548.5 | 545.8 | 537.4 | 527.1 | 521.5 | 541.6 | 592.5 | 659.9 | 810.0 | 782.3 | 740.0 | 716.0 | NA |
| End-month elevation | ft | 6327.9 | 6327.7 | 6327.0 | 6326.1 | 6325.7 | 6327.3 | 6331.3 | 6336.2 | 6345.9 | 6344.2 | 6341.6 | 6340.0 | NA |
| **Kortes Reservoir (initial content: 4.7 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 32.7 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 59.5 | 159.9 | 154.7 | 110.7 | 68.7 | 38.1 | 783 |
| Total inflow | $ft^3/s$ | 532 | 529 | 530 | 530 | 529 | 530 | 1,000 | 2,601 | 2,600 | 1,800 | 1,117 | 640 | NA |
| Turbine release | KAF | 32.4 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 59.5 | 159.9 | 154.7 | 110.7 | 68.7 | 38.1 | 782.7 |
| Spillway release | KAF | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 |
| Total release | KAF | 32.6 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 59.5 | 159.9 | 154.7 | 110.7 | 68.7 | 38.1 | 782.9 |
| Total release | $ft^3/s$ | 530 | 529 | 530 | 530 | 529 | 530 | 1,000 | 2,601 | 2,600 | 1,800 | 1,117 | 640 | NA |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Min reservoir rels | $ft^3/s$ | 530 | 530 | 530 | 530 | 530 | 530 | 1,000 | 2,600 | 2,600 | 1,800 | 530 | 530 | NA |
| Max reservoir rels | $ft^3/s$ | 535 | 535 | 535 | 535 | 535 | 535 | 1,500 | 2,600 | 2,600 | 2,600 | 1,800 | 875 | NA |
| **Pathfinder Reservoir (initial content: 572.3 KAF)** | | | | | | | | | | | | | | |
| Sweetwater inflow | KAF | 3.3 | 3.5 | 3.5 | 3.7 | 3.8 | 5.1 | 12.4 | 17.9 | 15.9 | 4.7 | 2.1 | 1.2 | 77.1 |
| Kortes-Path gain | KAF | 1.3 | -0.2 | 1.6 | 1.8 | 2.5 | 4.4 | 5.4 | 6.9 | 2.1 | 3 | 5.6 | 3.1 | 37.5 |
| Inflow from Kortes | KAF | 32.6 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 59.5 | 159.9 | 154.7 | 110.7 | 68.7 | 38.1 | 782.9 |
| Total inflow | KAF | 37.2 | 34.8 | 37.7 | 38.1 | 35.7 | 42.1 | 77.3 | 184.7 | 172.7 | 118.4 | 76.4 | 42.4 | 897.5 |
| Total inflow | $ft^3/s$ | 605 | 585 | 613 | 620 | 643 | 685 | 1,299 | 3,004 | 2,902 | 1,926 | 1,243 | 713 | NA |
| Turbine release | KAF | 1.7 | 25.6 | 26.3 | 26.3 | 23.8 | 45 | 61.5 | 121 | 137 | 164.4 | 161.4 | 86.4 | 880.4 |
| Jet flow release | KAF | 4.6 | 4.5 | 4.6 | 4.6 | 4.2 | 4.6 | 4.5 | 4.6 | 4.5 | 4.6 | 4.6 | 4.5 | 54.4 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total release | KAF | 6.3 | 30.1 | 30.9 | 30.9 | 28 | 49.6 | 66 | 125.6 | 141.5 | 169 | 166 | 90.9 | 934.8 |
| Total release | $ft^3/s$ | 102 | 506 | 503 | 503 | 504 | 807 | 1,109 | 2,043 | 2,378 | 2,749 | 2,700 | 1,528 | NA |
| Evaporation | KAF | 4.1 | 2.3 | 1.2 | 1.1 | 1.2 | 2.7 | 4.9 | 6.3 | 9.6 | 10.4 | 8.3 | 5.6 | 57.7 |
| End-month content | KAF | 599.1 | 601.5 | 607.1 | 613.2 | 619.7 | 609.5 | 615.9 | 668.7 | 690.3 | 629.3 | 531.4 | 477.3 | NA |
| End-month elevation | ft | 5827.4 | 5827.6 | 5827.9 | 5828.4 | 5828.8 | 5828.1 | 5828.5 | 5831.9 | 5833.2 | 5829.4 | 5822.5 | 5818.2 | NA |
| Jet flow release | $ft^3/s$ | 75 | 76 | 75 | 75 | 76 | 75 | 76 | 75 | 76 | 75 | 75 | 76 | NA |
| Min release | $ft^3/s$ | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | NA |
| **Alcova Reservoir (initial content: 180.6 KAF)** | | | | | | | | | | | | | | |
| Total Inflow | KAF | 6.3 | 30.1 | 30.9 | 30.9 | 28 | 49.6 | 66 | 125.6 | 141.5 | 169 | 166 | 90.9 | 934.8 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total inflow | $ft^3/s$ | 102 | 506 | 503 | 503 | 504 | 807 | 1,109 | 2,043 | 2,378 | 2,749 | 2,700 | 1,528 | NA |
| Turbine release | KAF | 30.3 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 41.7 | 115.1 | 126.8 | 149.1 | 149.1 | 80.5 | 860.8 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Casper Canal release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.5 | 13.3 | 18.3 | 15.5 | 9.3 | 65.9 |
| Total release | KAF | 30.3 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 41.7 | 124.6 | 140.1 | 167.4 | 164.6 | 89.8 | 926.7 |
| Total release | $ft^3/s$ | 493 | 501 | 499 | 499 | 501 | 800 | 701 | 2,026 | 2,354 | 2,722 | 2,677 | 1,509 | NA |
| Evaporation | KAF | 0.7 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.8 | 1 | 1.4 | 1.6 | 1.4 | 1.1 | 9.3 |
| End-month content | KAF | 155.9 | 155.9 | 155.9 | 155.9 | 155.9 | 155.9 | 179.4 | 179.4 | 179.4 | 179.4 | 179.4 | 179.4 | NA |
| End-month elevation | ft | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5498 | 5498 | 5498 | 5498 | 5498 | 5498 | NA |
| **Gray Reef Reservoir (Initial content: 1.5 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 30.3 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 41.7 | 115.1 | 126.8 | 149.1 | 149.1 | 80.5 | 860.8 |
| Total inflow | $ft^3/s$ | 493 | 501 | 499 | 499 | 501 | 800 | 701 | 1,872 | 2,131 | 2,425 | 2,425 | 1,353 | NA |
| Total release | KAF | 30.7 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 41.7 | 115.1 | 126.7 | 149 | 149 | 80.4 | 860.8 |
| Total release | $ft^3/s$ | 499 | 501 | 499 | 499 | 501 | 800 | 701 | 1,872 | 2,129 | 2,423 | 2,423 | 1,351 | NA |
| Min reservoir rels | $ft^3/s$ | 500 | 500 | 500 | 500 | 500 | 800 | 500 | 450 | 2,100 | 2,400 | 2,400 | 900 | NA |
| Max reservoir rels | $ft^3/s$ | 500 | 500 | 500 | 500 | 500 | 800 | 700 | 2,142 | 3,000 | 3,200 | 2,800 | 1,400 | NA |
| **Glendo Reservoir (Initial content: 95.3 KAF)** | | | | | | | | | | | | | | |
| Alcova-Glendo gain | KAF | 9.2 | 9.4 | 6.9 | 8.6 | 13.4 | 16.1 | 35 | 55.6 | 12.9 | -0.7 | -1.7 | 4.4 | 169.1 |
| Inflow from Gray Reef | KAF | 30.7 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 41.7 | 113.7 | 125.3 | 147.6 | 147.6 | 79 | 853.8 |
| Total inflow | KAF | 39.9 | 39.2 | 37.6 | 39.3 | 41.2 | 65.3 | 76.7 | 170.7 | 139.6 | 148.3 | 147.3 | 84.8 | 1,029.9 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total inflow | $ft^3/s$ | 649 | 659 | 612 | 639 | 742 | 1,062 | 1,289 | 2,776 | 2,346 | 2,412 | 2,396 | 1,425 | NA |
| Turbine release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 36.1 | 91.8 | 110 | 230.1 | 221.4 | 178.3 | 867.7 |
| Low flow release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 9 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49.7 | 58.2 | 0 | 107.9 |
| Total release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 37.6 | 93.3 | 111.5 | 281.3 | 281.1 | 179.8 | 984.6 |
| Total release | $ft^3/s$ | 0 | 0 | 0 | 0 | 0 | 0 | 632 | 1,517 | 1,874 | 4,575 | 4,572 | 3,022 | NA |
| Evaporation | KAF | 1 | 0.7 | 0.7 | 0.7 | 0.8 | 1.6 | 2.9 | 4.5 | 6.7 | 6.9 | 4.7 | 2.4 | 33.6 |
| End-month content | KAF | 134.2 | 172.7 | 209.6 | 248.2 | 288.6 | 352.3 | 388.5 | 460.0 | 480.0 | 338.7 | 198.8 | 100.0 | NA |
| End-month elevation | ft | 4591.6 | 4598.5 | 4604.2 | 4609.5 | 4614.6 | 4621.8 | 4625.5 | 4632.3 | 4634 | 4620.3 | 4602.6 | 4584.1 | NA |
| **Guernsey Reservoir (Initial content: 3.6 KAF)** | | | | | | | | | | | | | | |
| Glendo-Guernsey Gain | KAF | 3 | 1.9 | 1.7 | 1.4 | 1 | 0.8 | 5.4 | 7.7 | 3.7 | 1.7 | -0.5 | 5.9 | 33.7 |
| Inflow from Glendo | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 37.6 | 93.3 | 111.5 | 281.3 | 281.1 | 179.8 | 984.6 |
| Total inflow | KAF | 3 | 1.9 | 1.7 | 1.4 | 1 | 0.8 | 43 | 101 | 115.2 | 283 | 280.6 | 185.7 | 1,018.3 |
| Total inflow | $ft^3/s$ | 49 | 32 | 28 | 23 | 18 | 13 | 723 | 1,643 | 1,936 | 4,603 | 4,564 | 3,121 | NA |
| Turbine release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 24.7 | 53.6 | 51.8 | 53.6 | 53.6 | 55.8 | 293.1 |
| Seepage | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 1.2 | 3 | 3.1 | 2.5 | 0.3 | 12.1 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 45.4 | 59.4 | 225.2 | 223.6 | 155.1 | 708.7 |
| Total release | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 25.1 | 100.2 | 114.2 | 281.9 | 279.7 | 211.2 | 1,013.9 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total release | $ft^3/s$ | 5 | 3 | 5 | 5 | 4 | 5 | 422 | 1,630 | 1,919 | 4,585 | 4,549 | 3,549 | NA |
| Evaporation | KAF | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.5 | 0.8 | 1 | 1.1 | 0.9 | 0.5 | 6 |
| End-month content | KAF | 6.2 | 7.7 | 8.9 | 9.8 | 10.4 | 10.6 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 2.0 | NA |
| End-month elevation | ft | 4396.2 | 4398 | 4399.2 | 4400.1 | 4400.7 | 4400.8 | 4411.9 | 4411.9 | 4411.9 | 4411.9 | 4411.9 | 4388 | NA |
| **North Platte River System of Dams (Initial content: 1412.1 KAF)** | | | | | | | | | | | | | | |
| Physical EOM content | KAF | 1,449.8 | 1,489.5 | 1,524.8 | 1,560.1 | 1,602 | 1,675.8 | 1,810.2 | 2,001.9 | 2,193.6 | 1,963.6 | 1,683.5 | 1,480.6 | |

Table A-2.—Water Year 2025 Ownership Operating Plan for the Most Probable Inflow Scenario (906.5 KAF April–July inflows)

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **North Platte Pathfinder (Initial Ownership: 437.4 KAF)** | | | | | | | | | | | | | | |
| Net accrual | KAF | 31.5 | 29.7 | 28.5 | 27.2 | 29.3 | 60.9 | 126.9 | 236 | 62.6 | 0 | 0 | 0 | 632.6 |
| Evaporation | KAF | 2.9 | 1.7 | 1.1 | 1.1 | 1.2 | 2.6 | 5.1 | 7.2 | 13.5 | 14.5 | 10.9 | 6.1 | 67.9 |
| Deliv from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 131.7 | 235.7 | 173.7 | 541.1 |
| End-month Ownership | KAF | 468.9 | 498.6 | 527.1 | 554.3 | 583.6 | 644.5 | 771.4 | 1,007.4 | 1,070 | 923.8 | 677.2 | 497.4 | |
| **North Platte Guernsey (Initial Ownership: 0 KAF)** | | | | | | | | | | | | | | |
| Net Accrual | KAF | 0 | 0 | 8.3 | 9.7 | 14.2 | 13.4 | 0 | 0 | 0 | 0 | 0 | 0 | 45.6 |
| Evaporation/Seepage | KAF | 0 | 0 | 0.3 | 0.3 | 0.2 | 0.4 | 0.4 | 0.4 | 0.6 | 0.6 | 0 | 0 | 3.2 |
| Deliv from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 43.6 | 0 | 0 | 43.6 |
| End-month Ownership | KAF | 0 | 0 | 8.3 | 18 | 32.2 | 45.6 | 45.2 | 44.8 | 44.2 | 0 | 0 | 0 | |
| **Inland Lakes (Initial Ownership: 0 KAF)** | | | | | | | | | | | | | | |
| Net accrual | KAF | 11.9 | 11.1 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 0 | 46 |
| Evaporation/seepage | KAF | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0.2 | 0 | 0 | 0 | 0 | 1.3 |
| Transfer from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 25.1 | 20.3 | 0 | 0 | 0 | 0 | 45.4 |
| End-month Ownership | KAF | 11.9 | 23 | 22.9 | 22.8 | 22.7 | 22.6 | 20.5 | 0 | 0 | 0 | 0 | 0 | |
| **Kendrick (Initial Ownership: 831.5 KAF)** | | | | | | | | | | | | | | |
| Net Accrual | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 130.7 | 0 | 0 | 0 | 130.7 |
| Evaporation | KAF | 5.5 | 3 | 1.8 | 1.7 | 1.8 | 3.6 | 6.4 | 7.5 | 10.6 | 12.4 | 10.5 | 7.8 | 72.6 |
| Deliv from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.9 | 0 | 19.7 | 16.9 | 10.7 | 58.2 |
| End-month Ownership | KAF | 826 | 823 | 821.2 | 819.5 | 817.7 | 814.1 | 807.7 | 789.3 | 920 | 887.9 | 860.5 | 842 | |
| **Glendo Unit (Initial Ownership: 129.9 KAF)** | | | | | | | | | | | | | | |
| Accrual | KAF | 0 | 0 | 0 | 0 | 0 | 3.1 | 17.2 | 0 | 0 | 0 | 0 | 0 | 20.3 |
| Evaporation | KAF | 0.8 | 0.5 | 0.3 | 0.3 | 0.3 | 0.6 | 1 | 1.4 | 1.9 | 1.9 | 1.6 | 1.1 | 11.7 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Deliv from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 5 | 4 | 15 |
| End-month Ownership | KAF | 129.1 | 128.6 | 128.3 | 128 | 127.7 | 130.2 | 146.4 | 145 | 143.1 | 135.2 | 128.6 | 123.5 | |
| **Re-regulation (Initial Ownership: 0 KAF)** | | | | | | | | | | | | | | |
| Accrual | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Evaporation/seepage | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| End-month total | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| **City of Cheyenne (Initial Ownership: 3.9 KAF)** | | | | | | | | | | | | | | |
| Inflow | KAF | 0.7 | 2.5 | 0.7 | 0.5 | 0.6 | 0.8 | 0.3 | 0.6 | 2.7 | 1.1 | 0.7 | 0.7 | 11.9 |
| Evaporation | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.6 |
| Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1.6 | 0.5 | 0 | 0 | 6.1 |
| Ownership | KAF | 4.6 | 7.1 | 7.8 | 8.3 | 8.9 | 9.7 | 9.9 | 6.4 | 7.4 | 7.9 | 8.5 | 9.1 | |
| **Pacificorp (Initial Ownership: 2 KAF)** | | | | | | | | | | | | | | |
| Inflow | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Evaporation | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ownership | KAF | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| **Other (Initial Ownership: 7.4 KAF)** | | | | | | | | | | | | | | |
| Inflow | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Evaporation | KAF | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.8 |
| Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ownership | KAF | 7.3 | 7.2 | 7.2 | 7.2 | 7.2 | 7.1 | 7.1 | 7 | 6.9 | 6.8 | 6.7 | 6.6 | NA |
| **North Platte River System (Initial content: 1412.1 KAF)** | | | | | | | | | | | | | | |
| Ownership EOM content | KAF | 1,449.8 | 1,489.5 | 1,524.8 | 1,560.1 | 1,602 | 1,675.8 | 1,810.2 | 2,001.9 | 2,193.6 | 1,963.6 | 1,683.5 | 1,480.6 | NA |

Table A-3.—Water Year 2025 Irrigation Operating Plan for the Most Probable Inflow Scenario (906.5 KAF April–July inflows)

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Kendrick (Casper Canal)** | | | | | | | | | | | | | | |
| Requested | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.5 | 13.3 | 18.3 | 15.5 | 9.3 | 65.9 |
| Delivered | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.5 | 13.3 | 18.3 | 15.5 | 9.3 | 65.9 |
| **Kendrick (River)** | | | | | | | | | | | | | | |
| Requested | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 7 |
| Delivered | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 7 |
| **Guernsey Deliveries** | | | | | | | | | | | | | | |
| North Platte req | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 79.9 | 112.2 | 275.9 | 274.7 | 207.2 | 949.9 |
| Glendo req | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 5 | 4 | 17 |
| Inland Lakes req | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 25.1 | 20.3 | 0 | 0 | 0 | 0 | 45.4 |
| Total requirement | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 25.1 | 100.2 | 114.2 | 281.9 | 279.7 | 211.2 | 1,012.3 |
| Seepage | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 1.2 | 3 | 3.1 | 2.5 | 0.3 | 12.1 |
| Actual release | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 25.1 | 100.2 | 114.2 | 281.9 | 279.7 | 211.2 | 1,013.9 |

Table A-4.—Water Year 2025 Power Generation Operating Plan for the Most Probable Inflow Scenario (906.5 KAF April–July inflows)

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Seminoe Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 32.7 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 59.5 | 159.9 | 154.7 | 110.7 | 68.7 | 38.1 | 783 |
| Bypass | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum generation | GWh | 30.715 | 29.646 | 30.527 | 30.363 | 27.288 | 30.35 | 30.009 | 32.109 | 32.398 | 33.46 | 33.488 | 32.402 | 372.755 |
| Actual generation | GWh | 5.226 | 5.021 | 5.178 | 5.147 | 4.619 | 5.145 | 9.543 | 26.275 | 26.323 | 19.262 | 11.816 | 6.477 | 130.032 |
| Percent max generation | | 17 | 17 | 17 | 17 | 17 | 17 | 32 | 82 | 81 | 58 | 35 | 20 | 35 |
| Average kwh/AF | | 160 | 159 | 159 | 158 | 157 | 158 | 160 | 164 | 170 | 174 | 172 | 170 | 166 |
| **Kortes Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 32.4 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 59.5 | 159.9 | 154.7 | 110.7 | 68.7 | 38.1 | 782.7 |
| Bypass | KAF | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 |
| Maximum generation | GWh | 5.573 | 26.712 | 27.606 | 27.606 | 24.94 | 27.606 | 26.712 | 27.606 | 26.712 | 27.606 | 27.606 | 26.712 | 302.997 |
| Actual generation | GWh | 5.573 | 5.418 | 5.607 | 5.607 | 5.057 | 5.607 | 10.234 | 27.503 | 26.608 | 19.04 | 11.816 | 6.553 | 134.623 |
| Percent max generation | | 100 | 20 | 20 | 20 | 20 | 20 | 38 | 100 | 100 | 69 | 43 | 25 | 44 |
| Average kwh/AF | | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| **Fremont Canyon Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 1.7 | 25.6 | 26.3 | 26.3 | 23.8 | 45 | 61.5 | 121 | 137 | 164.4 | 161.4 | 86.4 | 880.4 |
| Bypass | KAF | 4.6 | 4.5 | 4.6 | 4.6 | 4.2 | 4.6 | 4.5 | 4.6 | 4.5 | 4.6 | 4.6 | 4.5 | 54.4 |
| Maximum generation | GWh | 45.065 | 43.766 | 45.285 | 45.354 | 41.023 | 45.407 | 43.908 | 45.735 | 44.593 | 45.914 | 45.002 | 42.668 | 533.72 |
| Actual generation | GWh | 0.453 | 6.849 | 7.043 | 7.054 | 6.394 | 12.083 | 16.506 | 32.726 | 37.343 | 44.638 | 42.953 | 22.534 | 236.576 |
| Percent max generation | | 1 | 16 | 16 | 16 | 16 | 27 | 38 | 72 | 84 | 97 | 95 | 53 | 44 |
| Average kwh/AF | | 266 | 268 | 268 | 268 | 269 | 269 | 268 | 270 | 273 | 272 | 266 | 261 | 269 |
| **Alcova Power Plant** | | | | | | | | | | | | | | |
| Turbine release | KAF | 30.3 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 41.7 | 115.1 | 126.8 | 149.1 | 149.1 | 80.5 | 860.8 |
| Bypass | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum generation | GWh | 27.179 | 26.588 | 27.472 | 27.472 | 24.82 | 27.472 | 26.275 | 27.552 | 26.656 | 27.552 | 27.552 | 26.656 | 323.246 |
| Actual generation | GWh | 4.184 | 4.053 | 4.175 | 4.175 | 3.781 | 6.691 | 5.755 | 16.114 | 17.752 | 20.874 | 20.874 | 11.27 | 119.698 |
| Percent max generation | | 15 | 15 | 15 | 15 | 15 | 24 | 22 | 58 | 67 | 76 | 76 | 42 | 37 |
| Average kwh/AF | | 138 | 136 | 136 | 136 | 136 | 136 | 138 | 140 | 140 | 140 | 140 | 140 | 139 |
| **Glendo Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 36.1 | 91.8 | 110 | 230.1 | 221.4 | 178.3 | 867.7 |
| Bypass | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 1.5 | 1.5 | 51.2 | 59.7 | 1.5 | 116.9 |
| Maximum generation | GWh | 0 | 0 | 0 | 0 | 0 | 0 | 23.093 | 25.397 | 25.877 | 24.967 | 20.864 | 14.912 | 135.11 |
| Actual generation | GWh | 0 | 0 | 0 | 0 | 0 | 0 | 3.808 | 10.067 | 12.452 | 24.967 | 20.864 | 12.919 | 85.077 |
| Percent max generation | | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 40 | 48 | 100 | 100 | 87 | 63 |
| Average kwh/AF | | 0 | 0 | 0 | 0 | 0 | 0 | 105 | 110 | 113 | 109 | 94 | 72 | 98 |
| **Guernsey Power Plant** | | | | | | | | | | | | | | |
| Turbine release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 24.7 | 53.6 | 51.8 | 53.6 | 53.6 | 55.8 | 293.1 |
| Bypass | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 46.6 | 62.4 | 228.3 | 226.1 | 155.4 | 720.8 |
| Maximum generation | GWh | 0 | 0 | 0 | 0 | 0 | 0 | 3.539 | 3.795 | 3.667 | 3.795 | 3.795 | 3.404 | 21.995 |
| Actual generation | GWh | 0 | 0 | 0 | 0 | 0 | 0 | 1.613 | 3.795 | 3.667 | 3.795 | 3.795 | 3.404 | 20.069 |
| Percent max generation | | 0 | 0 | 0 | 0 | 0 | 0 | 46 | 100 | 100 | 100 | 100 | 100 | 91 |
| Average kwh/AF | | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 71 | 71 | 71 | 71 | 61 | 68 |

**Table A-5—Water Year 2025 Hydrologic Operating Plan for the Minimum Probable Inflow Scenario (389.4 KAF April–July inflows)**

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Seminoe Reservoir (initial content: 554.1 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 23.2 | 23 | 21.3 | 19 | 21 | 43.9 | 71.3 | 118.7 | 117.2 | 32.5 | 19.5 | 13.3 | 523.9 |
| Total inflow | $ft^3/s$ | 377 | 387 | 346 | 309 | 378 | 714 | 1,198 | 1,930 | 1,970 | 529 | 317 | 224 | NA |
| Turbine release | KAF | 32.7 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 71.4 | 110.7 | 118.9 | 81.7 | 32.6 | 31.6 | 638.3 |
| Jet flow release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total release | KAF | 32.7 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 71.4 | 110.7 | 118.9 | 81.7 | 32.6 | 31.6 | 638.3 |
| Total release | $ft^3/s$ | 532 | 529 | 530 | 530 | 529 | 530 | 1,200 | 1,800 | 1,998 | 1,329 | 530 | 531 | NA |
| Evaporation | KAF | 3.4 | 1.8 | 1 | 1 | 1 | 2 | 3.8 | 3.7 | 5.9 | 6.2 | 5.1 | 3.6 | 38.5 |
| End-month content | KAF | 541.9 | 534.1 | 522.5 | 508.4 | 499.6 | 509.7 | 506.1 | 507 | 500.5 | 445.7 | 428.2 | 407.0 | NA |
| End-month elevation | ft | 6327.3 | 6326.7 | 6325.7 | 6324.5 | 6323.8 | 6324.6 | 6324.3 | 6324.4 | 6323.9 | 6318.9 | 6317.2 | 6315.1 | NA |
| **Kortes Reservoir (initial content: 4.7 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 32.7 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 71.4 | 110.7 | 118.9 | 81.7 | 32.6 | 31.6 | 638.3 |
| Total inflow | $ft^3/s$ | 532 | 529 | 530 | 530 | 529 | 530 | 1,200 | 1,800 | 1,998 | 1,329 | 530 | 531 | NA |
| Turbine release | KAF | 32.6 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 71.4 | 110.7 | 118.9 | 81.7 | 32.6 | 31.6 | 638.2 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total release | KAF | 32.6 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 71.4 | 110.7 | 118.9 | 81.7 | 32.6 | 31.6 | 638.2 |
| Total release | $ft^3/s$ | 530 | 529 | 530 | 530 | 529 | 530 | 1,200 | 1,800 | 1,998 | 1,329 | 530 | 531 | NA |
| Min reservoir rels | $ft^3/s$ | 530 | 530 | 530 | 530 | 530 | 530 | 1,000 | 1,600 | 1,800 | 1,328 | 530 | 530 | NA |
| Max reservoir rels | $ft^3/s$ | 530 | 530 | 530 | 530 | 530 | 530 | 1,200 | 1,800 | 2,000 | 1,600 | 1,000 | 560 | NA |
| **Pathfinder Reservoir (initial content: 572.3 KAF)** | | | | | | | | | | | | | | |
| Sweetwater inflow | KAF | 1.9 | 2.3 | 2.2 | 2 | 1.9 | 3.5 | 8.8 | 6 | 3.9 | 1.4 | 0.9 | 0.7 | 35.5 |
| Kortes-Path Gain | KAF | -1.3 | -1.5 | -1.7 | 0.2 | 1.5 | 3.3 | 2.7 | -1.6 | -6.4 | -4.9 | -2.7 | -0.3 | -12.7 |
| Inflow from Kortes | KAF | 32.6 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 71.4 | 110.7 | 118.9 | 81.7 | 32.6 | 31.6 | 638.2 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total inflow | KAF | 33.2 | 32.3 | 33.1 | 34.8 | 32.8 | 39.4 | 82.9 | 115.1 | 116.4 | 78.2 | 30.8 | 32 | 661 |
| Total inflow | $ft^3/s$ | 540 | 543 | 538 | 566 | 591 | 641 | 1,393 | 1,872 | 1,956 | 1,272 | 501 | 538 | NA |
| Turbine release | KAF | 1.7 | 25.6 | 26.3 | 26.3 | 23.8 | 45 | 116.8 | 154.9 | 159.1 | 139.8 | 87.6 | 56.4 | 863.3 |
| Jet flow release | KAF | 4.6 | 4.5 | 4.6 | 4.6 | 4.2 | 4.6 | 4.5 | 4.6 | 4.5 | 4.6 | 4.6 | 4.5 | 54.4 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total release | KAF | 6.3 | 30.1 | 30.9 | 30.9 | 28 | 49.6 | 121.3 | 159.5 | 163.6 | 144.4 | 92.2 | 60.9 | 917.7 |
| Total release | $ft^3/s$ | 102 | 506 | 503 | 503 | 504 | 807 | 2,039 | 2,594 | 2,749 | 2,348 | 1,499 | 1,023 | NA |
| Evaporation | KAF | 4.1 | 2.3 | 1.2 | 1.3 | 1.2 | 2.5 | 4.6 | 5.1 | 6.9 | 6.8 | 5.1 | 3.5 | 44.6 |
| End-month content | KAF | 595.1 | 595 | 596 | 598.6 | 602.2 | 589.5 | 546.5 | 497 | 442.9 | 369.9 | 303.4 | 271 | NA |
| End-month elevation | ft | 5827.1 | 5827.1 | 5827.2 | 5827.4 | 5827.6 | 5826.7 | 5823.7 | 5819.8 | 5815.3 | 5808.2 | 5800.8 | 5796.7 | NA |
| Jet flow release | $ft^3/s$ | 75 | 76 | 75 | 75 | 76 | 75 | 76 | 75 | 76 | 75 | 75 | 76 | NA |
| Min Release | $ft^3/s$ | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | NA |
| **Alcova Reservoir (initial content: 180.6 KAF)** | | | | | | | | | | | | | | |
| Total Inflow | KAF | 6.3 | 30.1 | 30.9 | 30.9 | 28 | 49.6 | 121.3 | 159.5 | 163.6 | 144.4 | 92.2 | 60.9 | 917.7 |
| Total Inflow | $ft^3/s$ | 102 | 506 | 503 | 503 | 504 | 807 | 2,039 | 2,594 | 2,749 | 2,348 | 1,499 | 1,023 | NA |
| Turbine Release | KAF | 30.3 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 97 | 149 | 148.9 | 124.5 | 75.3 | 50.5 | 843.7 |
| Spillway Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Casper Canal Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.5 | 13.3 | 18.3 | 15.5 | 9.3 | 65.9 |
| Total Release | KAF | 30.3 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 97 | 158.5 | 162.2 | 142.8 | 90.8 | 59.8 | 909.6 |
| Total Release | $ft^3/s$ | 493 | 501 | 499 | 499 | 501 | 800 | 1,630 | 2,578 | 2,726 | 2,322 | 1,477 | 1,005 | NA |
| Evaporation | KAF | 0.7 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.8 | 1 | 1.4 | 1.6 | 1.4 | 1.1 | 9.3 |
| End-month content | KAF | 155.9 | 155.9 | 155.9 | 155.9 | 155.9 | 155.9 | 179.4 | 179.4 | 179.4 | 179.4 | 179.4 | 179.4 | NA |
| End-month elevation | ft | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5498 | 5498 | 5498 | 5498 | 5498 | 5498 | NA |
| **Gray Reef Reservoir (initial content: 1.5 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 30.3 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 97 | 149 | 148.9 | 124.5 | 75.3 | 50.5 | 843.7 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total inflow | $ft^3/s$ | 493 | 501 | 499 | 499 | 501 | 800 | 1,630 | 2,423 | 2,502 | 2,025 | 1,225 | 849 | NA |
| Total release | KAF | 30.7 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 97 | 149 | 148.8 | 124.4 | 75.2 | 50.4 | 843.7 |
| Total release | $ft^3/s$ | 499 | 501 | 499 | 499 | 501 | 800 | 1,630 | 2,423 | 2,501 | 2,023 | 1,223 | 847 | NA |
| Min reservoir rels | $ft^3/s$ | 500 | 500 | 500 | 500 | 500 | 800 | 1,630 | 2,400 | 2,400 | 2,000 | 1,200 | 700 | NA |
| Max reservoir rels | $ft^3/s$ | 500 | 500 | 500 | 500 | 500 | 800 | 1,630 | 2,600 | 2,600 | 2,600 | 2,600 | 1,200 | NA |
| **Glendo Reservoir (Initial content: 95.3 KAF)** | | | | | | | | | | | | | | |
| Alcova-Glendo gain | KAF | 8.7 | 10.4 | 7.2 | 7.8 | 9 | 12.4 | 13.6 | 16.9 | 0.5 | -1.4 | -1 | 5.8 | 89.9 |
| Inflow from Gray Reef | KAF | 30.7 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 97 | 147.6 | 147.4 | 123 | 73.8 | 49 | 836.7 |
| Total inflow | KAF | 39.4 | 40.2 | 37.9 | 38.5 | 36.8 | 61.6 | 110.6 | 165.9 | 149.3 | 123 | 74.2 | 56.2 | 933.6 |
| Total inflow | $ft^3/s$ | 641 | 676 | 616 | 626 | 663 | 1,002 | 1,859 | 2,698 | 2,509 | 2,000 | 1,207 | 944 | NA |
| Turbine release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 48.4 | 82.7 | 137.4 | 231 | 221.4 | 139.9 | 860.8 |
| Low flow release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 9 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6.5 | 12 | 0 | 18.5 |
| Total release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 49.9 | 84.2 | 138.9 | 239 | 234.9 | 141.4 | 888.3 |
| Total release | $ft^3/s$ | 0 | 0 | 0 | 0 | 0 | 0 | 839 | 1,369 | 2,334 | 3,887 | 3,820 | 2,376 | NA |
| Evaporation | KAF | 1 | 0.7 | 0.7 | 0.7 | 0.8 | 1.6 | 2.9 | 4.5 | 6.8 | 6.9 | 4.7 | 2.3 | 33.6 |
| End-month content | KAF | 133.7 | 173.2 | 210.4 | 248.2 | 284.2 | 344.2 | 402.0 | 477.8 | 480.0 | 355.7 | 188.9 | 100.0 | NA |
| End-month elevation | ft | 4591.5 | 4598.6 | 4604.4 | 4609.5 | 4614.1 | 4620.9 | 4626.9 | 4633.8 | 4634 | 4622.2 | 4601.1 | 4584.1 | NA |
| **Guernsey Reservoir (initial content: 3.6 KAF)** | | | | | | | | | | | | | | |
| Glendo-Guerns Gain | KAF | 2.2 | 1.5 | 1.2 | 1 | 1.2 | 1.4 | 0.4 | 1.9 | -1.5 | -2.5 | -2.4 | 2 | 6.4 |
| Inflow from Glendo | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 49.9 | 84.2 | 138.9 | 239 | 234.9 | 141.4 | 888.3 |
| Total inflow | KAF | 2.2 | 1.5 | 1.2 | 1 | 1.2 | 1.4 | 50.3 | 86.1 | 137.4 | 236.5 | 232.5 | 143.4 | 894.7 |
| Total inflow | $ft^3/s$ | 36 | 25 | 20 | 16 | 22 | 23 | 845 | 1,400 | 2,309 | 3,846 | 3,781 | 2,410 | NA |
| Turbine release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 30.7 | 53.6 | 51.8 | 53.6 | 53.6 | 55.8 | 299.1 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seepage | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 1.2 | 3 | 3.1 | 2.5 | 0.3 | 12.1 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 30.5 | 81.6 | 178.7 | 175.5 | 112.8 | 579.1 |
| Total release | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 31.1 | 85.3 | 136.4 | 235.4 | 231.6 | 168.9 | 890.3 |
| Total release | $ft^3/s$ | 5 | 3 | 5 | 5 | 4 | 5 | 523 | 1,387 | 2,292 | 3,828 | 3,767 | 2,838 | NA |
| Evaporation | KAF | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.5 | 0.8 | 1 | 1.1 | 0.9 | 0.5 | 6 |
| End-month content | KAF | 5.4 | 6.5 | 7.2 | 7.7 | 8.5 | 9.3 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 2.0 | NA |
| End-month elevation | ft | 4395.1 | 4396.6 | 4397.4 | 4398 | 4398.8 | 4399.6 | 4411.9 | 4411.9 | 4411.9 | 4411.9 | 4411.9 | 4388 | NA |
| **North Platte River System of Dams (Initial content: 1412.1 KAF)** | | | | | | | | | | | | | | |
| Physical EOM content | KAF | 1,437.9 | 1,470.6 | 1,497.9 | 1,524.7 | 1,556.3 | 1,614.5 | 1,667.9 | 1,695.1 | 1,636.7 | 1,384.6 | 1,133.8 | 965.3 | NA |

Table A-6.—Water Year 2025 Ownership Operating Plan for the Minimum Probable Inflow Scenario (389.4 KAF April—July inflows)

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **North Platte Pathfinder (Initial Ownership: 437.4 KAF)** | | | | | | | | | | | | | | |
| Net accrual | KAF | 20.9 | 22.1 | 20.7 | 20.1 | 23.2 | 48.3 | 78.2 | 55.1 | 0 | 0 | 0 | 0 | 288.6 |
| Evaporation | KAF | 2.9 | 1.7 | 1.1 | 1.1 | 1.2 | 2.4 | 4.6 | 6.1 | 9.5 | 9.9 | 6.5 | 3 | 50 |
| Deliver from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 186.5 | 212.3 | 143.4 | 542.2 |
| End-month Ownership | KAF | 458.3 | 480.4 | 501.1 | 521.2 | 544.4 | 592.7 | 670.9 | 726 | 716.5 | 520.1 | 301.3 | 154.9 | NA |
| **North Platte Guernsey (Initial Ownership: 0 KAF)** | | | | | | | | | | | | | | |
| Net accrual | KAF | 0 | 0 | 8.1 | 8.5 | 10 | 13.4 | 0 | 0 | 0 | 0 | 0 | 0 | 40 |
| Evaporation/seepage | KAF | 0 | 0 | 0.3 | 0.3 | 0.2 | 0.4 | 0.3 | 0.4 | 0.5 | 0.3 | 0 | 0 | 2.7 |
| Deliv from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20.7 | 17.8 | 0 | 0 | 38.5 |
| End-month Ownership | KAF | 0 | 0 | 8.1 | 16.6 | 26.6 | 40 | 39.7 | 39.3 | 18.1 | 0 | 0 | 0 | NA |
| **Inland Lakes (Initial Ownership: 0 KAF)** | | | | | | | | | | | | | | |
| Net accrual | KAF | 10.6 | 11.7 | 0 | 0 | 0 | 0 | 13.8 | 0 | 0 | 0 | 0 | 0 | 36.1 |
| Evaporation/seepage | KAF | 0.3 | 0.2 | 0.1 | 0.1 | 0.1 | 0.1 | 0.2 | 0 | 0 | 0 | 0 | 0 | 1.1 |
| Transfer from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 31.1 | 4.6 | 0 | 0 | 0 | 0 | 35.7 |
| End-month Ownership | KAF | 10.6 | 22.3 | 22.2 | 22.1 | 22 | 21.9 | 4.6 | 0 | 0 | 0 | 0 | 0 | NA |
| **Kendrick (Initial Ownership: 831.5 KAF)** | | | | | | | | | | | | | | |
| Net accrual | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Evaporation | KAF | 5.5 | 3 | 1.8 | 1.9 | 1.8 | 3.6 | 6.4 | 7.3 | 10.3 | 10.6 | 9.2 | 6.9 | 68.3 |
| Deliver from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10.9 | 14.7 | 19.7 | 16.9 | 10.7 | 72.9 |
| End-month Ownership | KAF | 826 | 823 | 821.2 | 819.3 | 817.5 | 813.9 | 807.5 | 789.3 | 764.3 | 734 | 707.9 | 690.3 | NA |
| **Glendo Unit (Initial Ownership: 129.9 KAF)** | | | | | | | | | | | | | | |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accrual | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Evaporation | KAF | 0.8 | 0.5 | 0.3 | 0.3 | 0.3 | 0.5 | 1 | 1.1 | 1.6 | 1.7 | 1.4 | 1 | 10.5 |
| Deliver from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 5 | 4 | 17 |
| End-month Ownership | KAF | 129.1 | 128.6 | 128.3 | 128 | 127.7 | 127.2 | 126.2 | 125.1 | 121.5 | 113.8 | 107.4 | 102.4 | NA |
| **Re-regulation (Initial Ownership: 0 KAF)** | | | | | | | | | | | | | | |
| Accrual | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Evaporation/seepage | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| End-month total | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| **City of Cheyenne (Initial Ownership: 3.9 KAF)** | | | | | | | | | | | | | | |
| Inflow | KAF | 0.7 | 2.5 | 0.7 | 0.5 | 0.6 | 0.8 | 0.3 | 0.6 | 2.7 | 1.1 | 0.7 | 0.7 | 11.9 |
| Evaporation | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.6 |
| Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1.6 | 0.5 | 0 | 0 | 6.1 |
| Ownership | KAF | 4.6 | 7.1 | 7.8 | 8.3 | 8.9 | 9.7 | 9.9 | 6.4 | 7.4 | 7.9 | 8.5 | 9.1 | NA |
| **Pacificorp (Initial Ownership: 2 KAF)** | | | | | | | | | | | | | | |
| Inflow | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Evaporation | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ownership | KAF | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | NA |
| **Other (Initial Ownership: 7.4 KAF)** | | | | | | | | | | | | | | |
| Inflow | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Evaporation | KAF | 0.1 | 0.1 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.8 |
| Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ownership | KAF | 7.3 | 7.2 | 7.2 | 7.2 | 7.2 | 7.1 | 7.1 | 7 | 6.9 | 6.8 | 6.7 | 6.6 | NA |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **North Platte River System (initial content: 1412.1 KAF)** | | | | | | | | | | | | | | |
| Ownership EOM content | KAF | 1,437.9 | 1,470.6 | 1,497.9 | 1,524.7 | 1,556.3 | 1,614.5 | 1,667.9 | 1,695.1 | 1,636.7 | 1,384.6 | 1,133.8 | 965.3 | NA |

**Table A-7.—Water Year 2025 Irrigation Operating Plan for the Minimum Probable Inflow Scenario (389.4 KAF April–July inflows)**

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Kendrick (Casper Canal)** | | | | | | | | | | | | | | |
| Requested | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.5 | 13.3 | 18.3 | 15.5 | 9.3 | 65.9 |
| Delivered | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.5 | 13.3 | 18.3 | 15.5 | 9.3 | 65.9 |
| **Kendrick (River)** | | | | | | | | | | | | | | |
| Requested | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 7 |
| Delivered | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 7 |
| **Guernsey Deliveries** | | | | | | | | | | | | | | |
| North Platte req | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 80.7 | 134.4 | 229.4 | 226.6 | 164.9 | 836 |
| Glendo req | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 5 | 4 | 17 |
| Inland Lakes Req | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 31.1 | 4.6 | 0 | 0 | 0 | 0 | 35.7 |
| Total requirement | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 31.1 | 85.3 | 136.4 | 235.4 | 231.6 | 168.9 | 888.7 |
| Seepage | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 1.2 | 3 | 3.1 | 2.5 | 0.3 | 12.1 |
| Actual release | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 31.1 | 85.3 | 136.4 | 235.4 | 231.6 | 168.9 | 890.3 |

Table A-8.—Water Year 2025 Power Generation Operating Plan for the Minimum Probable Inflow Scenario (389.4 KAF April–July inflows)

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Seminoe Power Plant** | | | | | | | | | | | | | | |
| Turbine release | KAF | 32.7 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 71.4 | 110.7 | 118.9 | 81.7 | 32.6 | 31.6 | 638.3 |
| Bypass | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum generation | GWh | 30.651 | 29.475 | 30.287 | 30.05 | 26.95 | 29.849 | 28.942 | 29.87 | 28.865 | 29.257 | 28.587 | 27.311 | 350.094 |
| Actual generation | GWh | 5.215 | 4.992 | 5.134 | 5.118 | 4.588 | 5.089 | 11.17 | 17.303 | 18.551 | 12.495 | 4.9 | 4.688 | 99.243 |
| Percent max generation | | 17 | 17 | 17 | 17 | 17 | 17 | 39 | 58 | 64 | 43 | 17 | 17 | 28 |
| Average kwh/AF | | 159 | 158 | 157 | 157 | 156 | 156 | 156 | 156 | 156 | 153 | 150 | 148 | 155 |
| **Kortes Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 32.6 | 31.5 | 32.6 | 32.6 | 29.4 | 32.6 | 71.4 | 110.7 | 118.9 | 81.7 | 32.6 | 31.6 | 638.2 |
| Bypass | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Maximum generation | GWh | 28.346 | 26.712 | 27.606 | 27.606 | 24.94 | 27.606 | 26.712 | 27.606 | 26.712 | 27.606 | 27.606 | 26.712 | 325.77 |
| Actual generation | GWh | 5.607 | 5.418 | 5.607 | 5.607 | 5.057 | 5.607 | 12.281 | 19.04 | 20.451 | 14.052 | 5.607 | 5.435 | 109.769 |
| Percent max generation | | 20 | 20 | 20 | 20 | 20 | 20 | 46 | 69 | 77 | 51 | 20 | 20 | 34 |
| Average kwh/AF | | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| **Fremont Canyon Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 1.7 | 25.6 | 26.3 | 26.3 | 23.8 | 45 | 116.8 | 154.9 | 159.1 | 139.8 | 87.6 | 56.4 | 863.3 |
| Bypass | KAF | 4.6 | 4.5 | 4.6 | 4.6 | 4.2 | 4.6 | 4.5 | 4.6 | 4.5 | 4.6 | 4.6 | 4.5 | 54.4 |
| Maximum generation | GWh | 45.041 | 43.706 | 45.181 | 45.202 | 40.852 | 45.185 | 43.397 | 44.308 | 42.274 | 42.869 | 41.88 | 39.709 | 519.604 |
| Actual generation | GWh | 0.453 | 6.839 | 7.027 | 7.03 | 6.367 | 12.024 | 30.982 | 40.587 | 41.111 | 35.441 | 21.695 | 13.689 | 223.245 |
| Percent max generation | | 1 | 16 | 16 | 16 | 16 | 27 | 71 | 92 | 97 | 83 | 52 | 34 | 43 |
| Average kwh/AF | | 266 | 267 | 267 | 267 | 268 | 267 | 265 | 262 | 258 | 254 | 248 | 243 | 259 |
| **Alcova Power Plant** | | | | | | | | | | | | | | |
| Turbine release | KAF | 30.3 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 97 | 149 | 148.9 | 124.5 | 75.3 | 50.5 | 843.7 |
| Bypass | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum generation | GWh | 27.179 | 26.588 | 27.472 | 27.472 | 24.82 | 27.472 | 26.275 | 27.552 | 26.656 | 27.552 | 27.552 | 26.656 | 323.246 |
| Actual generation | GWh | 4.184 | 4.053 | 4.175 | 4.175 | 3.781 | 6.691 | 13.386 | 20.86 | 20.846 | 17.43 | 10.542 | 7.07 | 117.193 |
| Percent max generation | | 15 | 15 | 15 | 15 | 15 | 24 | 51 | 76 | 78 | 63 | 38 | 27 | 36 |
| Average kwh/AF | | 138 | 136 | 136 | 136 | 136 | 136 | 138 | 140 | 140 | 140 | 140 | 140 | 139 |
| **Glendo Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 48.4 | 82.7 | 137.4 | 231 | 221.4 | 139.9 | 860.8 |
| Bypass | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 1.5 | 1.5 | 8 | 13.5 | 1.5 | 27.5 |
| Maximum generation | GWh | 0 | 0 | 0 | 0 | 0 | 0 | 23.16 | 25.855 | 26.136 | 25.217 | 20.973 | 14.639 | 135.98 |
| Actual generation | GWh | 0 | 0 | 0 | 0 | 0 | 0 | 5.116 | 9.169 | 15.648 | 25.217 | 20.973 | 9.985 | 86.108 |
| Percent max generation | | 0 | 0 | 0 | 0 | 0 | 0 | 22 | 35 | 60 | 100 | 100 | 68 | 63 |
| Average kwh/AF | | 0 | 0 | 0 | 0 | 0 | 0 | 106 | 111 | 114 | 109 | 95 | 71 | 100 |
| **Guernsey Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 30.7 | 53.6 | 51.8 | 53.6 | 53.6 | 55.8 | 299.1 |
| Bypass | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 31.7 | 84.6 | 181.8 | 178 | 113.1 | 591.2 |
| Maximum generation | GWh | 0 | 0 | 0 | 0 | 0 | 0 | 3.517 | 3.795 | 3.667 | 3.795 | 3.795 | 3.404 | 21.973 |
| Actual generation | GWh | 0 | 0 | 0 | 0 | 0 | 0 | 1.985 | 3.795 | 3.667 | 3.795 | 3.795 | 3.404 | 20.441 |
| Percent max generation | | 0 | 0 | 0 | 0 | 0 | 0 | 56 | 100 | 100 | 100 | 100 | 100 | 93 |
| Average kwh/AF | | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 71 | 71 | 71 | 71 | 61 | 68 |

**Table A-9.—Water Year 2025 Hydrologic Operating Plan for the Maximum Probable Inflow Scenario (1785.4 KAF April–July inflows)**

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Seminoe Reservoir (Initial content: 554.1 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 36.4 | 33.6 | 27.9 | 26.3 | 28.6 | 59.8 | 162.7 | 393.6 | 570.4 | 212.3 | 59.8 | 35.5 | 1,646.9 |
| Total inflow | $ft^3/s$ | 592 | 565 | 454 | 428 | 515 | 973 | 2,734 | 6,401 | 9,586 | 3,453 | 973 | 597 | NA |
| Turbine release | KAF | 32.6 | 31.5 | 32.5 | 32.5 | 29.4 | 123 | 178.5 | 192.2 | 188.4 | 184.6 | 77.4 | 34.1 | 1,136.7 |
| Jet flow release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29.2 | 96.4 | 36.8 | 0 | 0 | 162.4 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total release | KAF | 32.6 | 31.5 | 32.5 | 32.5 | 29.4 | 123 | 178.5 | 221.4 | 284.8 | 221.4 | 77.4 | 34.1 | 1,299.1 |
| Total release | $ft^3/s$ | 530 | 529 | 529 | 529 | 529 | 2,000 | 3,000 | 3,601 | 4,786 | 3,601 | 1,259 | 573 | NA |
| Evaporation | KAF | 3.4 | 1.8 | 1 | 1 | 1 | 2 | 3.5 | 3.8 | 8.3 | 10.4 | 8.8 | 6.3 | 51.3 |
| End-month content | KAF | 555.2 | 558 | 553.1 | 546.4 | 545.2 | 480.8 | 461.8 | 626.8 | 905.2 | 886.3 | 860.6 | 856.4 | NA |
| End-month elevation | ft | 6,328.4 | 6,328.6 | 6,328.2 | 6,327.7 | 6,327.6 | 6,322.1 | 6,320.4 | 6,333.9 | 6,351.2 | 6,350.2 | 6,348.8 | 6,348.5 | NA |
| **Kortes Reservoir (Initial content: 4.7 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 32.6 | 31.5 | 32.5 | 32.5 | 29.4 | 123 | 178.5 | 221.4 | 284.8 | 221.4 | 77.4 | 34.1 | 1,299.1 |
| Total inflow | $ft^3/s$ | 530 | 529 | 529 | 529 | 529 | 2,000 | 3,000 | 3,601 | 4,786 | 3,601 | 1,259 | 573 | NA |
| Turbine release | KAF | 32.5 | 31.5 | 32.5 | 32.5 | 29.4 | 123 | 155.3 | 160.5 | 155.3 | 160.5 | 77.4 | 34.1 | 1,024.5 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 23.2 | 60.9 | 129.5 | 60.9 | 0 | 0 | 274.5 |
| Total release | KAF | 32.5 | 31.5 | 32.5 | 32.5 | 29.4 | 123 | 178.5 | 221.4 | 284.8 | 221.4 | 77.4 | 34.1 | 1,299 |
| Total release | $ft^3/s$ | 529 | 529 | 529 | 529 | 529 | 2,000 | 3,000 | 3,601 | 4,786 | 3,601 | 1,259 | 573 | NA |
| Min reservoir rels | $ft^3/s$ | 529 | 529 | 529 | 529 | 529 | 2,000 | 3,000 | 3,600 | 4,000 | 3,600 | 1,258 | 530 | NA |
| Max reservoir rels | $ft^3/s$ | 530 | 530 | 530 | 530 | 530 | 2,200 | 3,300 | 4,400 | 4,787 | 5,000 | 2,600 | 1,000 | NA |
| **Pathfinder Reservoir (Initial content: 572.3 KAF)** | | | | | | | | | | | | | | |
| Sweetwater Inflow | KAF | 3.3 | 3.5 | 2.7 | 2.5 | 2.8 | 6.2 | 18.5 | 45.5 | 44.5 | 13.3 | 4.8 | 3 | 150.6 |
| Kortes-Path Gain | KAF | 4.5 | 2 | 2 | 4.1 | 5.5 | 8.5 | 11.2 | 15.9 | 11 | 8.7 | 7 | 6.9 | 87.3 |
| Inflow from Kortes | KAF | 32.5 | 31.5 | 32.5 | 32.5 | 29.4 | 123 | 178.5 | 221.4 | 284.8 | 221.4 | 77.4 | 34.1 | 1299 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total inflow | KAF | 40.3 | 37 | 37.2 | 39.1 | 37.7 | 137.7 | 208.2 | 282.8 | 340.3 | 243.4 | 89.2 | 44 | 1,536.9 |
| Total inflow | $ft^3/s$ | 655 | 622 | 605 | 636 | 679 | 2,239 | 3,499 | 4,599 | 5,719 | 3,959 | 1,451 | 739 | NA |
| Turbine release | KAF | 1.7 | 25.6 | 26.3 | 26.3 | 23.8 | 45 | 163.6 | 169.1 | 163.6 | 169.1 | 123.1 | 65.6 | 1,002.8 |
| Jet flow release | KAF | 4.6 | 4.5 | 4.6 | 4.6 | 4.2 | 4.6 | 18.2 | 38.1 | 41.6 | 43.8 | 4.6 | 4.5 | 177.9 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total release | KAF | 6.3 | 30.1 | 30.9 | 30.9 | 28 | 49.6 | 181.8 | 207.2 | 205.2 | 212.9 | 127.7 | 70.1 | 1,180.7 |
| Total release | $ft^3/s$ | 102 | 506 | 503 | 503 | 504 | 807 | 3,055 | 3,370 | 3,448 | 3,462 | 2,077 | 1,178 | |
| Evaporation | KAF | 4.2 | 2.4 | 1.4 | 1.2 | 1.3 | 2.8 | 5.7 | 7.1 | 11.6 | 13.6 | 12 | 8.9 | 72.2 |
| End-month content | KAF | 602.1 | 606.6 | 611.5 | 618.5 | 626.9 | 712.2 | 732.9 | 801.4 | 924.9 | 941.8 | 891.3 | 856.3 | NA |
| End-month elevation | ft | 5827.6 | 5827.9 | 5828.2 | 5828.7 | 5829.3 | 5834.5 | 5835.7 | 5839.5 | 5845.8 | 5846.6 | 5844.2 | 5842.4 | NA |
| Jet flow release | $ft^3/s$ | 75 | 76 | 75 | 75 | 76 | 75 | 306 | 620 | 699 | 712 | 75 | 76 | NA |
| Min release | $ft^3/s$ | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | 75 | NA |
| **Alcova Reservoir (Initial content: 180.6 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 6.3 | 30.1 | 30.9 | 30.9 | 28 | 49.6 | 181.8 | 207.2 | 205.2 | 212.9 | 127.7 | 70.1 | 1,180.7 |
| Total inflow | $ft^3/s$ | 102 | 506 | 503 | 503 | 504 | 807 | 3,055 | 3,370 | 3,448 | 3,462 | 2,077 | 1,178 | NA |
| Turbine release | KAF | 30.3 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 157.5 | 196.7 | 190.4 | 193 | 110.8 | 59.7 | 1,106.6 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 |
| Casper Canal release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.5 | 13.3 | 18.3 | 15.5 | 9.3 | 65.9 |
| Total release | KAF | 30.3 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 157.5 | 206.2 | 203.8 | 211.3 | 126.3 | 69 | 1,172.6 |
| Total release | $ft^3/s$ | 493 | 501 | 499 | 499 | 501 | 800 | 2,647 | 3,354 | 3,425 | 3,436 | 2,054 | 1,160 | NA |
| Evaporation | KAF | 0.7 | 0.3 | 0.2 | 0.2 | 0.2 | 0.4 | 0.8 | 1 | 1.4 | 1.6 | 1.4 | 1.1 | 9.3 |
| End-month content | KAF | 155.9 | 155.9 | 155.9 | 155.9 | 155.9 | 155.9 | 179.4 | 179.4 | 179.4 | 179.4 | 179.4 | 179.4 | NA |
| End-month elevation | ft | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5487.9 | 5498 | 5498 | 5498 | 5498 | 5498 | 5498 | NA |
| **Gray Reef Reservoir (Initial content: 1.5 KAF)** | | | | | | | | | | | | | | |
| Total inflow | KAF | 30.3 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 157.5 | 196.7 | 190.5 | 193 | 110.8 | 59.7 | 1,106.7 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total inflow | $ft^3/s$ | 493 | 501 | 499 | 499 | 501 | 800 | 2,647 | 3,199 | 3,201 | 3,139 | 1,802 | 1,003 | NA |
| Total release | KAF | 30.7 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 157.5 | 196.7 | 190.4 | 192.9 | 110.7 | 59.6 | 1,106.7 |
| Total release | $ft^3/s$ | 499 | 501 | 499 | 499 | 501 | 800 | 2,647 | 3,199 | 3,200 | 3,137 | 1,800 | 1,002 | NA |
| Min reservoir rels | $ft^3/s$ | 500 | 500 | 500 | 500 | 500 | 800 | 700 | 3,198 | 3,199 | 2,950 | 1,796 | 1,000 | NA |
| Max reservoir rels | $ft^3/s$ | 500 | 500 | 500 | 500 | 500 | 800 | 2,647 | 3,199 | 3,200 | 3,200 | 1,800 | 1,002 | NA |
| **Glendo Reservoir (Initial content: 95.3 KAF)** | | | | | | | | | | | | | | |
| Alcova-Glendo Gain | KAF | 17.1 | 17.1 | 8.2 | 15.7 | 14.4 | 20.4 | 61.3 | 184.8 | 71.5 | 7 | 6 | 12 | 435.5 |
| Inflow from Gray Reef | KAF | 30.7 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 157.5 | 195.3 | 189 | 191.5 | 109.3 | 58.2 | 1,099.7 |
| Total inflow | KAF | 47.8 | 46.9 | 38.9 | 46.4 | 42.2 | 69.6 | 218.8 | 381.5 | 261.9 | 199.9 | 116.7 | 71.6 | 1,542.2 |
| Total inflow | $ft^3/s$ | 777 | 788 | 633 | 755 | 760 | 1,132 | 3,677 | 6,205 | 4,401 | 3,251 | 1,898 | 1,203 | NA |
| Turbine release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 218.3 | 231.5 | 230.7 | 234.2 | 221.4 | 204.1 | 1,340.2 |
| Low flow release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 9 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Irrigation release | KAF | 0 | 1.4 | 1.5 | 1.5 | 1.4 | 2.1 | 13 | 9.2 | 19.4 | 40.1 | 56.3 | 0 | 145.9 |
| Total release | KAF | 0 | 1.4 | 1.5 | 1.5 | 1.4 | 2.1 | 232.8 | 242.2 | 251.6 | 275.8 | 279.2 | 205.6 | 1,495.1 |
| Total release | $ft^3/s$ | 0 | 24 | 24 | 24 | 25 | 34 | 3,912 | 3,939 | 4,228 | 4,485 | 4,541 | 3,455 | NA |
| Evaporation | KAF | 1 | 0.7 | 0.7 | 0.7 | 0.8 | 1.7 | 2.9 | 4.5 | 7 | 7.4 | 5.3 | 2.7 | 35.4 |
| End-month content | KAF | 142.1 | 186.9 | 223.6 | 267.8 | 307.8 | 373.6 | 356.7 | 490.1 | 492.0 | 407.3 | 238.1 | 100.0 | NA |
| End-month elevation | ft | 4593.2 | 4600.8 | 4606.2 | 4612.1 | 4616.9 | 4624 | 4622.3 | 4634.8 | 4635 | 4627.4 | 4608.2 | 4584.1 | NA |
| **Guernsey Reservoir (Initial content: 3.6 KAF)** | | | | | | | | | | | | | | |
| Glendo-Guerns gain | KAF | 3.2 | 1.7 | 1.5 | 1.8 | 1.2 | 1 | 7.7 | 32.9 | 22.3 | 6.3 | -0.3 | 4.3 | 83.6 |
| Inflow from Glendo | KAF | 0 | 1.4 | 1.5 | 1.5 | 1.4 | 2.1 | 232.8 | 242.2 | 251.6 | 275.8 | 279.2 | 205.6 | 1,495.1 |
| Total inflow | KAF | 3.2 | 3.1 | 3 | 3.3 | 2.6 | 3.1 | 240.5 | 275.1 | 273.9 | 282.1 | 278.9 | 209.9 | 1,578.7 |
| Total inflow | $ft^3/s$ | 52 | 52 | 49 | 54 | 47 | 50 | 4,042 | 4,474 | 4,603 | 4,588 | 4,536 | 3,527 | NA |
| Turbine release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 52.6 | 53.6 | 51.8 | 53.6 | 53.6 | 55.8 | 321 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Seepage | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 1.2 | 3 | 3.1 | 2.5 | 0.3 | 12.1 |
| Spillway release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 178.1 | 219.5 | 218.1 | 224.3 | 221.9 | 179.3 | 1,241.2 |
| Total release | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 231.1 | 274.3 | 272.9 | 281 | 278 | 235.4 | 1,574.3 |
| Total release | $ft^3/s$ | 5 | 3 | 5 | 5 | 4 | 5 | 3,884 | 4,461 | 4,586 | 4,570 | 4,521 | 3,956 | NA |
| Evaporation | KAF | 0.1 | 0.2 | 0.2 | 0.2 | 0.2 | 0.3 | 0.5 | 0.8 | 1 | 1.1 | 0.9 | 0.5 | 6 |
| End-month content | KAF | 6.4 | 9.1 | 11.6 | 14.4 | 16.6 | 19.1 | 28.0 | 28.0 | 28.0 | 28.0 | 28.0 | 2.0 | NA |
| End-month elevation | ft | 4396.4 | 4399.4 | 4401.7 | 4403.9 | 4405.4 | 4407 | 4411.9 | 4411.9 | 4411.9 | 4411.9 | 4411.9 | 4388 | NA |
| **North Platte River System of Dams (Initial content: 1412.1 KAF)** | | | | | | | | | | | | | | |
| Physical EOM content | KAF | 1,467.6 | 1,522.4 | 1,561.6 | 1,608.9 | 1,658.3 | 1,747.5 | 1,764.7 | 2,131.6 | 2,535.4 | 2,448.7 | 2,203.3 | 2,000 | NA |

Table A-10.—Water Year 2025 Ownership Operating Plan for the Maximum Probable Inflow Scenario (1785.4 KAF April—July inflows)

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **North Platte Pathfinder (Initial Ownership: 437.4 KAF)** | | | | | | | | | | | | | | |
| Net accrual | KAF | 41.3 | 37.3 | 31.4 | 31.7 | 35.7 | 71.8 | 187.1 | 358.1 | 0 | 0 | 0 | 0 | 794.4 |
| Evaporation | KAF | 2.9 | 1.8 | 1.2 | 1.2 | 1.2 | 2.7 | 5.3 | 6.9 | 14.8 | 14.2 | 12.1 | 7.8 | 72.1 |
| Deliv from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 161.8 | 0 | 0 | 0 | 151 | 169.7 | 482.5 |
| End-month Ownership | KAF | 478.7 | 516 | 547.4 | 579.1 | 614.8 | 686.6 | 711.9 | 1,070 | 1,055.2 | 1,041 | 877.9 | 700.4 | NA |
| **North Platte Guernsey (Initial Ownership: 0 KAF)** | | | | | | | | | | | | | | |
| Net accrual | KAF | 0 | 0 | 9.4 | 17.2 | 15.3 | 3.7 | 0 | 0 | 0 | 0 | 0 | 0 | 45.6 |
| Evaporation/seepage | KAF | 0 | 0 | 0.3 | 0.3 | 0.3 | 0.5 | 0.4 | 0 | 0 | 0 | 0 | 0 | 1.8 |
| Deliver from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 45.2 | 0 | 0 | 0 | 0 | 0 | 45.2 |
| End-month Ownership | KAF | 0 | 0 | 9.4 | 26.6 | 41.9 | 45.6 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| **Inland Lakes (Initial Ownership: 0 KAF)** | | | | | | | | | | | | | | |
| Net accrual | KAF | 20 | 18.5 | 0 | 0 | 0 | 0 | 7.5 | 0 | 0 | 0 | 0 | 0 | 46 |
| Evaporation/seepage | KAF | 0.3 | 0.3 | 0.1 | 0.1 | 0.1 | 0.1 | 0.3 | 0.2 | 0 | 0 | 0 | 0 | 1.5 |
| Transfer from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 24.1 | 21.3 | 0 | 0 | 0 | 0 | 45.4 |
| End-month Ownership | KAF | 20 | 38.5 | 38.4 | 38.3 | 38.2 | 38.1 | 21.5 | 0 | 0 | 0 | 0 | 0 | NA |
| **Kendrick (Initial Ownership: 831.5 KAF)** | | | | | | | | | | | | | | |
| Net accrual | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35.9 | 357.9 | 0 | 0 | 0 | 393.8 |
| Evaporation | KAF | 5.5 | 3 | 1.9 | 1.7 | 1.8 | 3.5 | 6.2 | 7.9 | 11.6 | 16.2 | 13.8 | 10.3 | 83.4 |
| Deliv from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 16.9 | 10.7 | 29 |
| End-month Ownership | KAF | 826 | 823 | 821.1 | 819.4 | 817.6 | 814.1 | 807.9 | 843.8 | 1,201.7 | 1,184.1 | 1,153.4 | 1,132.4 | NA |
| **Glendo Unit (Initial Ownership: 129.9 KAF)** | | | | | | | | | | | | | | |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Accrual | KAF | 0 | 0 | 0 | 0 | 0 | 17.2 | 24.6 | 0 | 0 | 0 | 0 | 0 | 41.8 |
| Evaporation | KAF | 0.9 | 0.5 | 0.3 | 0.3 | 0.3 | 0.6 | 1.1 | 1.6 | 2.3 | 2.2 | 1.9 | 1.3 | 13.3 |
| Deliv from Ownership | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 4 | 9 |
| End-month Ownership | KAF | 129 | 128.5 | 128.2 | 127.9 | 127.6 | 144.2 | 167.7 | 166.1 | 163.8 | 161.6 | 154.7 | 149.4 | NA |
| **Re-regulation (Initial Ownership: 0 KAF)** | | | | | | | | | | | | | | |
| Accrual | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 36.6 | 0 | 62.6 | 0 | 0 | 0 | 99.2 |
| Evaporation/seepage | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.5 | 1.4 | 0.5 | 0 | 2.8 |
| Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 51.7 | 44.7 | 0 | 96.4 |
| End-month total | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 36.6 | 36.2 | 98.3 | 45.2 | 0 | 0 | NA |
| **City of Cheyenne (Initial Ownership: 3.9 KAF)** | | | | | | | | | | | | | | |
| Inflow | KAF | 0.7 | 2.5 | 0.7 | 0.5 | 0.6 | 0.8 | 0.3 | 0.6 | 2.7 | 1.1 | 0.7 | 0.7 | 11.9 |
| Evaporation | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.6 |
| Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 1.6 | 0.5 | 0 | 0 | 6.1 |
| Ownership | KAF | 4.6 | 7.1 | 7.8 | 8.3 | 8.9 | 9.7 | 9.9 | 6.4 | 7.4 | 7.9 | 8.5 | 9.1 | NA |
| **Pacificorp (Initial Ownership: 2 KAF)** | | | | | | | | | | | | | | |
| Inflow | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Evaporation | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ownership | KAF | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | NA |
| **Other (Initial Ownership: 7.4 KAF)** | | | | | | | | | | | | | | |
| Inflow | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Evaporation | KAF | 0.1 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.7 |
| Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ownership | KAF | 7.3 | 7.3 | 7.3 | 7.3 | 7.3 | 7.2 | 7.2 | 7.1 | 7 | 6.9 | 6.8 | 6.7 | NA |
| **North Platte River System (Initial content: 1412.1 KAF)** | | | | | | | | | | | | | | |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ownership EOM content | KAF | 1,467.6 | 1,522.4 | 1,561.6 | 1,608.9 | 1,658.3 | 1,747.5 | 1,764.7 | 2,131.6 | 2,535.4 | 2,448.7 | 2,203.3 | 2,000 | NA |

Table A-11.—Water Year 2025 Irrigation Operating Plan for the Maximum Probable Inflow Scenario (1785.4 KAF April—July inflows)

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Kendrick (Casper Canal)** | | | | | | | | | | | | | | |
| Requested | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.5 | 13.3 | 18.3 | 15.5 | 9.3 | 65.9 |
| Delivered | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.5 | 13.3 | 18.3 | 15.5 | 9.3 | 65.9 |
| **Kendrick (River)** | | | | | | | | | | | | | | |
| Requested | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 7 |
| Delivered | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 7 |
| **Guernsey Deliveries** | | | | | | | | | | | | | | |
| North Platte req | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 207 | 253 | 270.9 | 275 | 273 | 231.4 | 1,510.3 |
| Glendo req | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 5 | 4 | 17 |
| Inland Lakes req | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 24.1 | 21.3 | 0 | 0 | 0 | 0 | 45.4 |
| Total requirement | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 231.1 | 274.3 | 272.9 | 281 | 278 | 235.4 | 1,572.7 |
| Seepage | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 0.4 | 1.2 | 3 | 3.1 | 2.5 | 0.3 | 12.1 |
| Actual release | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 231.1 | 274.3 | 272.9 | 281 | 278 | 235.4 | 1,574.3 |

Table A-12.—Water Year 2025 Power Generation Operating Plan for the Maximum Probable Inflow Scenario (1785.4 KAF April—July inflows)

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Seminoe Power Plant** | | | | | | | | | | | | | | |
| Turbine release | KAF | 32.6 | 31.5 | 32.5 | 32.5 | 29.4 | 123 | 178.5 | 192.2 | 188.4 | 184.6 | 77.4 | 34.1 | 1,136.7 |
| Bypass | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 29.2 | 96.4 | 36.8 | 0 | 0 | 162.4 |
| Maximum generation | GWh | 30.768 | 29.824 | 30.784 | 30.685 | 27.646 | 29.995 | 28.276 | 30.579 | 32.405 | 32.859 | 32.968 | 31.944 | 368.733 |
| Actual generation | GWh | 5.216 | 5.04 | 5.2 | 5.189 | 4.682 | 19.306 | 27.268 | 30.579 | 32.405 | 32.859 | 13.689 | 6.002 | 187.435 |
| Percent max generation | | 17 | 17 | 17 | 17 | 17 | 64 | 96 | 100 | 100 | 100 | 42 | 19 | 51 |
| Average kwh/AF | | 160 | 160 | 160 | 160 | 159 | 157 | 153 | 159 | 172 | 178 | 177 | 176 | 165 |
| **Kortes Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 32.5 | 31.5 | 32.5 | 32.5 | 29.4 | 123 | 155.3 | 160.5 | 155.3 | 160.5 | 77.4 | 34.1 | 1,024.5 |
| Bypass | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 23.2 | 60.9 | 129.5 | 60.9 | 0 | 0 | 274.5 |
| Maximum generation | GWh | 28.346 | 26.712 | 27.606 | 27.606 | 24.94 | 27.606 | 26.712 | 27.606 | 26.712 | 27.606 | 27.606 | 26.712 | 325.77 |
| Actual generation | GWh | 5.59 | 5.418 | 5.59 | 5.59 | 5.057 | 21.156 | 26.712 | 27.606 | 26.712 | 27.606 | 13.313 | 5.865 | 176.215 |
| Percent max generation | | 20 | 20 | 20 | 20 | 20 | 77 | 100 | 100 | 100 | 100 | 48 | 22 | 54 |
| Average kwh/AF | | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 | 172 |
| **Fremont Canyon Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 1.7 | 25.6 | 26.3 | 26.3 | 23.8 | 45 | 163.6 | 169.1 | 163.6 | 169.1 | 123.1 | 65.6 | 1,002.8 |
| Bypass | KAF | 4.6 | 4.5 | 4.6 | 4.6 | 4.2 | 4.6 | 18.2 | 38.1 | 41.6 | 43.8 | 4.6 | 4.5 | 177.9 |
| Maximum generation | GWh | 45.083 | 43.813 | 45.341 | 45.412 | 41.09 | 46.002 | 44.969 | 46.883 | 45.688 | 47.275 | 47.262 | 45.696 | 544.514 |
| Actual generation | GWh | 0.453 | 6.856 | 7.052 | 7.063 | 6.404 | 12.242 | 44.969 | 46.883 | 45.688 | 47.275 | 34.406 | 18.323 | 277.614 |
| Percent max generation | | 1 | 16 | 16 | 16 | 16 | 27 | 100 | 100 | 100 | 100 | 73 | 40 | 51 |
| Average kwh/AF | | 266 | 268 | 268 | 269 | 269 | 272 | 275 | 277 | 279 | 280 | 279 | 279 | 277 |
| **Alcova Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 30.3 | 29.8 | 30.7 | 30.7 | 27.8 | 49.2 | 157.5 | 196.7 | 190.4 | 193 | 110.8 | 59.7 | 1,106.6 |
| Bypass | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 | 0 | 0 | 0 | 0.1 |

| Accounting Item | Unit | Oct. | Nov. | Dec. | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Maximum generation | GWh | 27.179 | 26.588 | 27.472 | 27.472 | 24.82 | 27.472 | 26.275 | 27.552 | 26.656 | 27.552 | 27.552 | 26.656 | 323.246 |
| Actual generation | GWh | 4.184 | 4.053 | 4.175 | 4.175 | 3.781 | 6.691 | 21.735 | 27.538 | 26.656 | 27.02 | 15.512 | 8.358 | 153.878 |
| Percent max generation | | 15 | 15 | 15 | 15 | 15 | 24 | 83 | 100 | 100 | 98 | 56 | 31 | 48 |
| Average kwh/AF | | 138 | 136 | 136 | 136 | 136 | 136 | 138 | 140 | 140 | 140 | 140 | 140 | 139 |
| **Glendo Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 218.3 | 231.5 | 230.7 | 234.2 | 221.4 | 204.1 | 1,340.2 |
| Bypass | KAF | 0 | 1.4 | 1.5 | 1.5 | 1.4 | 2.1 | 14.5 | 10.7 | 20.9 | 41.6 | 57.8 | 1.5 | 154.9 |
| Maximum generation | GWh | 0 | 0 | 0 | 0 | 0 | 0 | 22.941 | 25.371 | 26.49 | 26.142 | 22.507 | 16.008 | 139.459 |
| Actual generation | GWh | 0 | 0 | 0 | 0 | 0 | 0 | 22.941 | 25.371 | 26.49 | 26.142 | 22.507 | 15.663 | 139.114 |
| Percent max generation | | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 98 | 100 |
| Average kwh/AF | | 0 | 0 | 0 | 0 | 0 | 0 | 105 | 110 | 115 | 112 | 102 | 77 | 104 |
| **Guernsey Power Plant** | | | | | | | | | | | | | | |
| Turbine Release | KAF | 0 | 0 | 0 | 0 | 0 | 0 | 52.6 | 53.6 | 51.8 | 53.6 | 53.6 | 55.8 | 321 |
| Bypass | KAF | 0.3 | 0.2 | 0.3 | 0.3 | 0.2 | 0.3 | 178.5 | 220.7 | 221.1 | 227.4 | 224.4 | 179.6 | 1,253.3 |
| Maximum generation | GWh | 0 | 0 | 0 | 0 | 0 | 0 | 3.584 | 3.795 | 3.667 | 3.795 | 3.795 | 3.404 | 22.04 |
| Actual generation | GWh | 0 | 0 | 0 | 0 | 0 | 0 | 3.584 | 3.795 | 3.667 | 3.795 | 3.795 | 3.404 | 22.04 |
| Percent max generation | | 0 | 0 | 0 | 0 | 0 | 0 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Average kwh/AF | | 0 | 0 | 0 | 0 | 0 | 0 | 68 | 71 | 71 | 71 | 71 | 61 | 69 |

# Appendix B

Glossary

**Annual Operating Plan (AOP)** - An annual publication which is prepared, reviewed, and presented to the public, with a summary of the actual operations and outlook for the coming water year.

**Acre-Foot (AF)** - A measure of volume of water equal to an area of one acre covered with water one foot deep (43,560 cubic feet).

**Basin** - The watershed from which overland runoff flows into the North Platte River. When used alone in this report it refers to the North Platte River Drainage Basin upstream of Guernsey Dam.

**Bypass** - That amount of water released from a reservoir other than through the powerplant for those reservoirs which have a powerplant connected to them.

**Cubic Foot per Second ($ft^3/s$)** - The rate of discharge representing a volume of one cubic foot passing a given point during one second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute. The volume of water represented by a flow of one cubic foot per second for 24 hours is equivalent to 86,400 cubic feet, approximately 1.983 AF, or 646,272 gallons.

**Evaporation Pool** - A volume of water set aside in the accounting process from which reservoir evaporation is subtracted as it occurs (used in Glendo storage accounting).

**Flood Pool** - A physical space in the reservoir which is to be occupied only by water from flood events. In Glendo Reservoir, the volume between reservoir elevations 4,635.0 feet and 4,653.0 feet is reserved exclusively for flood control.

**Gains** - Water which enters a river in a defined reach from a source other than an upstream release. When flow released into a reach is greater than the river flow exiting the lower end of the reach, the net gain is negative (loss of water in the reach).

**Gigawatt-hour (GWh)** - A unit of power equal to one-billion-watt hours.

**Head -** The difference in elevation between the reservoir water surface and the power generating turbines at a powerplant which is connected to a reservoir.

**Hydromet** - Computer software designed for the acquisition, processing, storage, and retrieval of hydrological and meteorological data which is gathered via satellite from remote sites.

**Inflow** - As used in this report is any water which enters a reservoir irrespective of whether it originated in the reach or was released from an upstream storage reservoir.

**Inland Lakes** - A series of four off-stream storage reservoirs on the Interstate Canal system in Nebraska which are used to store and re-release irrigation water (Lake Alice, Lake Minatare, Little Lake Alice, and Lake Winters Creek).

**Megawatt (MW)** – A unit of power equal to one million watts.

**Natural Flow** - River flow which has originated from a source other than reservoir storage.

**NRCS** – The Natural Resources Conservation Service which is a government agency under the Department of Agriculture.

**Power Pool** - That space in a reservoir which must be full in order to efficiently generate electrical power through an associated turbine generator.

**Precipitation** - A deposit on the earth of hail, mist, rain, sleet, or snow.

**Runoff** - That part of precipitation on the Basin which appears as flow in the North Platte River.

**Silt Run** - The name given to the practice of flushing silt from Guernsey Reservoir into the North Platte River downstream where the silt laden water is diverted by irrigators. The silt tends to settle in the slower moving water of canals and laterals helping to seal the wetted perimeter and reduce seepage losses.

**SNOTEL** - NRCS automated snowpack telemetry network of sites which continually monitor snowpack and weather conditions and transmit data to a data retrieval center in Portland, Oregon.

**System** - As used in the report the System includes all storage, delivery, and power generating facilities on the mainstem of the North Platte River in Wyoming.

**SWE** – Snow water equivalent is the amount of water in the snowpack expressed in inches.

**Water Year** - October 1 through September 30.

# Appendix C

Historical Watershed Runoff

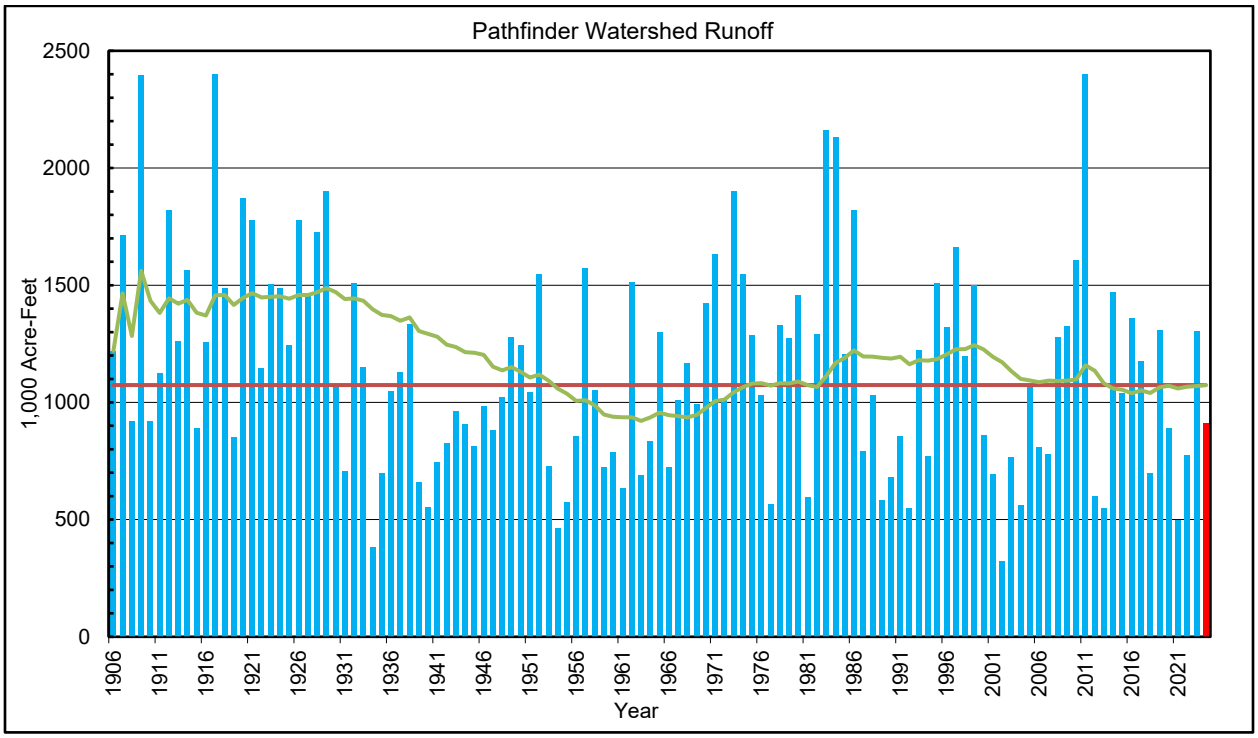


**Figure C-1.—Pathfinder watershed runoff 1906–2024.**

# Appendix D

Reservoir Data Definition Sheets

# A. General

Dam design and reservoir operation utilize reservoir capacity and water surface elevation data. To ensure uniformity in the establishment, use, and publication of this data the following standard definitions of water surface elevations and reservoir capacities shall be used.

# B. Water Surface Elevation Definitions

**Maximum Water Surface** - The highest acceptable water surface elevation with all factors affecting the safety of the structure considered. Normally it is the highest water surface elevation resulting from a computed routing of the inflow design flood through the reservoir on the basis of established operating criteria. It is the top of surcharge capacity.

**Top of Exclusive Flood Control Capacity** - The reservoir water surface elevation at the top of the reservoir capacity allocated to exclusive use for the regulating of flood inflows to reduce damage downstream.

**Maximum Controllable Water Surface Elevation** - The highest reservoir water surface elevation at which gravity flows from the reservoir can be completely shut off.

**Top of Joint Use Capacity** - The reservoir water surface elevation at the top of the reservoir capacity allocated to joint use, i.e., flood control and conservation purposes.

**Top of Active Conservation Capacity** - The reservoir water surface elevation at the top of the capacity allocated to the storage of water for conservation purposes only.

**Top of Inactive Capacity** - The reservoir water surface elevation below which the reservoir will not be evacuated under normal conditions.

**Top of Dead Capacity** - The lowest elevation in the reservoir from which water can be drawn by gravity.

**Streambed at the Dam Axis** - The elevation of the lowest point in the streambed at the axis of the dam prior to construction. This elevation normally defines the zero for the area-capacity tables.

# C. Capacity Definitions

**Surcharge Capacity** - The reservoir capacity provided for use in passing the inflow design flood through the reservoir. It is the reservoir capacity between the maximum water surface elevation and the highest of the following elevations:

1. Top of exclusive flood control capacity
2. Top of joint use capacity
3. Top of active conservation capacity

**Total Capacity** - The reservoir capacity below the highest of the elevations representing the top of exclusive flood control capacity, the top of joint use capacity, or the top of active conservation capacity. In the case of a natural lake which has been enlarged, the total capacity includes the dead capacity of the lake. Total capacity is used to express the total quantity of water which can be impounded and is exclusive of surcharge capacity.

**Live Capacity** - The part of the total capacity from which water can be withdrawn by gravity. It is equal to the total capacity less the dead capacity.

**Active Capacity** - The reservoir capacity normally usable for storage and regulation of reservoir inflows to meet established reservoir operating requirements. Active capacity extends from the highest of the top of exclusive flood control capacity, the top of joint use capacity, or the top of active conservation capacity to the top of inactive capacity. It is the total capacity less the sum of the inactive and dead capacities.

**Exclusive Flood Control Capacity** - The reservoir capacity assigned to the sole purpose of regulating flood inflows to reduce flood damage downstream.

**Joint Use Capacity** - The reservoir capacity assigned to flood control purposes during certain periods of the year and to conservation purposes during other periods of the year.

**Active Conservation Capacity** - The reservoir capacity assigned to regulate reservoir inflow for irrigation, power, municipal, and industrial, fish and wildlife, navigation, recreation, water quality, and other purposes. It does not include exclusive flood control or joint use capacity. The active conservation capacity extends from the top of the active conservation capacity to the top of the inactive capacity.

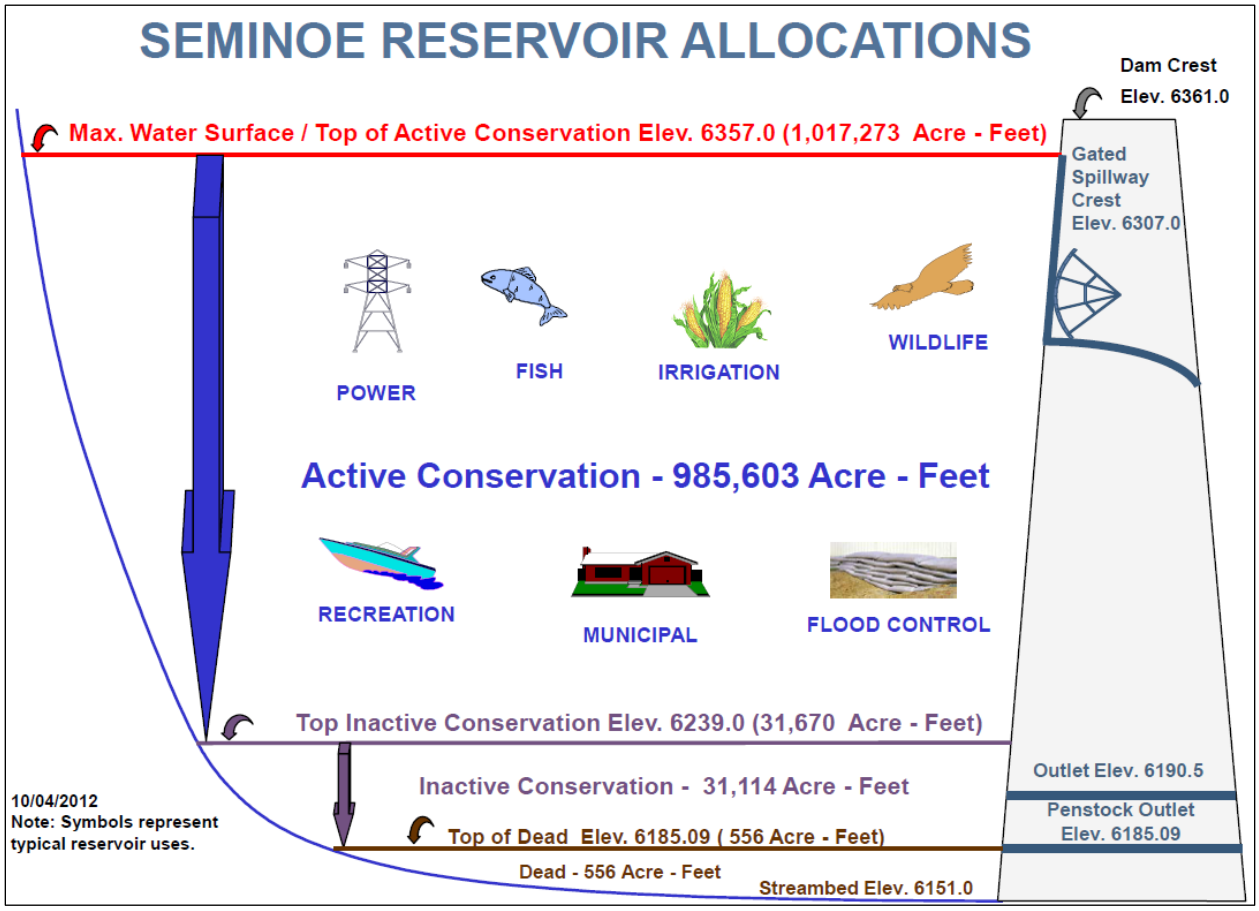


Figure 20.—Seminoe Reservoir allocation.

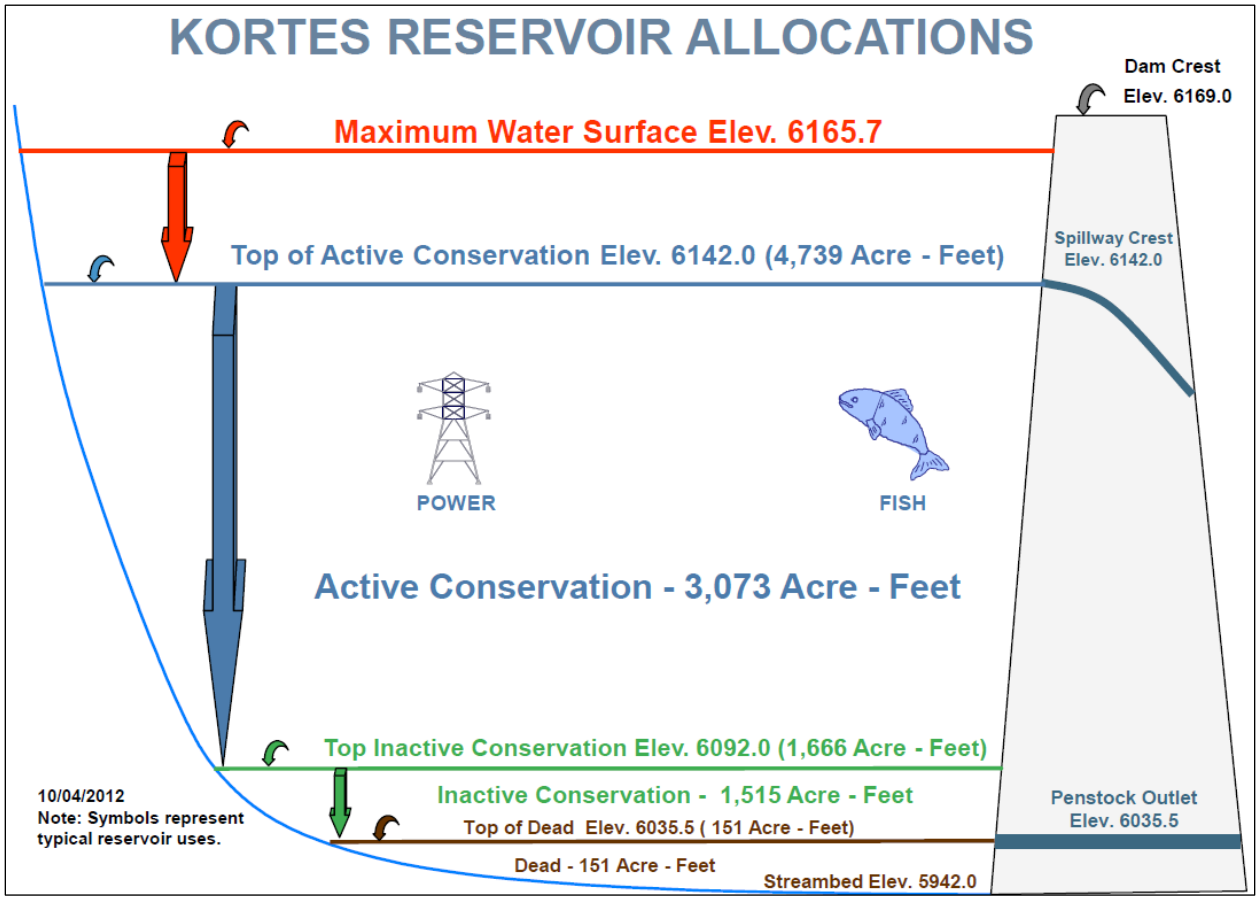


Figure 21.—Kortes Reservoir allocation.

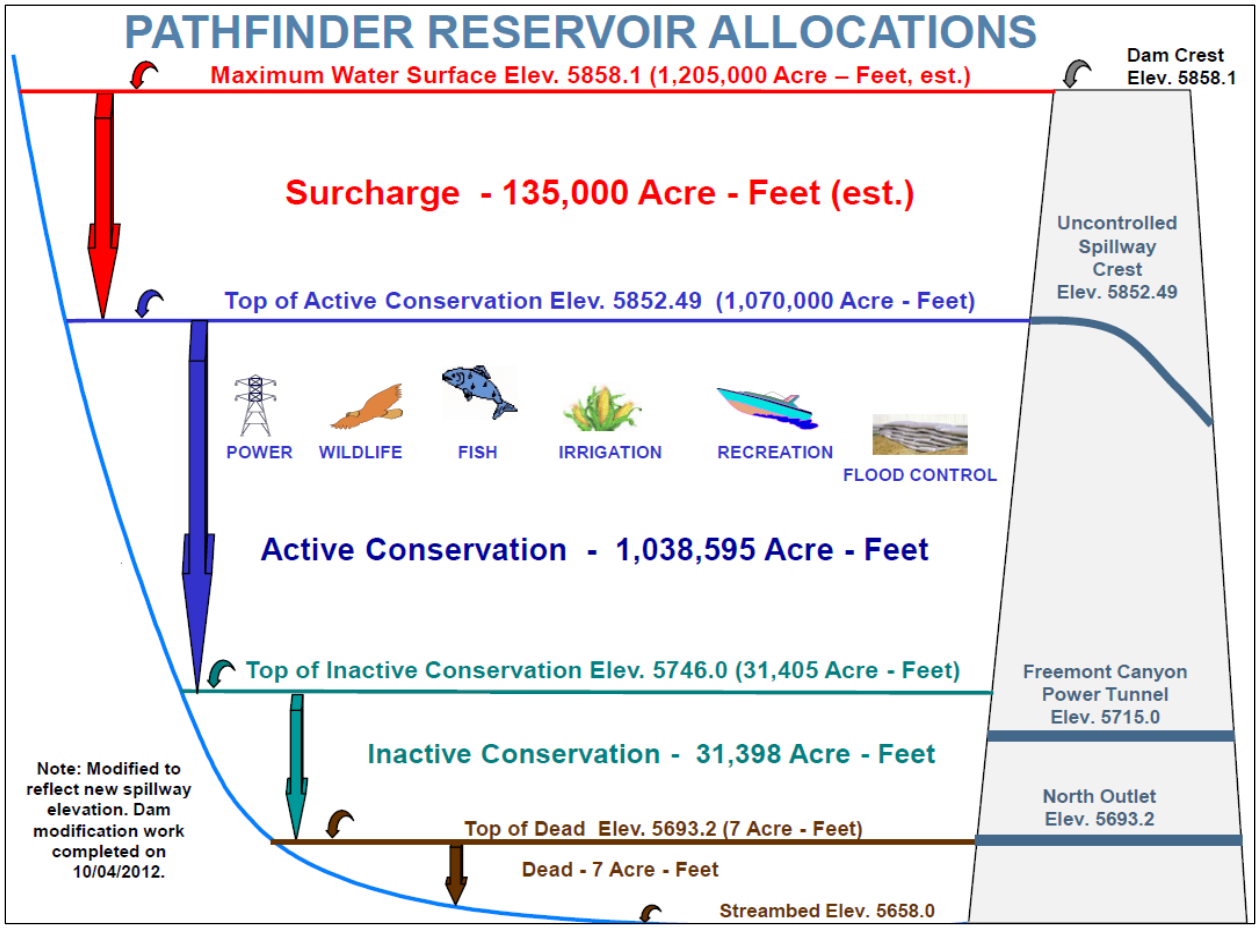


Figure 22.—Pathfinder Reservoir allocation.

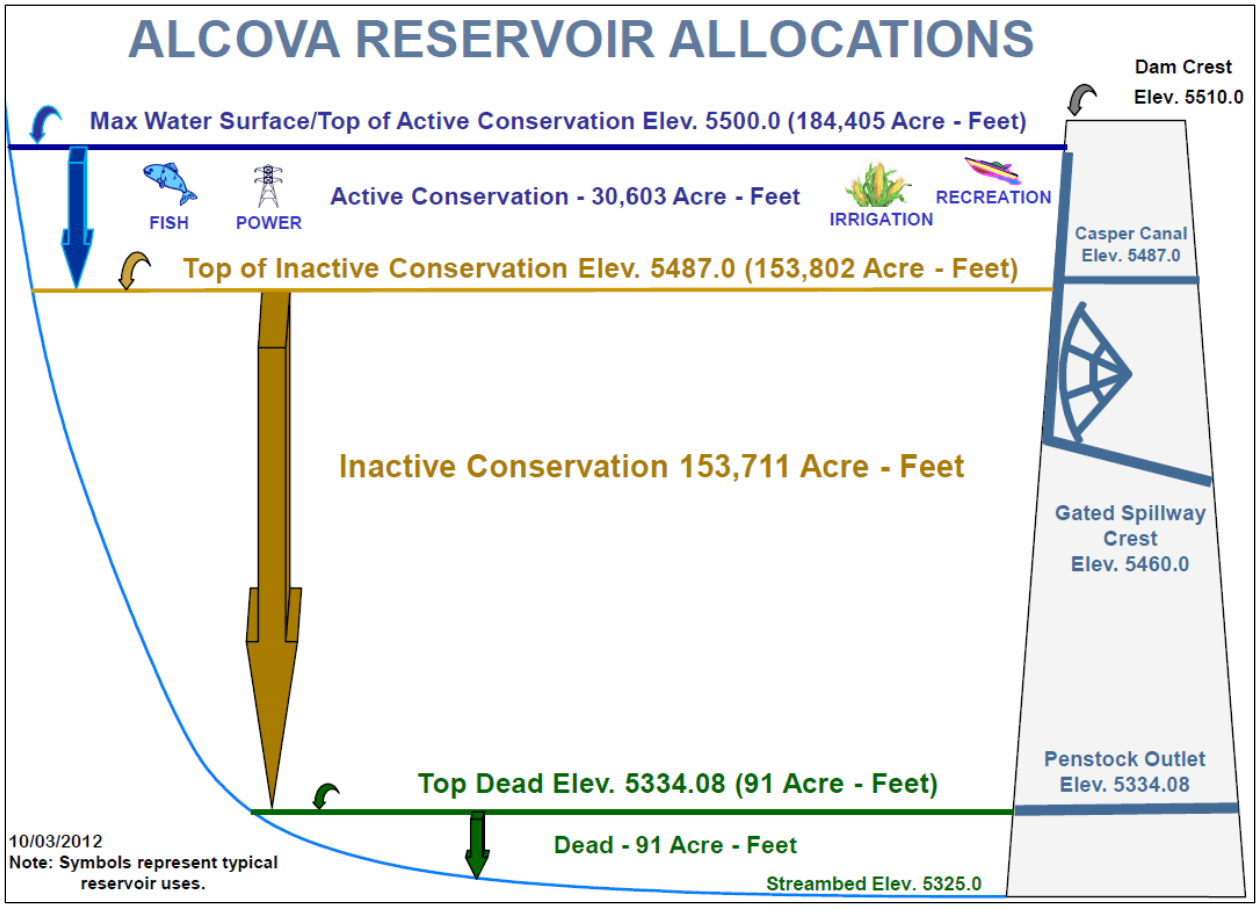


Figure 23.—Alcova Reservoir Allocation.

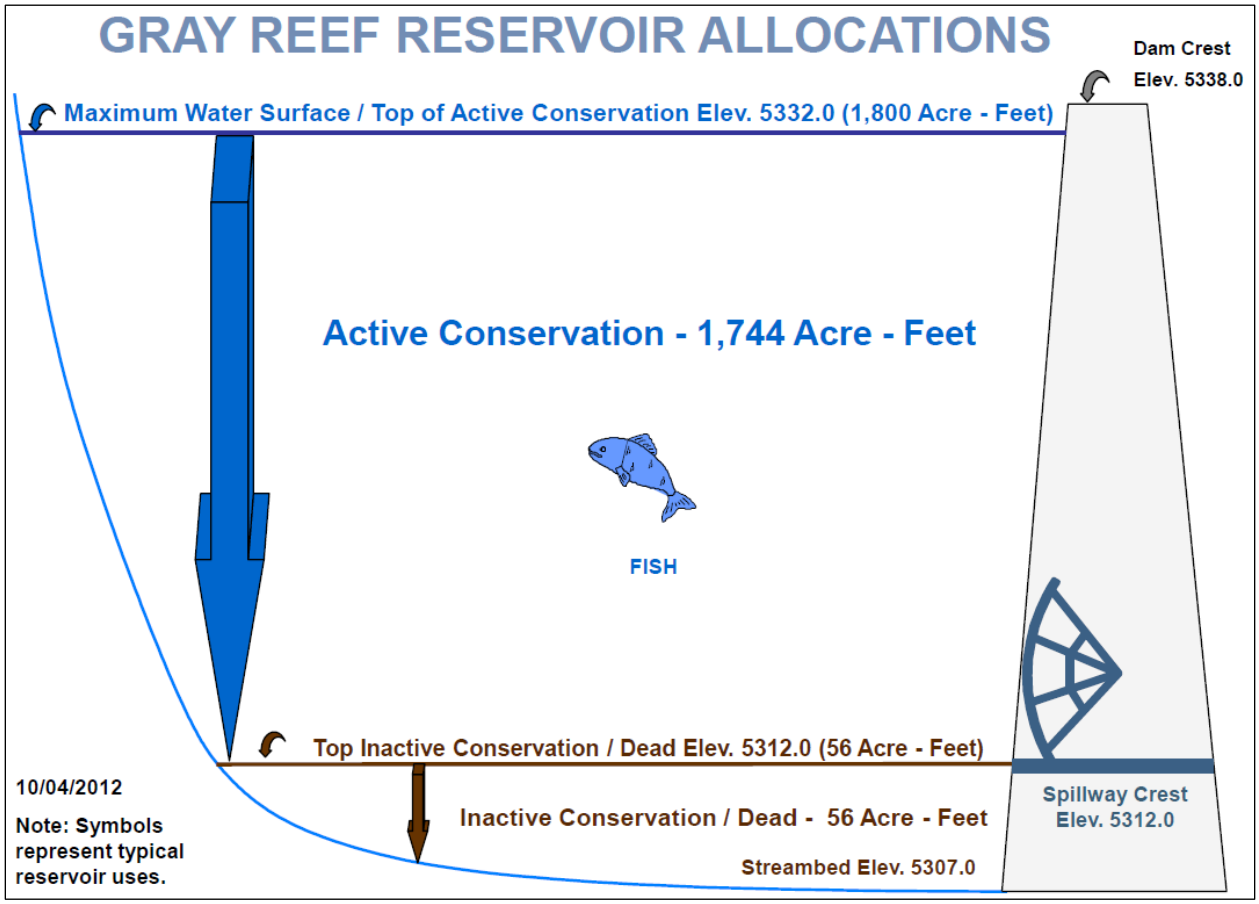


Figure 24.—Gray Reef Reservoir allocation.

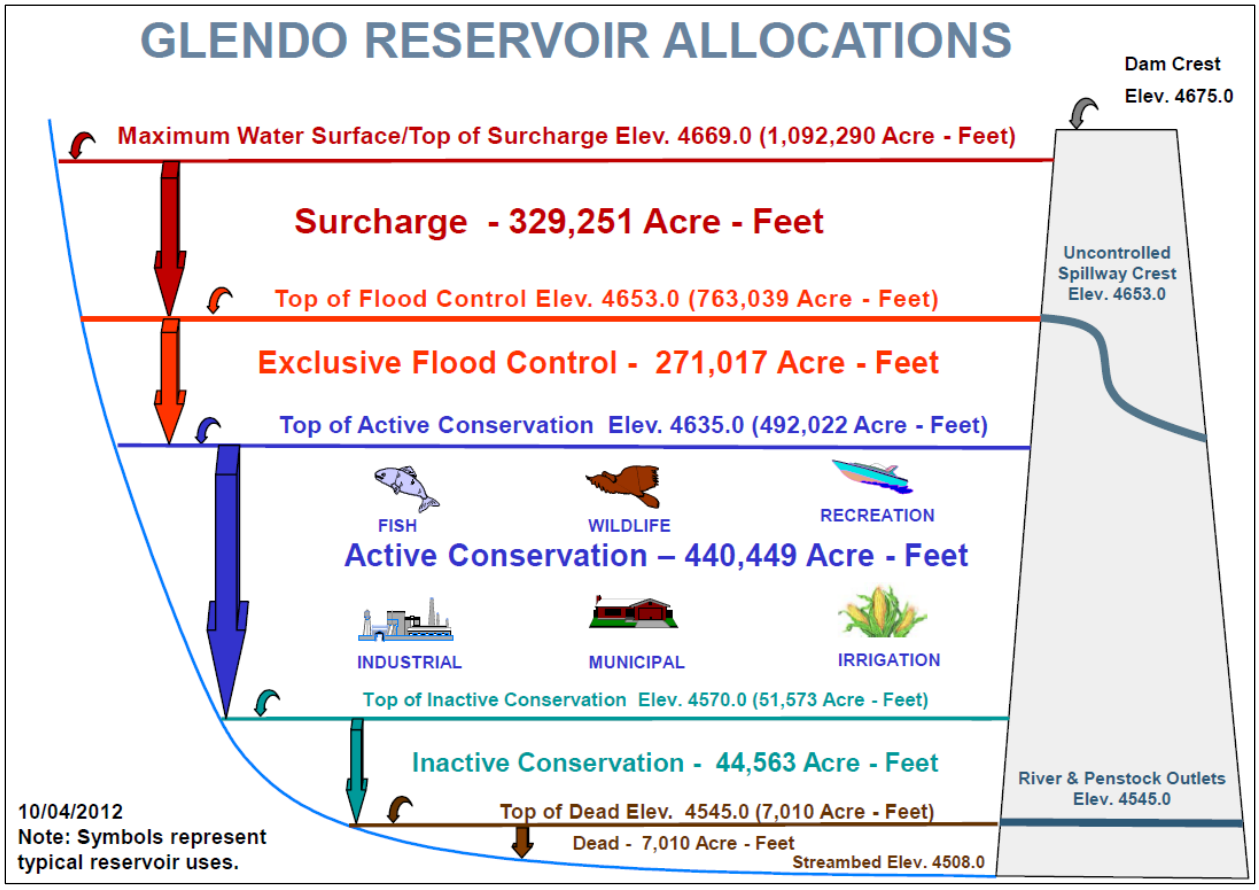


Figure 25.—Glendo Reservoir allocation.

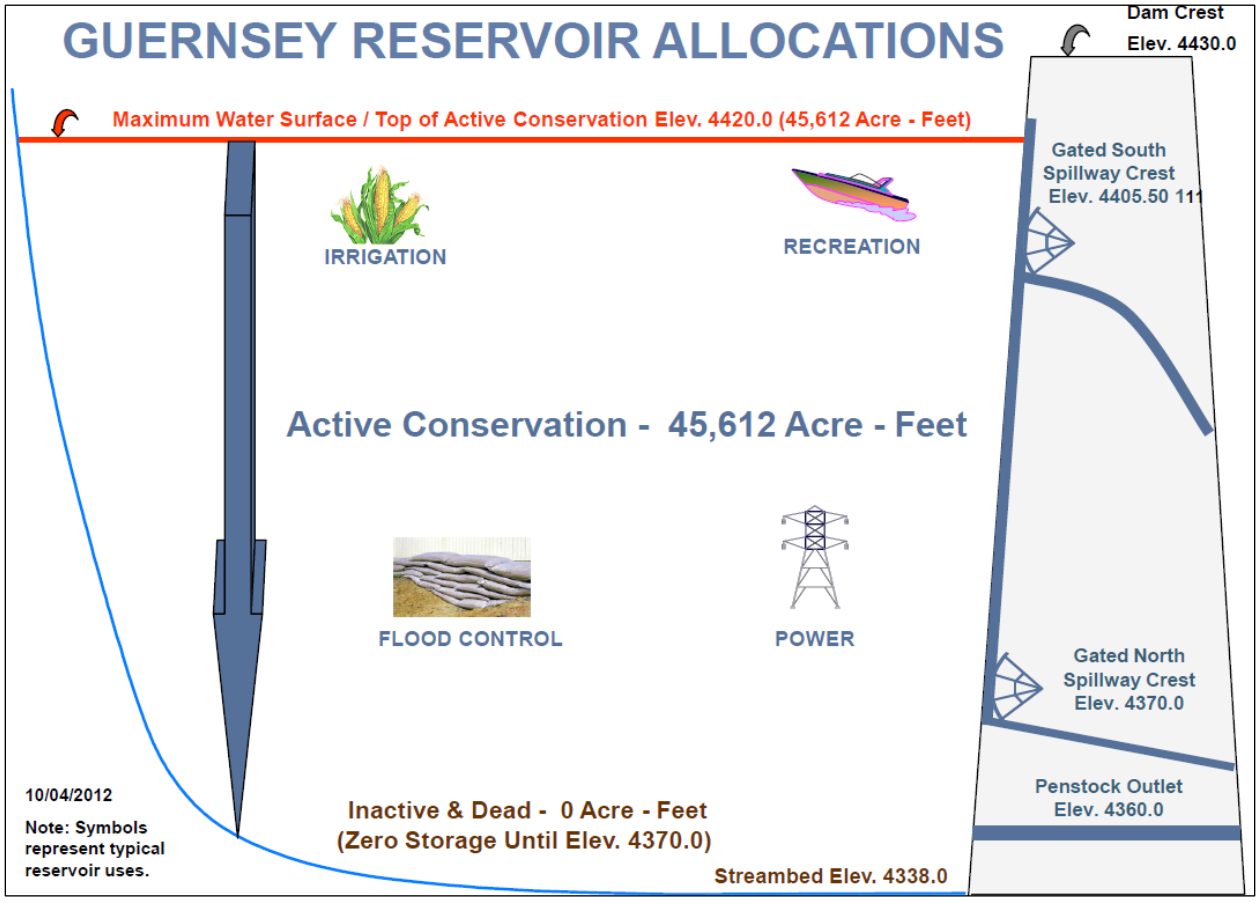


Figure 26.—Guernsey Reservoir allocation.

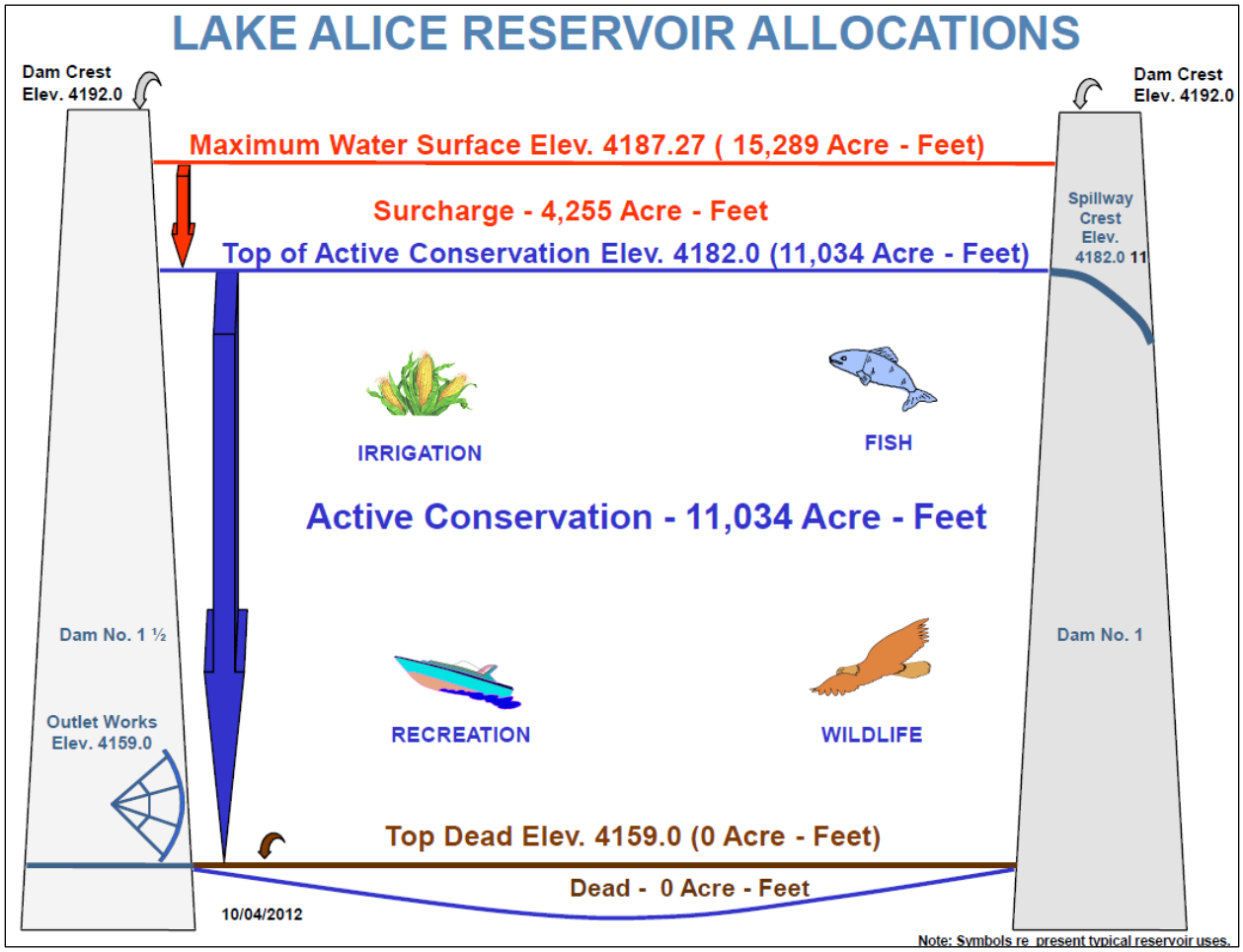


Figure 27.—Lake Alice Reservoir allocation.

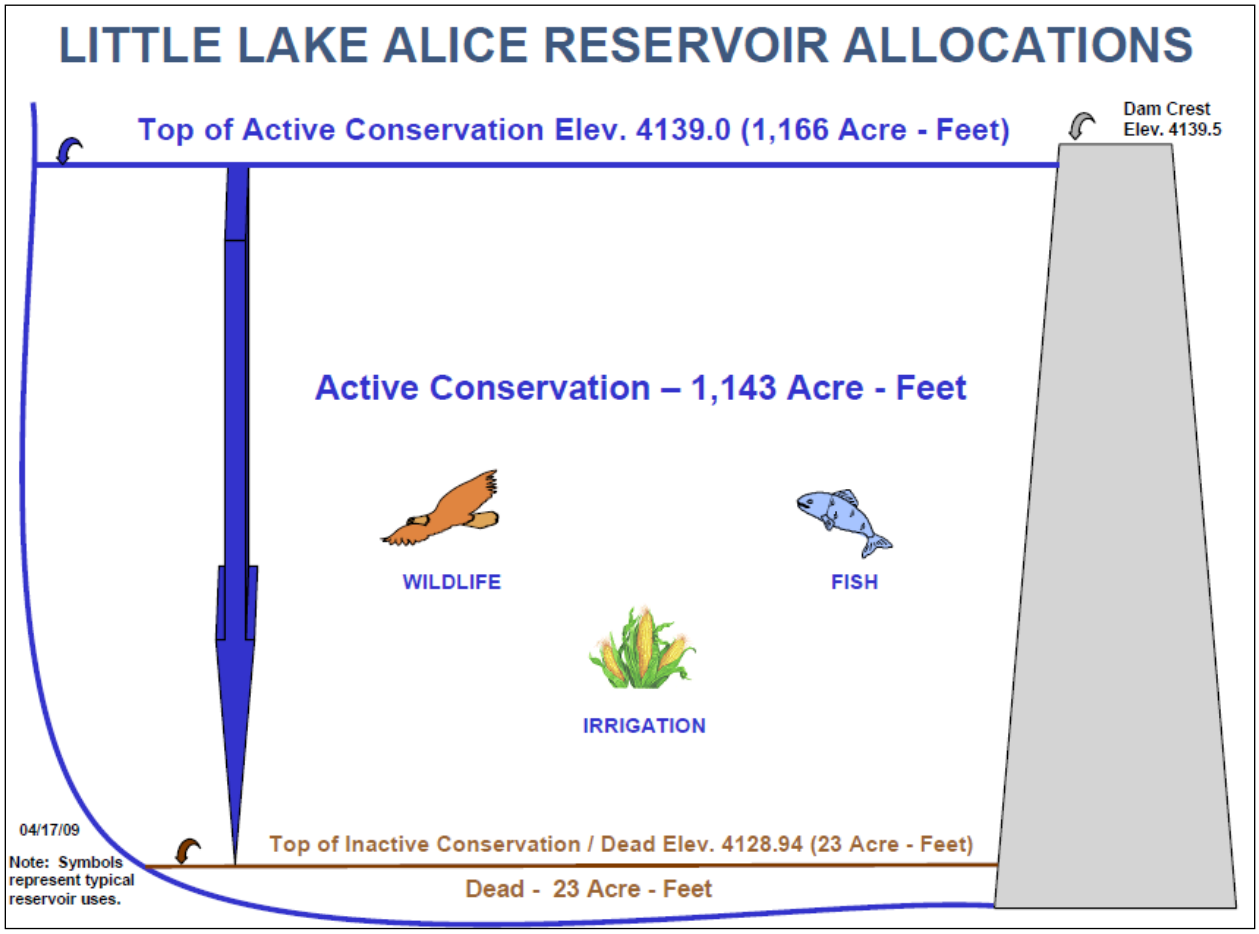


Figure 28.—Little Lake Alice Reservoir allocation.

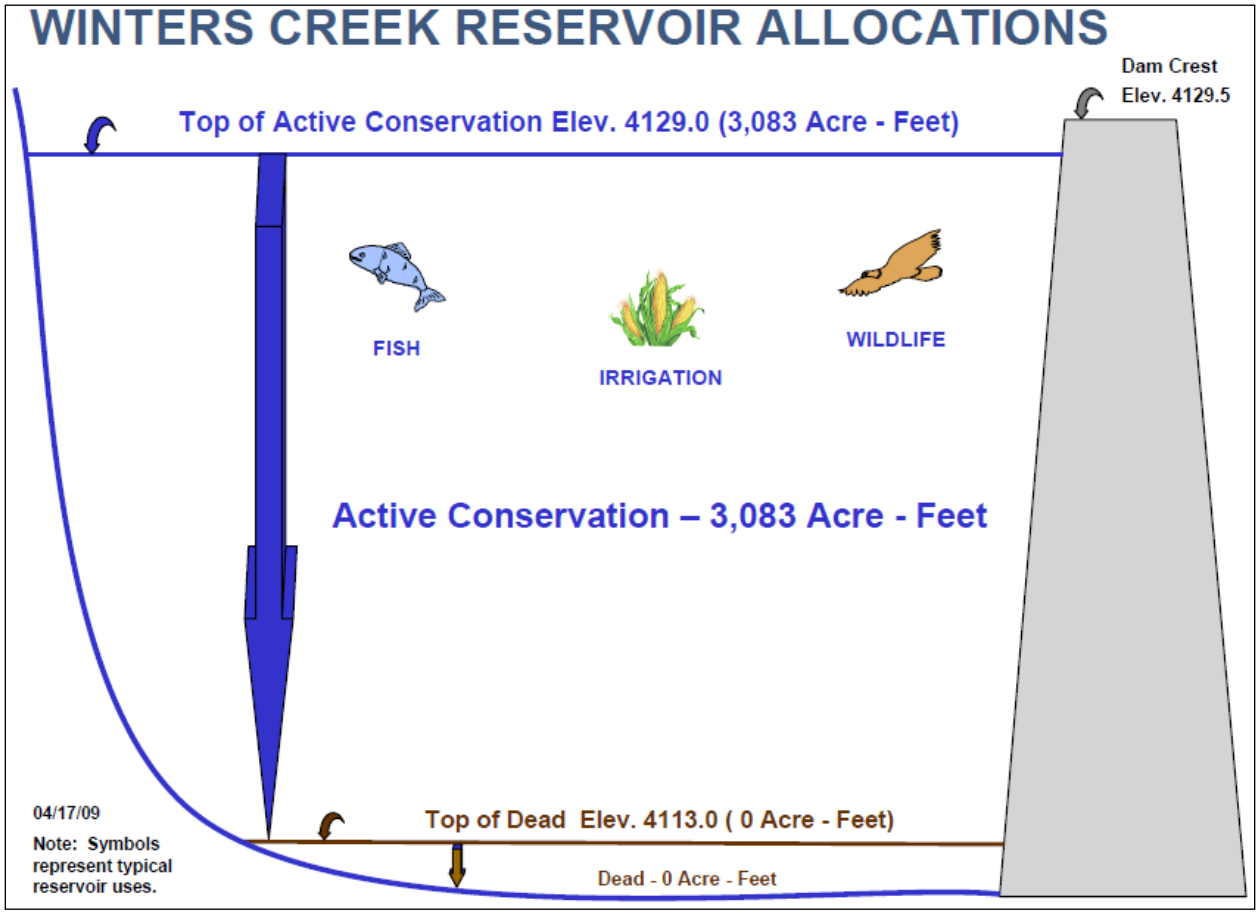


Figure 29.—Winters Creek Reservoir allocation.

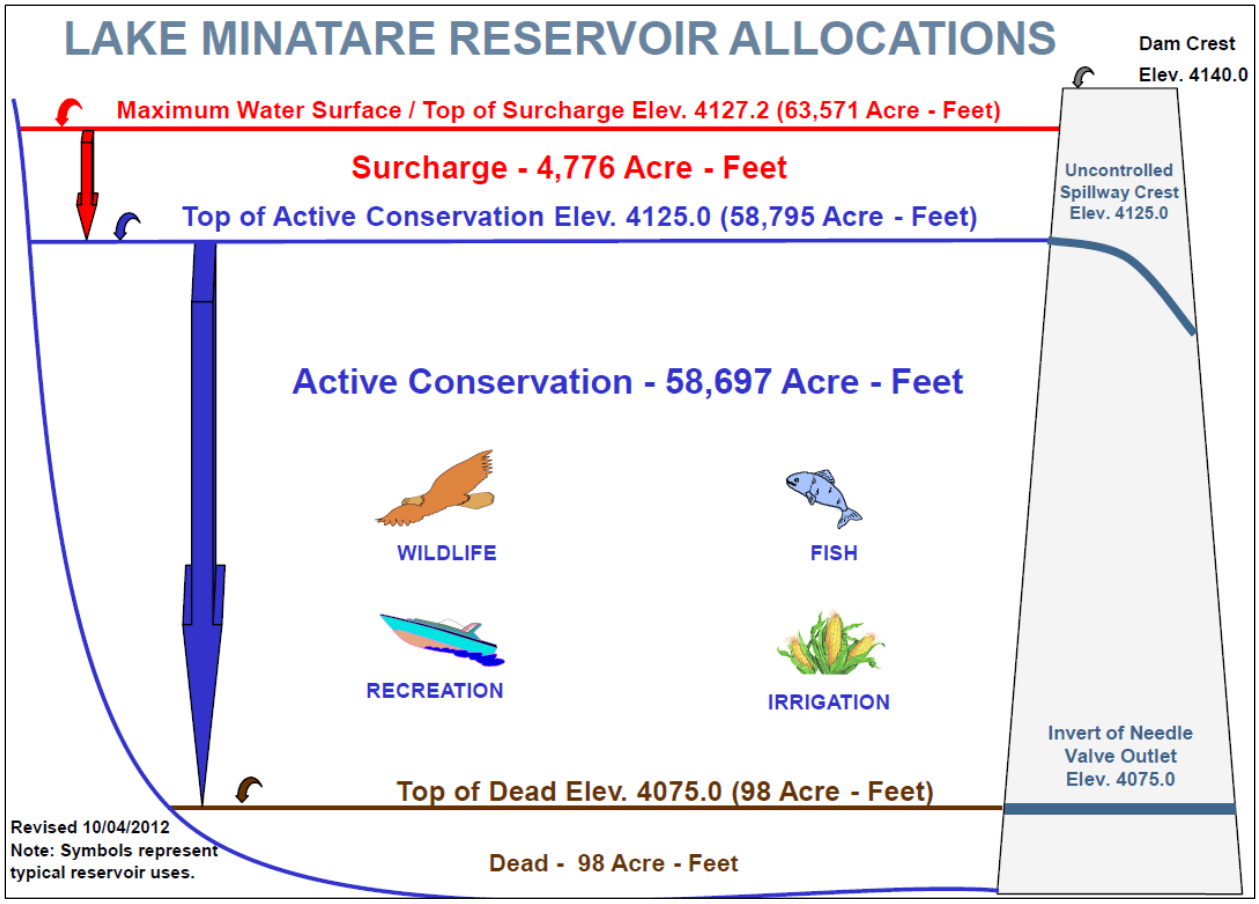


Figure 30.—Lake Minatare Reservoir allocation.

# Appendix E

Basin Map

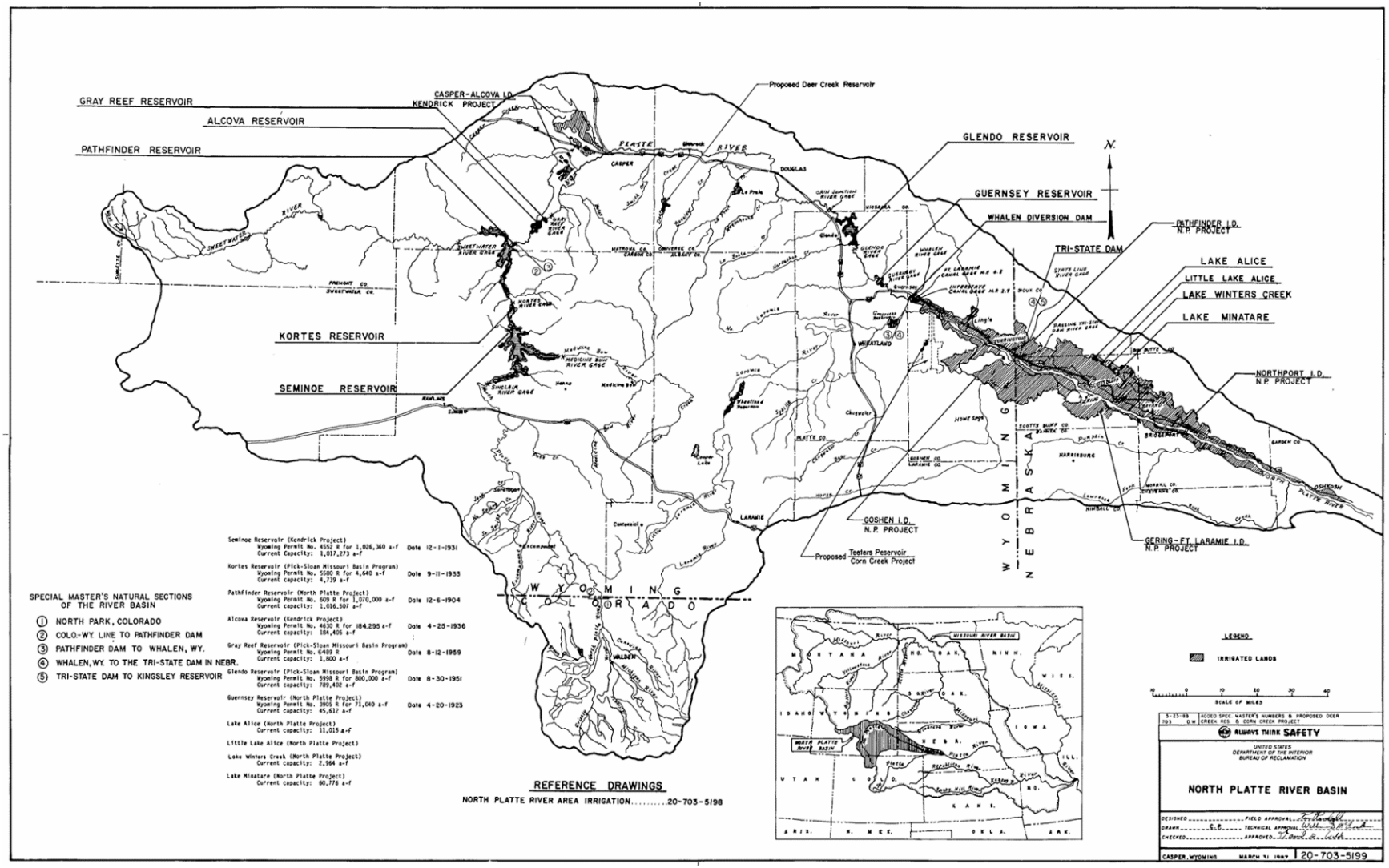


Figure E-1.—North Platte River Basin map.