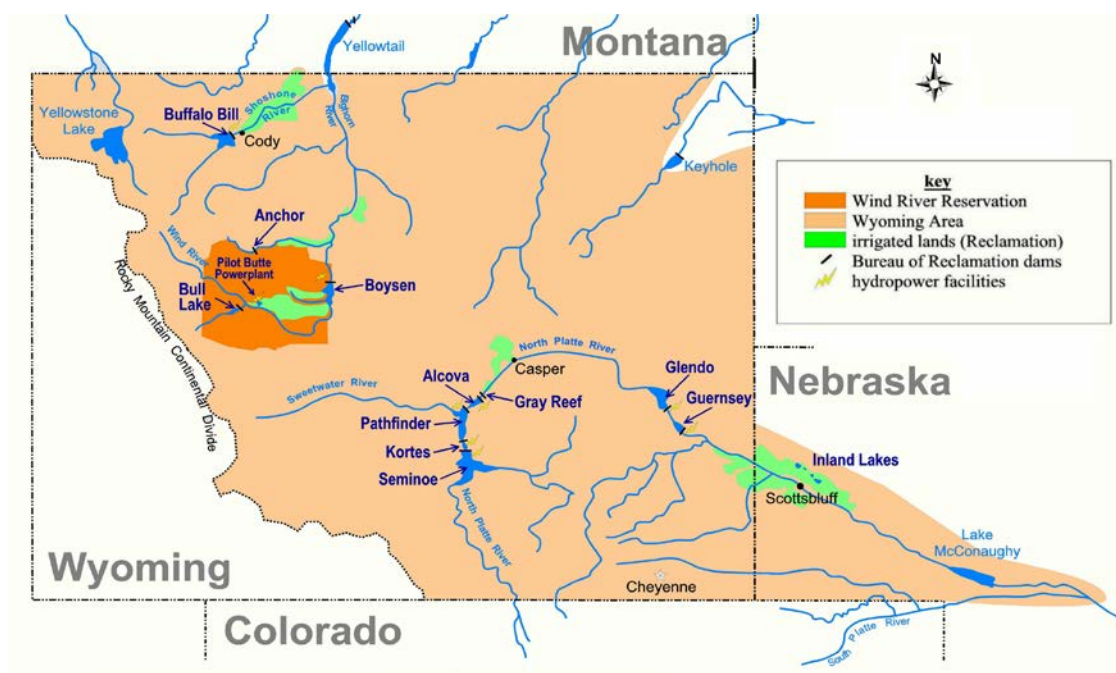


# RECLAMATION

*Managing Water in the West*

North Platte River Basin  
Water Supply and Utilization Report  
Wyoming Area Office  
Report for September 2016



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



United States of America  
Department of the Interior  
Bureau of Reclamation  
P.O. Box 1630  
Mills, Wyoming 82644-1630

**Report for September 2016  
WATER SUPPLY AND UTILIZATION REPORT  
NORTH PLATTE RIVER BASIN  
WYOMING AREA OFFICE**

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

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

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

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

1. Log on to the Great Plains Home Page at: <http://www.usbr.gov/gp>
2. On left side of page Select [Water Operations](#).
3. Under Water Operations Select [Water Management Information](#).
4. Under Water Management Select [Water Supply Report](#).
5. Under North Platte River Basin, select [Current Month or reports from the previous 12 months](#).

## NORTH PLATTE RIVER BASIN INFLOW

(1000 acre-feet)

| Reservoir                        | September Inflow |                          |           | September Historical Inflow |             |             | Accumulated Inflow (October - September) |                          |           |
|----------------------------------|------------------|--------------------------|-----------|-----------------------------|-------------|-------------|--|--------------------------|-----------|
|                                  | W. Yr. 2016      | 30 Yr. Avg. <sup>5</sup> | % of Avg. | W. Yr. 2015                 | W. Yr. 2014 | W. Yr. 2013 | W. Yr. 2016                              | 30 Yr. Avg. <sup>5</sup> | % of Avg. |
| <b>Seminole</b>                  | 14.6             | 20.7                     | 71        | 19.0                        | 46.5        | 30.4        | 1244.5                                   | 938.7                    | 133       |
| <b>Pathfinder</b> <sup>1,2</sup> | 4.1              | 3.8                      | 108       | 1.0                         | -1.5        | -0.5        | 112.8                                    | 115.0                    | 98        |
| <b>Glendo</b> <sup>3</sup>       | 5.9              | 8.8                      | 67        | 1.9                         | 7.2         | 6.4         | 364.7                                    | 208.6                    | 175       |
| <b>Guernsey</b> <sup>4</sup>     | -0.1             | 3.9                      | N/A       | 0.0                         | 3.0         | 3.6         | 67.1                                     | 34.2                     | 196       |

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

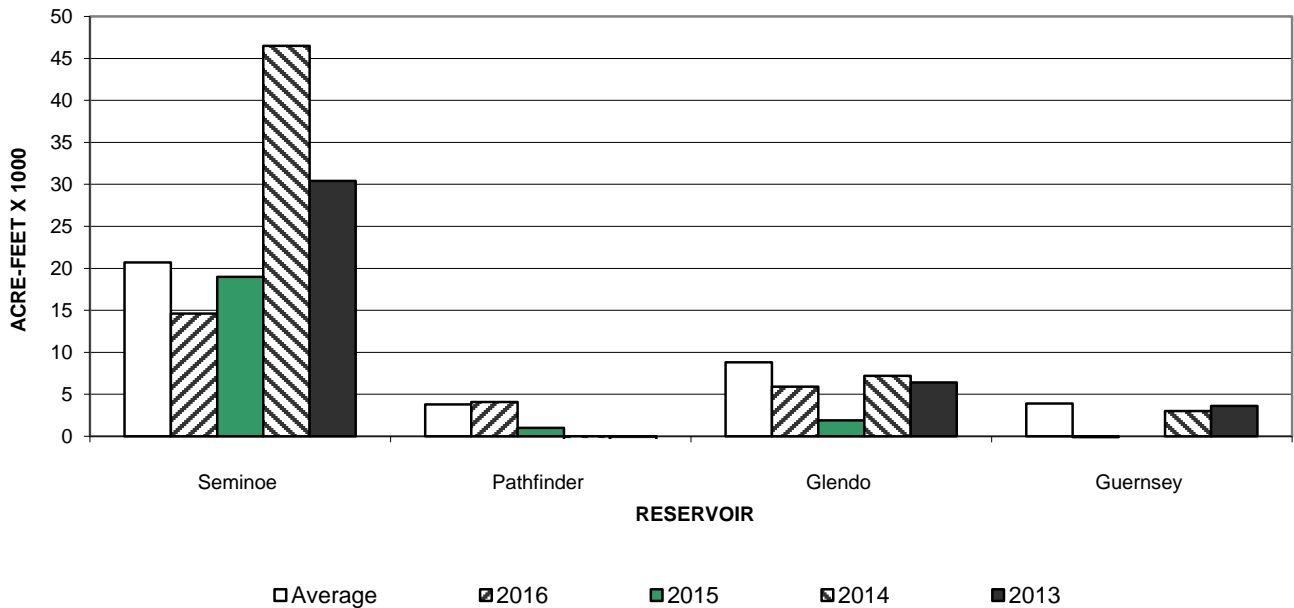
2 River gain between Kortes and Pathfinder Dams.

3 River gain between Pathfinder and Glendo Dams.

4 River gain between Glendo and Guernsey Dams.

5 30 year average. (1986-2015)

### NORTH PLATTE RIVER BASIN RESERVOIR INFLOW September



## NORTH PLATTE RIVER BASIN OUTFLOW

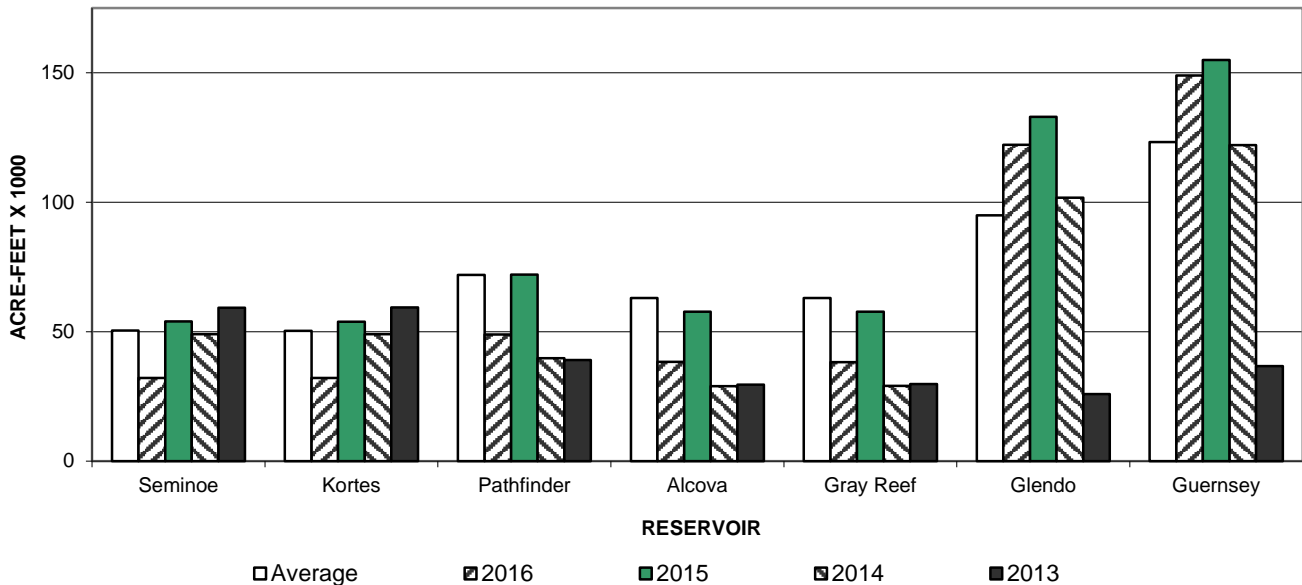
(1000 acre-feet)

| Reservoir           | September Outflow |                          |           | September Historical Outflow |             |             | Accumulated Outflow (October - September ) |                          |           |
|---------------------|-------------------|--------------------------|-----------|------------------------------|-------------|-------------|--|--------------------------|-----------|
|                     | W. Yr. 2016       | 30 Yr. Avg. <sup>2</sup> | % of Avg. | W. Yr. 2015                  | W. Yr. 2014 | W. Yr. 2013 | W. Yr. 2016                                | 30 Yr. Avg. <sup>2</sup> | % of Avg. |
| Seminole            | 32.1              | 50.4                     | 64        | 54.0                         | 49.0        | 59.3        | 1199.2                                     | 896.8                    | 134       |
| Kortes              | 32.1              | 50.3                     | 64        | 53.8                         | 49.0        | 59.4        | 1198.9                                     | 896.5                    | 134       |
| Pathfinder          | 48.9              | 71.9                     | 68        | 72.0                         | 39.8        | 39.1        | 1110.5                                     | 959.9                    | 116       |
| Alcova              | 38.3              | 63.0                     | 61        | 57.7                         | 29.0        | 29.5        | 1042.1                                     | 884.0                    | 118       |
| Gray Reef           | 38.2              | 63.0                     | 61        | 57.7                         | 29.1        | 29.8        | 1040.9                                     | 883.5                    | 118       |
| Glendo <sup>1</sup> | 122.2             | 94.9                     | 129       | 133.0                        | 101.7       | 25.9        | 1353.3                                     | 1075.0                   | 126       |
| Guernsey            | 148.9             | 123.2                    | 121       | 154.9                        | 122.1       | 36.7        | 1419.7                                     | 1085.0                   | 131       |

1 In 1993 an outlet was constructed at Glendo Dam which is used to provide a flow of approximately 25 cubic feet per second, 22 year average (1994-2015).

2 30 year average (1986-2015).

### NORTH PLATTE RIVER BASIN RESERVOIR OUTFLOW September



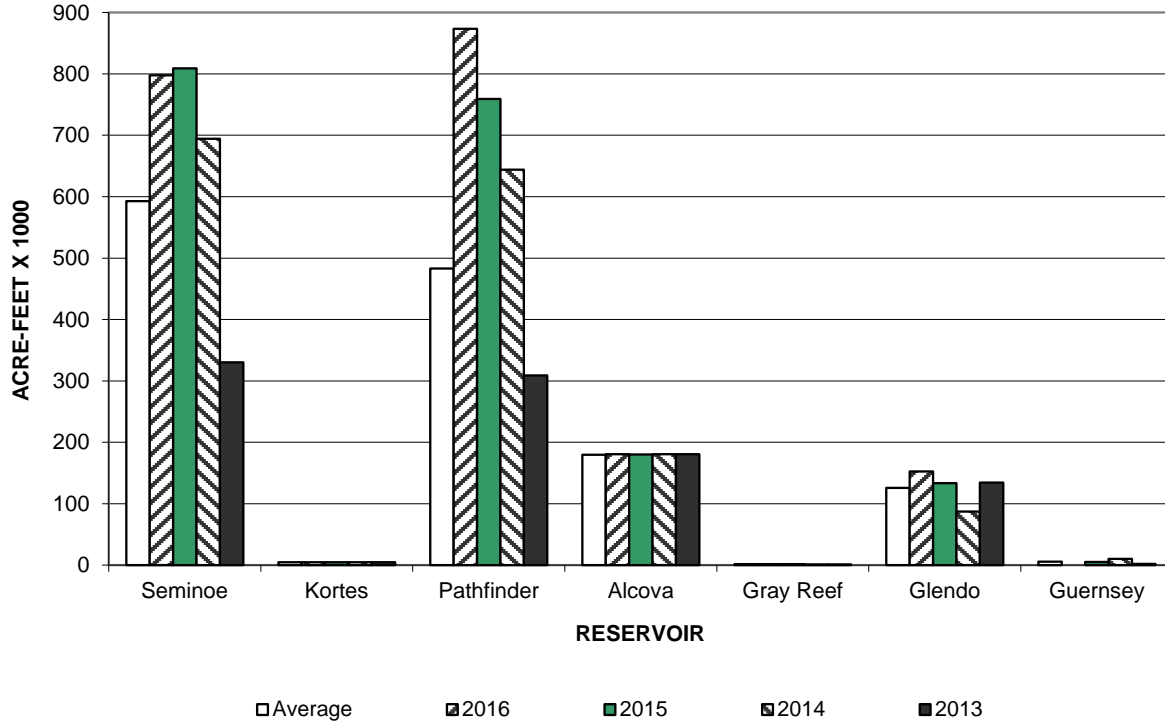
**NORTH PLATTE RIVER BASIN RESERVOIR STORAGE**

(1000 acre-feet)

| Reservoir    | Total Storage<br>End of September |                             |              | End of September<br>Historical Storage |                |                | Total<br>Conservation<br>Storage<br>Capacity | Percent<br>of<br>Capacity |
|--------------|-----------------------------------|-----------------------------|--------------|--|----------------|----------------|--|---------------------------|
|              | W. Yr.<br>2016                    | 30 Yr.<br>Avg. <sup>1</sup> | % of<br>Avg. | W. Yr.<br>2015                         | W. Yr.<br>2014 | W. Yr.<br>2013 |  |                           |
| Seminole     | 797.8                             | 592.6                       | 135          | 809.0                                  | 694.2          | 330.3          | 1017.3                                       | 78                        |
| Kortes       | 4.7                               | 4.7                         | 100          | 4.7                                    | 4.7            | 4.6            | 4.7  | 100                       |
| Pathfinder   | 873.4                             | 483.0                       | 181          | 758.9                                  | 643.9          | 309.0          | 1070.0                                       | 82                        |
| Alcova       | 180.5                             | 179.7                       | 100          | 180.2                                  | 180.5          | 180.5          | 184.4  | 98                        |
| Gray Reef    | 1.7                               | 1.4                         | 121          | 1.4                                    | 1.3            | 1.3            | 1.8  | 94                        |
| Glendo       | 152.6                             | 125.7                       | 121          | 133.6                                  | 87.1           | 134.5          | 492.0  | 31                        |
| Guernsey     | 0.0                               | 5.8                         | 0            | 5.2                                    | 10.3           | 1.9            | 45.6   | 0                         |
| <b>Total</b> | <b>2010.7</b>                     | <b>1392.9</b>               | <b>144</b>   | <b>1893.0</b>                          | <b>1622.0</b>  | <b>962.1</b>   | <b>2815.8</b>                                | <b>71</b>                 |

<sup>1</sup> Average is based on the 1986-2015 period.

**NORTH PLATTE RIVER BASIN  
RESERVOIR STORAGE  
End of September**



**NORTH PLATTE RIVER BASIN RESERVOIR STORAGE OWNERSHIP**

(1000 acre-feet)

| Ownership                 | Ownership of water<br>End of September |                             |              | End of September<br>Historical Ownership |                |                | Total<br>Storage<br>Capacity | Percent<br>of<br>Capacity |
|---------------------------|--|-----------------------------|--------------|--|----------------|----------------|------------------------------|---------------------------|
|                           | W. Yr.<br>2016                         | 30 Yr.<br>Avg. <sup>5</sup> | % of<br>Avg. | W. Yr.<br>2015                           | W. Yr.<br>2014 | W. Yr.<br>2013 |                              |                           |
| Kendrick                  | 1119.6                                 | 860.0                       | 130          | 1105.2                                   | 889.1          | 785.6          | 1201.7                       | 93                        |
| North Platte <sup>1</sup> | 694.3                                  | 390.4                       | 178          | 610.3                                    | 564.9          | 77.3           | 1115.6                       | 62                        |
| Glendo                    | 164.2                                  | 128.3                       | 128          | 152.8                                    | 150.5          | 91.8           | 171.7                        | 96                        |
| Inland Lakes <sup>2</sup> | 0.0                                    | 0.0                         | N/A          | 0.0                                      | 0.0            | 0.0            | 46.0                         | 0                         |
| Cheyenne <sup>3</sup>     | 7.9                                    | 3.4                         | 232          | 5.7                                      | 2.9            | 2.5            | 10.0                         | 79                        |
| PacifiCorp <sup>4</sup>   | 2.0                                    | 1.9                         | 105          | 2.0                                      | 2.0            | 2.0            | 2.0                          | 100                       |
| WWDC                      | 0.0                                    | 0.0                         | N/A          | 0.0                                      | 0.0            | 0.0            | N/A                          | N/A                       |
| Other <sup>6</sup>        | 22.8                                   | 6.1                         | 374          | 17.1                                     | 12.5           | 2.8            | N/A                          | N/A                       |

1 This includes North Platte Guernsey and North Platte Pathfinder.

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

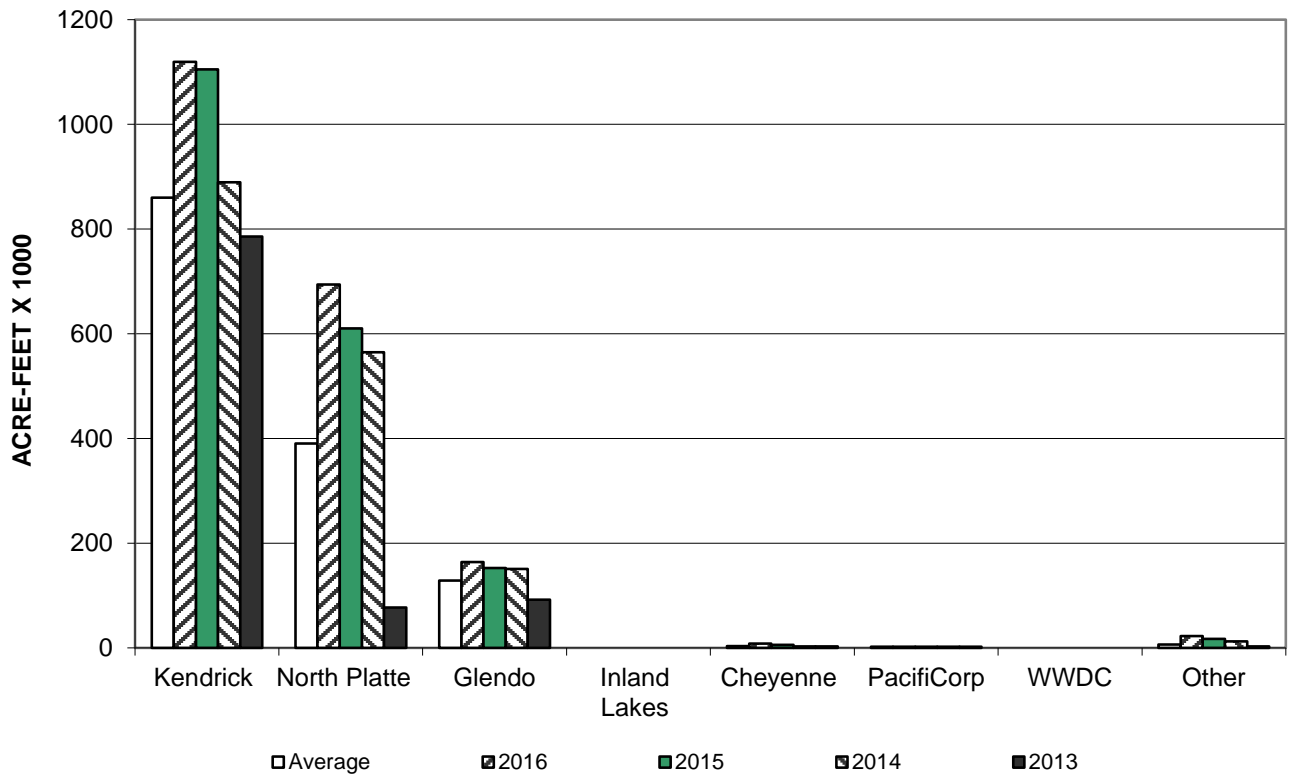
3 The City of Cheyenne has a storage contract to store water in Seminoe Reservoir by exchange of Upper North Platte Basin water through a system of trans-basin diversions

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

5 Average is based on the 1986-2015 period.

6 Water which is captured in the re-regulation space of Glendo in addition to storage rights, operational water account, and replacement of evaporation losses is labeled as "Re-regulation of Natural Flow" per Wyoming Board of Control Order Docket Number I-2000-3-8 in water Division Number One. In accordance with 2014 Natural Flow and Ownership Procedures, the operational account September contain up to 15,000 acre-feet. On September 30, 2016, the Operational account contained 14,571 Acre-feet, and the Re-Regulation space contained 8,201 Acre-feet.

**NORTH PLATTE RIVER BASIN  
OWNERSHIP OF WATER  
End of September**



**INLAND LAKES RESERVOIR STORAGE**

| Reservoir          | Total Storage<br>End of September | 30 Year<br>Average <sup>5</sup> | Percent of<br>Average | Total<br>Storage<br>Capacity |
|--------------------|-----------------------------------|---------------------------------|-----------------------|------------------------------|
| Lake Alice         | 1,350                             | 2,200                           | 61                    | 11,034 <sup>1</sup>          |
| Little Lake Alice  | 7                                 | 300 <sup>6</sup>                | 2                     | 1,166 <sup>2</sup>           |
| Lake Winters Creek | 1,350                             | 800 <sup>6</sup>                | 169                   | 1,746 <sup>3</sup>           |
| Lake Minatare      | 37,264                            | 23,500                          | 159                   | 58,795 <sup>4</sup>          |

1 At Elevation 4182.0  
 2 At Elevation 4139.0  
 3 At Elevation 4125.0  
 4 At Elevation 4125.0  
 5 30 year average. (1986-2015)  
 6 25 year average. (1991-2015)

**NORTH PLATTE RIVER BASIN GROSS GENERATION**

(Energy in giga-watt hours)

| Powerplant                  | September Gross Generation |                          |           | September Historical Generation |             |             | Accumulated Gross Gen. (October - September) |                          |           |
|-----------------------------|----------------------------|--------------------------|-----------|---------------------------------|-------------|-------------|--|--------------------------|-----------|
|                             | W. Yr. 2016                | 30 Yr. Avg. <sup>2</sup> | % of Avg. | W. Yr. 2015                     | W. Yr. 2014 | W. Yr. 2013 | W. Yr. 2016                                  | 30 Yr. Avg. <sup>2</sup> | % of Avg. |
| Seminoe                     | 4.2                        | 7.5                      | 56        | 8.3                             | 6.7         | 7.7         | 145.7  | 125.5                    | 116       |
| Kortes                      | 4.9                        | 8.4                      | 58        | 9.3                             | 7.8         | 9.0         | 143.8  | 132.4                    | 109       |
| Fremont Canyon <sup>1</sup> | 13.2                       | 17.2                     | 77        | 19.7                            | 9.7         | 8.6         | 231.3  | 211.4                    | 109       |
| Alcova                      | 4.4                        | 7.9                      | 56        | 7.7                             | 2.8         | 3.1         | 109.3  | 107.0                    | 102       |
| Glendo                      | 9.8                        | 6.2                      | 158       | 9.1                             | 6.2         | 1.6         | 100.2  | 79.6                     | 126       |
| Guernsey                    | 3.5                        | 2.6                      | 135       | 3.8                             | 3.8         | 0.6         | 18.4   | 17.7                     | 104       |

1 The powerplant for Pathfinder Dam is Fremont Canyon.

2 Average is based on the 1986-2015 period.

**NORTH PLATTE RIVER BASIN  
GROSS GENERATION  
September**

