Annual Operating Plans North Platte River Area

Water Year 1998 Summary of Actual Operations

and

Water Year 1999 Annual Operating Plans

U.S. DEPT. OF THE INTERIOR
BUREAU OF RECLAMATION
GREAT PLAINS REGION
Wyoming Area Office

TABLES

FIGURES

PREFACE

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

All references to average in this document will refer to the average of the historical record for the years 1968-1997 unless noted otherwise. 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 (referred to as the "System" in this text) is monitored and in most cases operated and managed from the Wyoming Area Office in Mills, Wyoming. The operation and management of the System is aided by the use of a Programmable Master Supervisory Control, computerized accounting process, extensive Hydromet stations, control crest measurement weirs at gaging stations, SNOTEL stations, and a snowmelt runoff forecasting procedure which is used by the Water Management Branch. The System consists of a number of individual water resource projects that were planned and constructed by Reclamation. The individual projects and features are operated as an integrated system to achieve efficiency and to produce increased multipurpose benefits. The drainage basin which affects the System covers an area from northern Colorado to southeastern Wyoming, encompassing 16,224 square miles. Storage reservoirs affected by the System include four off stream reservoirs known as the Inland Lakes in western Nebraska as shown in figure 21.

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 the period of delivery of irrigation water normally extends from May through September. The System furnishes irrigation water to over 440,000 acres of land in Wyoming and Nebraska.

The System includes the Kendrick Project in Wyoming; the North Platte Project in Wyoming and Nebraska; and the Kortes and Glendo Units of the Pick-Sloan Missouri Basin Program in Wyoming and Nebraska. Major rivers which affect the water supply in the System are the North Platte River in Colorado and Wyoming, and the Medicine Bow, and Sweetwater Rivers in Wyoming.

The System has seven main stem reservoirs. Table 1 depicts reservoir data, six of which have powerplants with a generating capacity totaling 235.2 megawatts (MW).

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 (WAPA) of the Department of Energy, headquartered in Golden, 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 WAPA.

SYSTEM PLANNING AND CONTROL

The North Platte River storage, power generation, and water delivery facilities are operated for irrigation, hydroelectric power production, municipal and industrial water supply, providing instream flows in the section of the river below Kortes Dam known as the Miracle Mile and also below Gray Reef Dam, flood control, recreation, fish and wildlife preservation, and other purposes. Each project of the System must be operated under 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, Wyoming. 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, Omaha District, Omaha, Nebraska.

Experience has proven that proper utilization of the available water resource in a system such as this can be achieved only through careful budgeting of the anticipated water supply. The technical end 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. AOPs are prepared for reasonable maximum and reasonable minimum conditions of water supply and requirements as well as for the most probable runoff conditions. The System is operated to optimize the most probable water supply and still allow changes in operation should either reasonable maximum or reasonable minimum water supply conditions occur. This flexibility is the basis of the plan. 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 total storage at the end of September for the North Platte Basin.

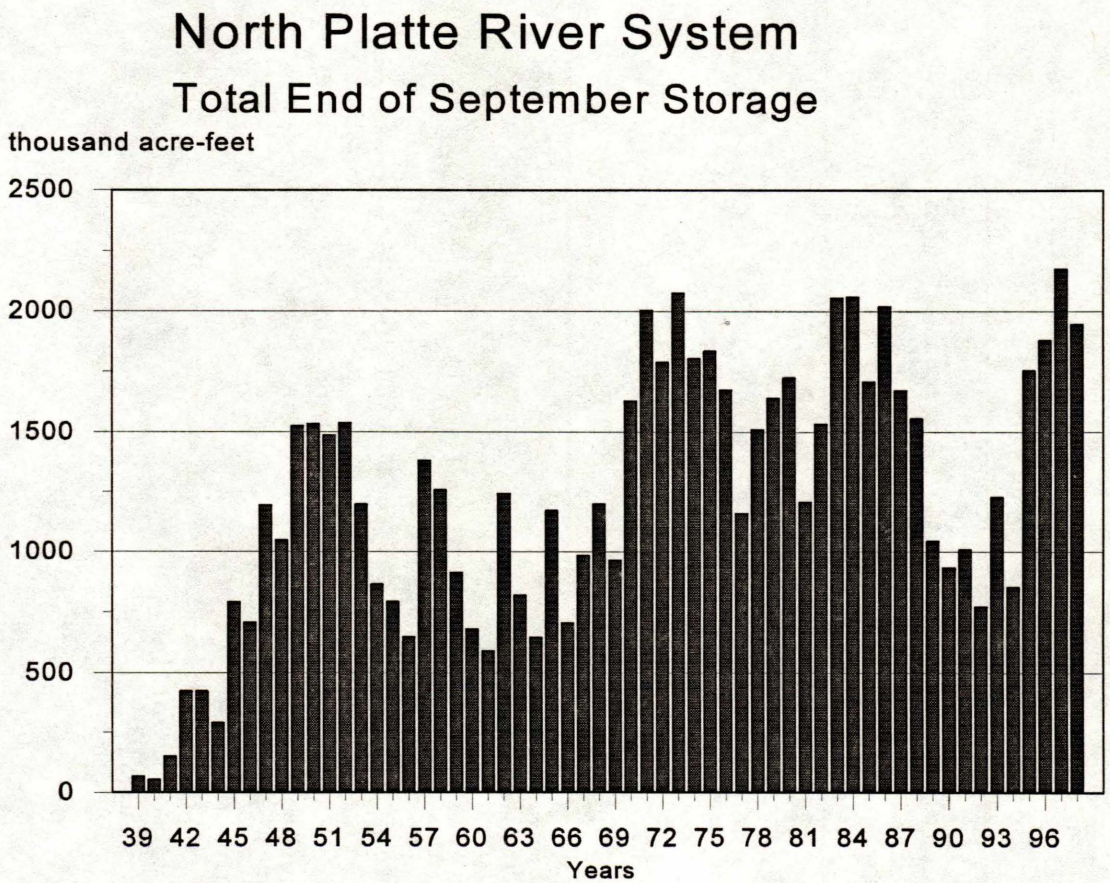

Figure 1

North Platte River Reservoir Data

Reservoir	Dead Storage 1/ acre-feet (AF)	Active Storage 2/ (AF)	Total Storage (AF)	Normal Minimum Storage (AF)	Normal Minimum Elevation
Seminoe	556	1,016,717	1,017,273	31,670	6239.00 4/
Kortes	151	4,588	4,739	1,666	6092.00 4/
Pathfinder	7	1,016,500	1,016,507	31,405	5746.00 4/
Alcova	91	184,314	184,405	137,610	5479.50 5/
Gray Reef	56	1,744	1,800	56	5312.00 6/
Glendo	11,033	778,369	789,402 3/	63,148	4570.00 7/
Guernsey	0	45,612	45,612	0	4370.00 8/
Total	11,894	2,775,927	2,787,821	281,747	

1/Storage capacity below elevation of lowest outlet
2/Total storage minus dead storage
3/Top of Conservation capacity 517,485 (elevation 4635.00), with an additional 271,917 acre-feet allocated to flood control (elevation 4653.00)
4/Top of inactive capacity, minimum water surface elevation for power generation.
5/Minimum water surface elevation for power generation. Elevation of Casper Canal gate sill is 5487.00 (153,802)
6/Top of dead capacity - spillway crest
7/Minimum water surface elevation for power generation.
8/Zero capacity and North Spillway Crest

SYSTEM OPERATIONS WATER YEAR 1998

Seminoe Reservoir Inflow

Except for the months of April, May, and June, 1998, all inflows into Seminoe Reservoir were above average. Inflows ranged from 171 percent of average in October 1997(Water Year 1998) to 76 percent in May 1998. The Actual April-July inflows total 661,700 (AF), which is 81 percent of average. The inflow into Seminoe Reservoir for May was the third lowest Seminoe inflow in the past 30 years. The inflows peaked for the year on June 18, 1998, at 7,666 cfs. Figure 2 depicts comparison of average monthly inflow and water year 1997 and 1998 monthly inflows.

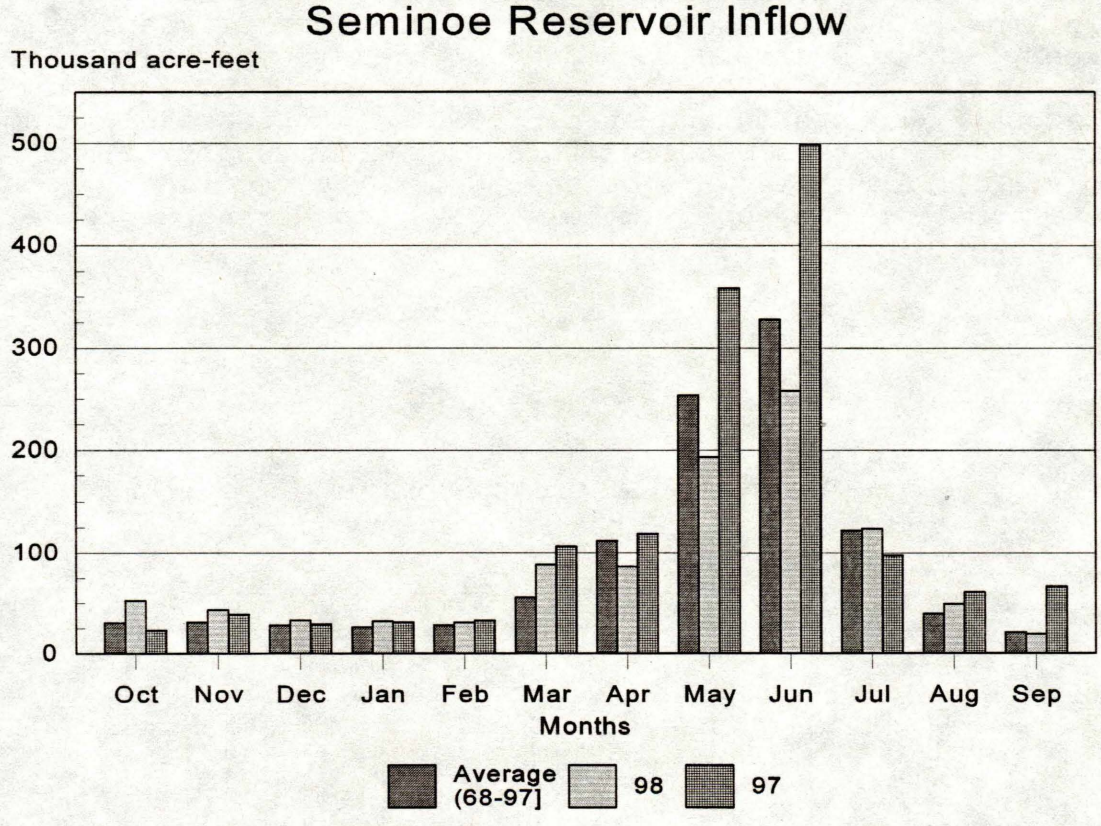

Figure 2

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 acre-feet. The powerplant contains three electrical generating units with a total capacity of 51 MW at a full release capability of about 4,000 c.f.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 c.f.s. Two 60 inch jet flow valves provide a low level river outlet flow capacity of 3,450 c.f.s.

At the start of water year 1998 Seminoe Reservoir had a storage content of 895,510 acre-feet which was 124 percent of average and 88 percent of capacity. Seminoe storage continued above average throughout the water year. The maximum Seminoe Reservoir content for the water year was reached on July 11, 1998 at 965,356 acre-feet. Except for 1997, the end of water year 1998 Seminoe Reservoir storage content of 864,546 acre-feet, was the highest end of September Seminoe storage since 1984. See Figure 3 for an end of month storage comparison for the water year. Releases were maintained at 850 cfs for the months of December, January and February. Releases were increased to average approximately 2,550 cfs during March, 1998. Releases were again increased to average about 2,650 cfs during April, 1998. These above average March and April releases were due to anticipated runoff conditions. The releases were decreased for the remainder of the Water Year and averaged approximately 1,125 cfs during September, 1998.

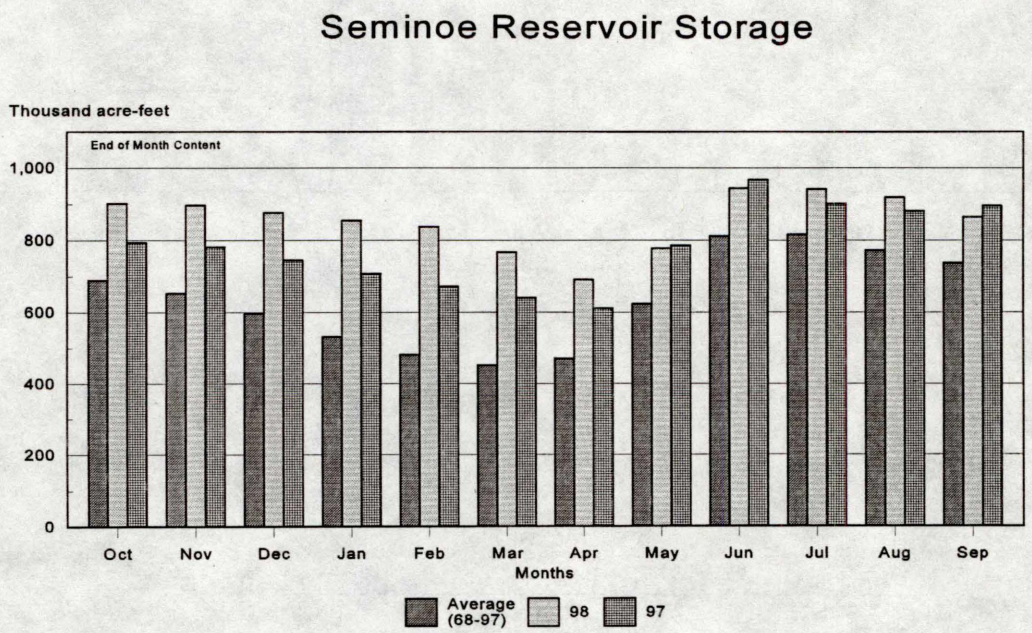

Figure 3

Kortes Reservoir Storage and Releases

Completed in 1951, Kortes Dam, Reservoir, and Powerplant of the Kortes Unit (A 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. This 4,700 acre-foot Reservoir serves as the forebay for Kortes Powerplant which has three electrical generating units with a total capacity of 37 MW and a release capability of about 3,000 c.f.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 plant 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 c.f.s.

Senate Bill 2553 which was passed in the 90th Congress authorized the modification of the operation of Kortes Dam and Powerplant to provide a minimum streamflow of 500 c.f.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".

During March 17, through April 3, 1998, some of the releases made from Seminoe Reservoir to manage the rate of fill of Seminoe Reservoir exceeded the release capacity of Kortes Powerplant and required that a total of 24,264 AF of water bypass the Kortes Powerplant. Other than these releases, all of the Kortes releases were made through the Powerplant in water year 1998. Kortes releases were maintained at 850 cfs during the months of December, January and February, 1998. Due to anticipated runoff conditions the Kortes releases were increased to average approximately 2,550 cfs for the month of March and increased again to average approximately 2,660 cfs for the month of April. The highest releases for the Water Year were made from March 25 to April 2, with a peak flow of 3,308 c.f.s. during seven of those nine days.

Gains to the North Platte River Kortes Dam to Pathfinder Reservoir

Kortes Dam to Pathfinder Reservoir river gains were only below average for the months of October, May, and June, in Water Year 1998 with all other months being well above average. The actual April-July gain was 104,900 (AF), which was 100 percent of average. The average daily gain peaked for the year on April 23, 1998 at 1,223 cfs, with the daily computed inflow peaking on March 29, 1998 at 4,847 cfs. The Kortes to Pathfinder river gains for January and February, 1998 were highest of record since the completion of Kortes Dam in 1951. For all the months of December through April and July record or near record high gains occurred. See Figure 4.

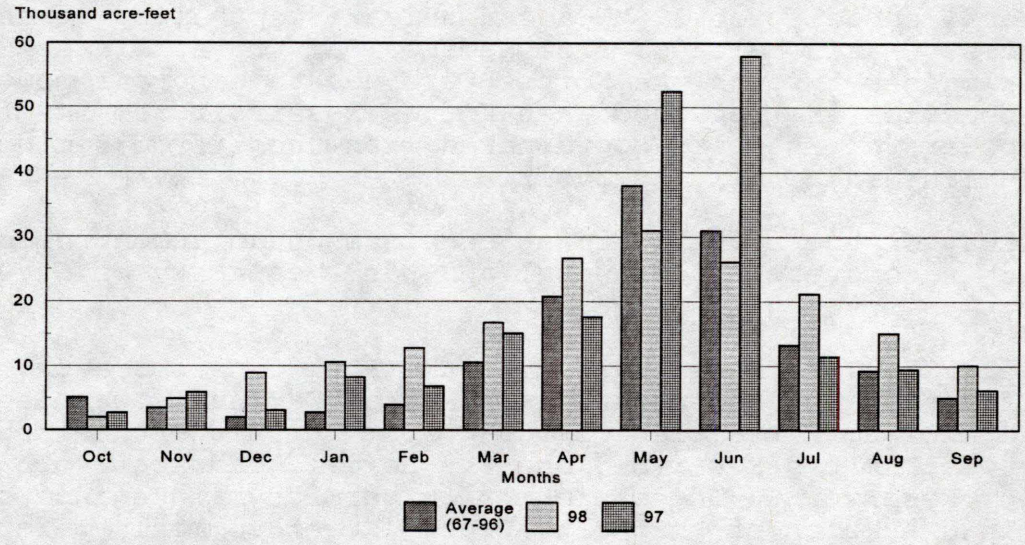

Figure 4

Pathfinder Reservoir Storage and Releases

Pathfinder Dam and Reservoir, a major storage facility of the North Platte Project, has a total capacity of 1,016,507 acre-feet. Construction of the dam was completed in 1909. Operationally, this structure is a bottleneck in the System with its restricted release capability of approximately 6,000 c.f.s. The two 60" and one 30" jet flow gates at the dam are capable of releasing 3,100 c.f.s., and depending on the elevation of the reservoir, as much as 2,900 c.f.s. can be released through the Fremont Canyon Power conduit and discharged from the Fremont Canyon turbines at the powerplant 3 miles downstream. The uncontrolled spillway is a flat-crested weir of natural rock over the left abutment of the dam. It has an estimated capacity of 65,000 c.f.s., at water surface elevation 5858.10 feet or 8 feet above the spillway crest. Fremont Canyon Powerplant, located in the canyon below Pathfinder Dam, has been reconditioned to a capacity of 66.8 MW under full reservoir operating head.

At the start of water year 1998 storage in Pathfinder Reservoir was 857,815 acre-feet, which was 172 percent of average. Pathfinder storage increased during October through March and remained well above average for the remainder of the Water Year. (See figure 5). The maximum Pathfinder Reservoir content for the water year was reached on April 2 & 3, 1998, at 996,390 acre-feet. The water year ended with 760,494 acre-feet of water in storage in Pathfinder Reservoir, which is 146 percent of average.

Very little release of water was made during the first two weeks of October to accommodate the drawdown of Alcova Reservoir to its winter operating range. On October 14, 1997, Alcova Reservoir reached its normal winter operating range of 5488.00 ± one foot allowing for normal operations from Pathfinder Reservoir. The November through January Pathfinder releases averaged approximately 580 c.f.s. A release from the Pathfinder Dam outlet works was initiated on March 10, 1998 and continued until April 28, 1998, in order to move water through the system in anticipation of runoff.

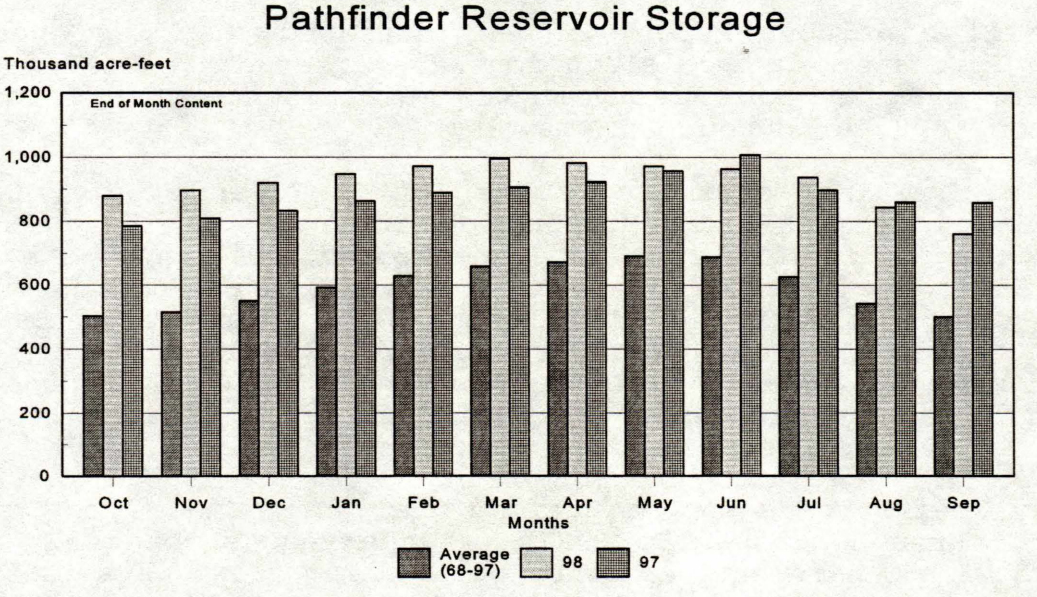

Figure 5

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 acre-feet at elevation 5500 feet, of which only the top 30,600 acre-feet 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 c.f.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 c.f.s. at a reservoir level of 5500 feet. The Reservoir is operated within a 2 foot range during summer and winter but at levels 10 feet apart. A higher operating level is maintained during the summer months to provide adequate head on the Casper Canal and accommodate recreation use, while the lower winter operating level reduces the potential for ice damage to the canal gate and boat docks.

The annual drawdown of Alcova Reservoir began on October 2, 1997, and continued through October 14, 1997, when Alcova reached its normal winter operating range of 5488.00 ± one foot.

The refill of Alcova Reservoir was initiated the first week of April. The water surface elevation was raised above 5497 feet on April 18, 1998 and the Reservoir was maintained within 1 foot of elevation 5498 throughout the summer.

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 earthfill structure located about 2.5 miles below Alcova Dam. The Reservoir has an active capacity of 1,744 acre-feet. Gray Reef Dam was constructed to provide a small reservoir to re-regulate releases from Alcova Dam which provides flows acceptable to irrigation, municipal, industrial, and fish and wildlife interests along the 147 miles of river between Alcova and Glendo Dams.

The Gray Reef release was maintained near 600 c.f.s. from October 1, 1997, through October 5, 1997. At the request of the Wyoming Game and Fish Department, a series of flushing flows were initiated on October 6, 1997 and continued through October 10, 1997. At the completion of the flushing flows, releases from Gray Reef were then decreased to 575 cfs and remained at that rate until March 1, 1998. The Gray Reef releases were rapidly increased to about 3,000 cfs by mid-March, 1998, in order to move more water through the system in anticipation of runoff. Releases for the remainder of the water year were adjusted to manage upstream inflows from snowmelt runoff and to meet irrigation demands below Guernsey Reservoir. The largest release for the water year of 3,069 c.f.s. occurred on March 13, 1998.

Gains to the North Platte River
Alcova Dam to Glendo Reservoir

River gains from Alcova Dam to Glendo Reservoir were below average from October through December, with January through April, being above average. The actual April-July gain was 55,300 (AF), which was 35 percent of average. River gains peaked on March 26, 1998 at 1,145 cfs with the daily computed Glendo inflow peaking on April 28, 1998 at 4,237 cfs. See Figure 6.

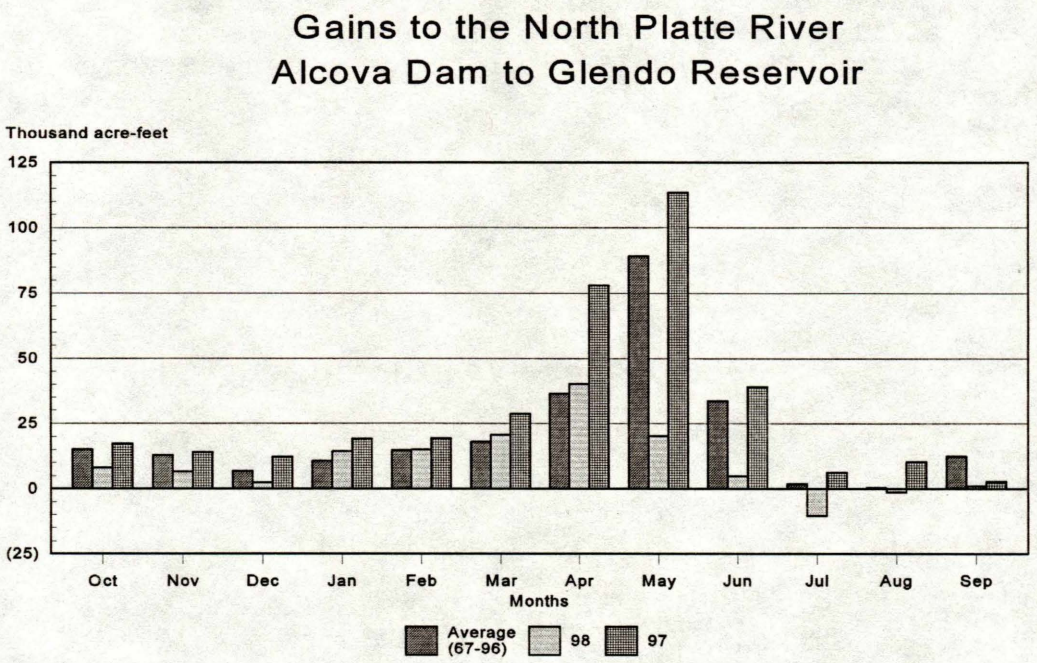

Figure 6

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 789,402 acre-feet, including 271,917 acre-feet allocated to flood control. Glendo Powerplant consists of 2 electrical generating units, with a total installed capacity of 38 MW at the full release capability of 3,500 c.f.s. The river outlet capacity is 6,600 c.f.s. when the powerplant is operating. If the powerplant is not operating, 13,000 c.f.s. can be released through the river outlet. The uncontrolled spillway, located on the right abutment, has a crest elevation of 4653.00 feet and discharge capacity of about 10,000 c.f.s. at approximately 4660.0 feet.

There is an outlet works at the Dam which consists of a 30 inch pipe through the right abutment of the Dam near the spillway. A butterfly valve controls the release of water. The outlet was constructed to provide year round flow below Glendo Dam for fishery purposes. A release of 25 c.f.s. was maintained from the outlet throughout the water year.

Reservoir storage of 235,747 acre-feet at the end of the day on September 30, 1997, began the 1998 water year with Glendo storage about 142,147 acre-feet above average. Water releases from Glendo Reservoir were initiated on February 22, in order to refill Guernsey Reservoir in preparation of releases. The Reservoir reached a maximum storage for the year of 500,927 acre-feet (elevation 4633.64 feet) on June 16, 1998. At the end of the water year, Glendo Reservoir contained 124,063 acre-feet of water (water surface elevation 4685.85 feet) which was 133 percent of average. Figure 7 depicts 1998 and 1997 end of month reservoir storage compared to average.

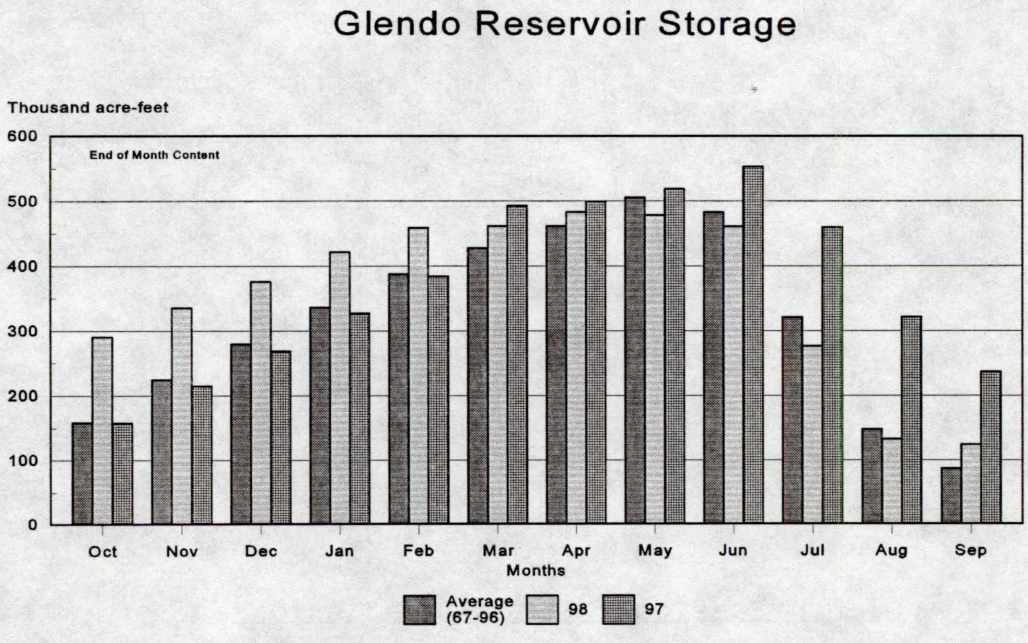

Figure 7

Gains to the North Platte River
Glendo Dam to Guernsey Reservoir

Except for the months of February, May, June and July, the river gains between Glendo Dam and Guernsey Reservoir were above average for the entire Water Year. The actual April-July gain was 15,800 AF, which was 58 percent of Average. On July 25, 1998, daily computed inflow to Guernsey Reservoir peaked at 7,836 cfs. See Figure 8 for the monthly total gains for the water year.

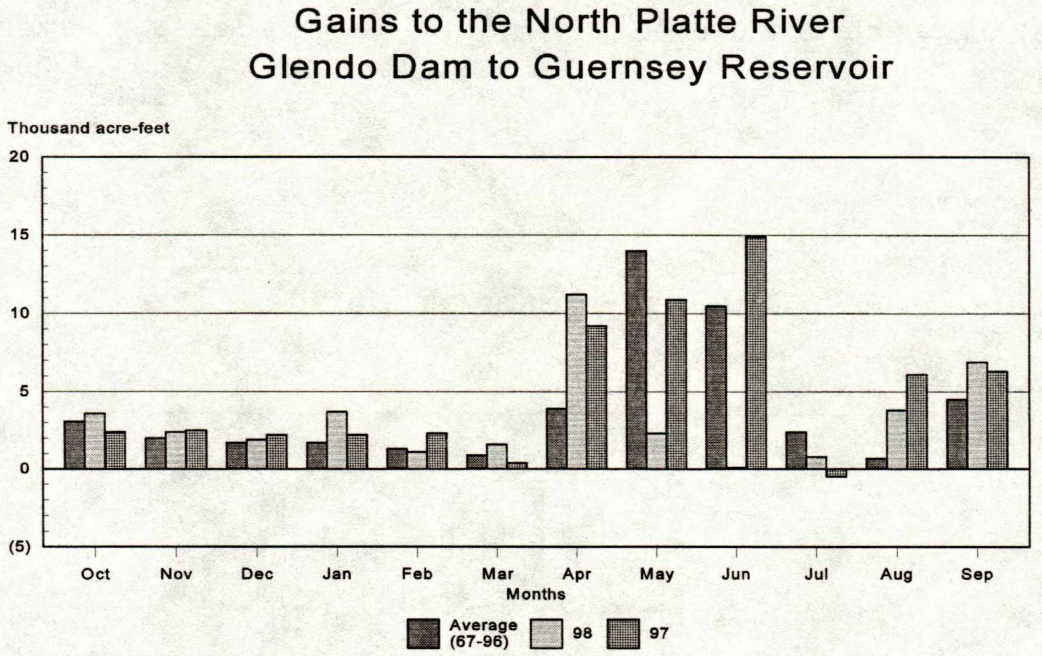

Figure 8

Guernsey Reservoir Storage and Releases

The Reservoir, located about 25 miles below Glendo Dam, again 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 c.f.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 c.f.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 acre-feet, but this has been greatly reduced by deposition of silt. Utilizing data from the 1980 Sedimentation Survey of Guernsey Reservoir, the March 1982 capacity tables show about 45,600 acre-feet of available storage.

At the end of the irrigation season, September 30, 1997, Guernsey Reservoir was drawn down to only 9 acre-feet, in order to provide maintenance to the spillway gates and to inspect and flush the Reservoir stilling well intake line after which storage was reinitiated. Guernsey Reservoir releases were started on March 5, 1998 to create space in the upstream reservoirs in anticipation of the expected above average runoff. The annual "silt run" from the Reservoir was initiated on July 10 and continued for 14 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 781 acre-feet occurred on July 21. Following the "silt run," the Reservoir was refilled to 31,632 acre-feet by July 31, 1998. See Figure 9 for 1998 and 1997 end of month storage for the water year compared to average.

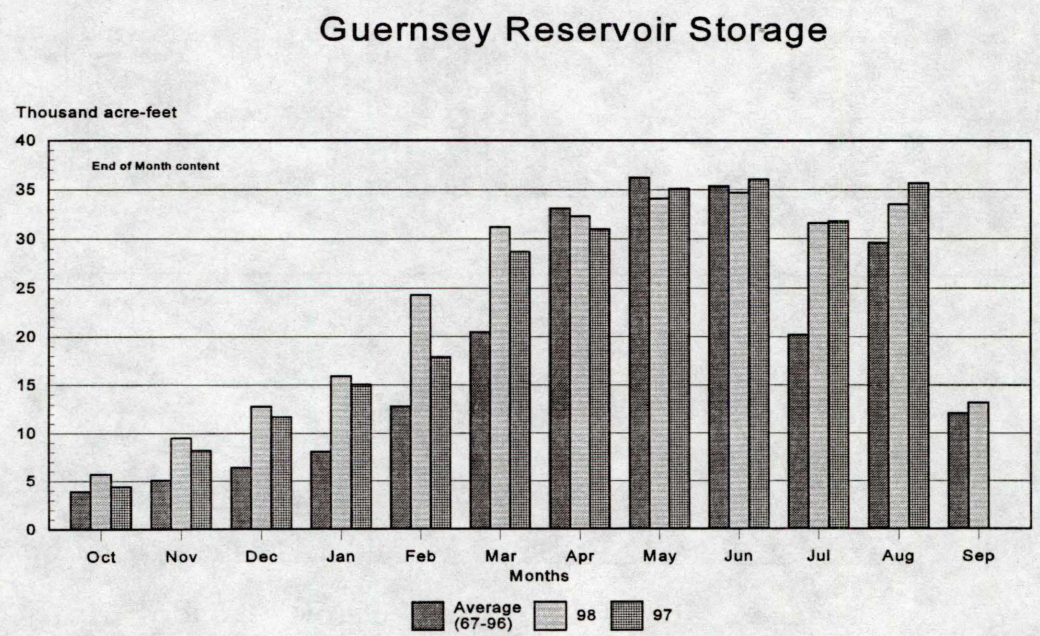

Figure 9

1997 Precipitation

Although the precipitation was quite variable from month to month throughout the North Platte River Basin, all four watersheds had near or above average total precipitation for water year 1998. In the Pathfinder watershed, the March precipitation at the Lander, Wyoming, weather station was the 3rd highest of record in 98 years and the Muddy Gap, Wyoming, weather station recorded the highest March precipitation in 38 years. In the Glendo watershed, the May precipitation at the Casper, Wyoming, weather station recorded the 3rd lowest May precipitation in the last 30 years. In the Guernsey watershed, the May precipitation at the Glendo Dam, Wyoming, weather station recorded the 4th lowest May precipitation in the last 30 years. In the Seminoe watershed, the Saratoga, Wyoming, weather station recorded the highest June precipitation and the Walden, Colorado, weather station recorded the 2nd highest June precipitation in the last 30 years. In the Pathfinder watershed, the Muddy Gap, Wyoming, weather station recorded the highest June precipitation and the South Pass, Wyoming, weather station recorded the 2nd highest June precipitation in the last 30 years. See Figure 10 for a comparison of the last four Water Years to average. See table 2 for monthly comparison of precipitation.

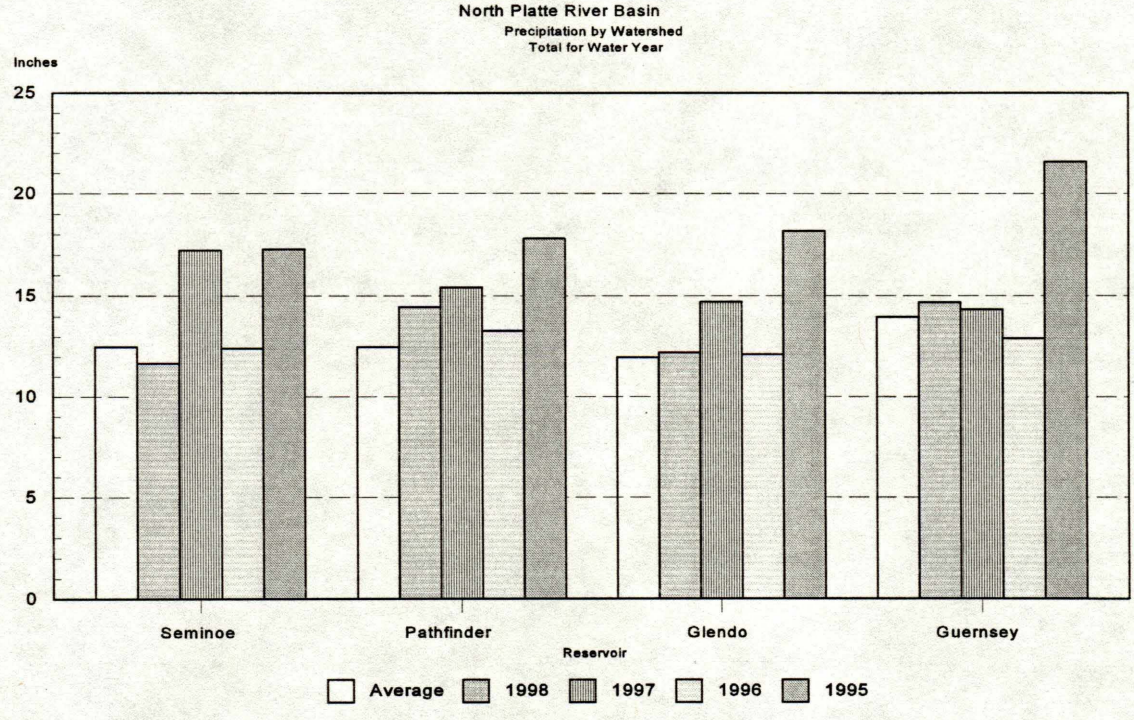

Figure 10

Table 2

North Platte River Basin Precipitation by Watershed

Month	SEMINOE WATERSHED Precip in Inches	SEMINOE WATERSHED Percent of Average	PATHFINDER WATERSHED Precip in Inches	PATHFINDER WATERSHED Percent of Average	GLENDO WATERSHED Precip in Inches	GLENDO WATERSHED Percent of Average	GUERNSEY WATERSHED Precip in Inches	GUERNSEY WATERSHED Percent of Average
October	1.07	96	0.90	86	0.76	84	1.51	154
November	0.30	33	0.38	44	0.09	13	0.30	48
December	0.38	50	0.93	126	0.68	142	0.32	74
January	0.63	89	0.83	120	0.58	135	0.30	86
February	0.71	104	0.62	105	0.62	127	0.87	217
March	0.95	102	2.54	244	1.11	137	1.26	166
April	0.82	68	1.04	68	1.12	72	1.40	82
May	0.93	57	1.08	52	1.09	48	1.16	45
June	2.49	211	2.98	261	2.41	165	2.12	97
July	1.84	144	1.12	98	1.32	106	1.91	110
August	0.89	83	0.82	122	1.37	183	2.49	222
September	0.67	64	1.22	127	1.07	119	1.04	93
Water Year	11.68	93	14.46	116	12.22	102	14.68	105

1998 Ownerships

At the start of water year 1998, the North Platte Project ownership (includes North Platte Pathfinder and North Platte Guernsey), contained 810,118 acre-feet of water, which is 183 percent of average. The Kendrick ownership contained 1,156,102 acre-feet of water, which is 126 percent of average; and the Glendo ownership contained 168,362 acre-feet of water, which is 119 percent of average. The North Platte Guernsey ownership filled on February 21, 1998. The Glendo ownership filled on March 24, 1998. The North Platte Pathfinder ownership filled on February 11, 1998. The Kendrick ownership filled on March 23, 1998. The North Platte Inland Lakes ownership filled on April 15, 1998. 50,000 AF of Kendrick ownership was transferred on March 14 to the Excess Water account to be used for early release from the system and another 50,000 AF was transferred on March 22, 1998. The 100,000 AF of water was returned from the Excess Water account to the Kendrick Ownership account on a daily basis on April 30, 1998 through May 21, 1998.

The total amount of water stored at the end of water year 1998 in the mainstem reservoirs for use in water year 1999 was 1,945,921 acre-feet . This total does not include 24,133 acre-feet of water remaining in the four Inland Lakes in Nebraska.

At the end of water year 1998, the North Platte Project ownership (includes North Platte Pathfinder and North Platte Guernsey), contained 615,312 acre-feet of water and the Glendo ownership contained 169,296 AF of water. Except for September, 1997, the Kendrick ownership at the end of September of 1,148,619 acre-feet, was the highest since 1984. See Figure 11 for the last three water years ownership carryover compared with average and capacity. Table number 3 shows a summary of ownership for water year 1998.

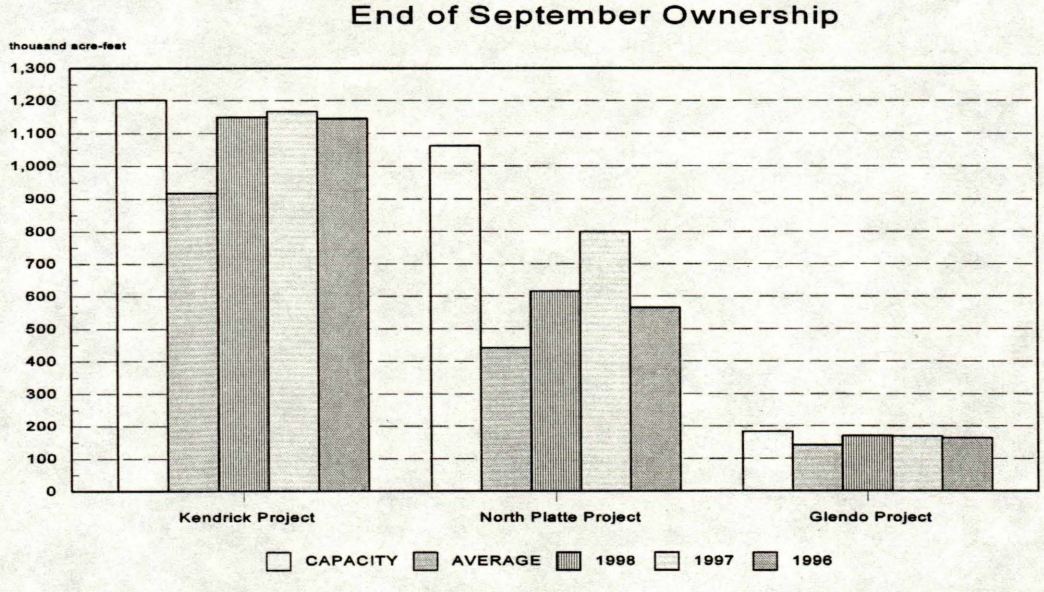

Figure 11

Summary of North Platte River System Ownerships for Water Year 1998 (Acre-feet)

MONTHS	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
PATHFINDER OWNERSHIP														
ACCRUAL A/		57648	51027	45015	52359	15405	0	0	15983 A/	13067 A&C/	7344 C/	0	0	257848
EVAPORATION		2487	835	1141	1134	1639	1882	5234	10261	9184	11762	10291	7354	63204
DELIVERY B/		0	0	0	0	0	0	0	0	0	27721	218281	133130	379132
OWNERSHIP	799800	854961	905153	949027	1000252	1014018	1012136	1006902	1012624	1016507	984368	755796	615312	
KENDRICK OWNERSHIP														
ACCRUAL		0	0	0	0	12877	31288	30079	87703	17952 C/	6694 C/	0	0	186593
EVAPORATION		2936	940	1228	1188	1679	3752	5024	9406	8170	10984	9000	7913	62220
DELIVERY B/		0	0	0	10318 E/	0	94705 E/	5295 E/	0	0	7913	13399	10544	142174
OWNERSHIP	1166420	1163484	1162544	1161316	1149810	1161008	1093839	1113599	1191896	1201678	1189475	1167076	1148619	
GLENDO OWNERSHIP														
ACCRUAL		0	0	0	0	3875	12294	299	2598	7841 C/	2141 C/	0	0	29048
EVAPORATION		1779	588	328	285	83	1794	1952	2420	2804	2949	2558	2180	19720
DELIVERY & LOSS B/		0	1	2	0	0	0	0	26	122	2023	1070	5150	8394
OWNERSHIP	168362	166583	165994	165664	165379	169171	179671	178018	178170	183085	180254	176626	169296	
PACIFIC POWER & LIGHT														
ACCRUAL		0	0	0	0	0	0	0	298	272	27	29	27	653
DELIVERY B/		0	0	0	0	0	0	0	0	0	0	0	0	0
EVAPORATION		13	3	1	1	126	182	215	13	16	27	29	27	653
INSTORAGE	2000	1987	1984	1983	1982	1856	1674	1459	1744	2000	2000	2000	2000	
GUERNSEY OWNERSHIP														
ACCRUAL		0	0	3783	15302	26648	0	0	792	2242 C/	655 C/	0	0	49422
EVAPORATION		0	0	14	59	76	241	602	1141	1022	888	0	0	4043
DELIVERY B/		0	0	0	0	0	0	0	0	0	45379	0	0	45379
OWNERSHIP	0	0	0	3769	19012	45584	45343	44741	44392	45612	0	0	0	

Summary of North Platte River system Ownerships for Water Year 1998 (acre-feet)

MONTHS	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
INLAND LAKES OWNERSHIP														
ACCRUAL		11708	8859	0	0	0	0	25861	0	0	0	0	0	46428
EVAPORATION		105	95	57	36	29	61	163	28	0	0	0	0	574
TRANSFER D/		156	0	0	0	0	0	28362	17336	0	0	0	0	45854
OWNERSHIP	0	11447	20211	20154	20118	20089	20028	17364	0	0	0	0	0	
CITY OF CHEYENNE														
ACCRUAL		1372	3459	1994	4	9	11	45	209	1532	1156	882	751	11424
EVAPORATION		1	0	4	4	9	11	45	75	9	7	18	24	207
DELIVERY B/		0	0	0	0	0	0	0	6539	4042	757	40	0	11378
OWNERSHIP	3180	4551	8010	10000	10000	10000	10000	10000	3595	1076	1468	2292	3019	
EXCESS WATER														
ACCRUAL		0	0	0	0	554	123716 E/	36143 E/	119262	161694	114	0	0	441483
EVAPORATION		176	79	47	41	1096	111	119	27	460	627	160	133	3076
RELEASED		50	0	0	0	0	99492	92980	106117	38096	124057	2585	3015	466392
OWNERSHIP	35660	35434	35355	35308	35267	34725	58838	1882	15000	138138	13568	10823	7675	

A/ In 1992 the Wyoming State Engineer granted an exchange which allows Pacificorp to exchange direct flows in the winter months (Oct.-Apr.) 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 Pacificorp. In exchange, starting on May 1 Pacificorp allows some of its available direct flow to pass downstream to Glendo Reservoir to be stored as Pathfinder ownership to make up for the winter direct flows that Pathfinder could have stored but allowed to pass downstream to Pacificorp. On February 11, 1998, Pathfinder ownership filled to 1,015,371 AF; this amount plus the remaining Pacificorp exchange water of 1,136 AF completed the fill of the ownership to 1,016,507 AF. The exchange water was returned to Pathfinder at a rate of 26 AF daily starting on May 1, 1998 until June 18, 1998, when the last 18 AF of the exchange water was returned.

B/ Amounts shown as delivery are storage water only. Natural flow which was delivered is not shown in this table.

C/ In accordance with 1998 North Platte River Ownership and Natural Flow Accounting Procedures, ownerships were allowed to refill water lost to evaporation from excess until July 18, 1998.

D/ Transfer refers to Inland Lakes ownership water which was transferred from storage in Glendo or Guernsey. In October, 156 acre-feet was transferred to the Inland Lakes. In April and May, 28,362 acre-feet and 17,336 acre-feet were transferred to the Inland Lakes respectively. (45,844 acre-feet transferred in April and May Plus the 156 acre-feet transferred in October, 1997 = 46,000)

E/ 44,705 Acre-feet of Kendrick ownership was transferred to the Excess Water account on March 14, and on March 22, 1998 50,000 acre-feet was transferred to the Excess Account. On April 13, 1998 a correction to the daily water accounting added 5,295 acre-feet to the transfer making the March 14, 1998 total equal to 50,000 acre-feet. Starting on April 30, 1998 until May 22, 1998 on a daily basis the Excess Water Account returned the borrowed water to Kendrick Ownership.(A total of 100,000 Acre-feet was transferred and returned).

F/ Revised to show a correction of computer error on September 15, 1997.

HYDROLOGY OPERATIONS

Seminoe Reservoir Operations Initial Content 864.5 kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Total Inflow	kaf	52.4	43.3	32.9	32.4	31.0	88.1	86.4	193.3	258.1	123.9	49.4	19.4	1010.6
Total Inflow	cfs	853	727	536	527	558	1433	1451	3143	4338	2014	804	326	
Turbine Release	kaf	43.5	47.9	52.3	52.4	47.2	157.8	158.6	100.0	86.4	116.6	64.8	66.9	994.4
Jetflow Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
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
Total Release	kaf	43.5	47.9	52.3	52.4	47.2	157.8	158.6	100.0	86.4	116.6	64.8	67.0	994.5
Total Release	cfs	707	805	850	852	850	2567	2665	1627	1452	1896	1053	1126	
Evaporation	kaf	2.3	0.7	1.0	0.9	1.3	1.4	3.8	6.5	6.5	9.0	7.4	6.4	47.2
End-month content	kaf	902.1	896.8	876.6	855.7	838.1	767.0	691.0	777.7	943.0	941.2	918.5	864.5	
End-month elevation	ft	6351.1	6350.8	6349.7	6348.4	6347.4	6343.3	6338.4	6343.9	6353.2	6353.1	6351.9	6349.0	
Generation	gwh	7.7	8.6	9.7	9.7	8.7	27.2	27.5	17.3	15.3	20.8	11.6	12.1	176.2

Kortes Reservoir Operations Initial Content 4.7 kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Total Inflow	kaf	43.5	47.9	52.3	52.4	47.2	157.8	158.6	100.0	86.4	116.6	64.7	67.0	994.4
Turbine Release	kaf	43.5	47.7	52.3	52.4	47.2	136.4	155.6	100.0	86.4	116.5	64.7	67.0	969.7
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	21.2	3.1	0.0	0.0	0.0	0.0	0.0	24.3
Total Release	kaf	43.5	47.7	52.3	52.4	47.2	157.6	158.7	100.0	86.4	116.5	64.7	67.0	994
Total Release	cfs	707	801	851	852	851	2564	2667	1627	1452	1895	1053	1126	
Generation	gwh	8.0	8.5	9.5	9.5	8.7	22.7	26.1	17.7	14.9	20.2	11.7	12.1	169.6

HYDROLOGY OPERATIONS

Pathfinder Reservoir Operations Initial Content 760.5 kaf

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Sweetwater Inflow kaf	3.7	4.2	4.3	3.8	3.8	9.0	14.8	19.3	16.0	10.8	6.4	3.0	99.1
Kortes-Path Gain kaf	2.0	4.9	8.9	10.6	12.8	16.7	26.7	30.9	26.1	21.2	15.1	10.1	186.0
Inflow from Kortes kaf	43.5	47.7	52.3	52.4	47.2	157.6	158.7	100.0	86.4	116.5	64.7	67.0	994
Total Inflow kaf	45.5	52.6	61.2	63.0	60.1	174.3	185.4	130.9	112.5	137.7	79.7	77.1	1180.0
Total Inflow cfs	740.	883.	995.	1024.	1081.	2835.	3115.	2129.	1891.	2239.	1297	1296	
Turbine Release kaf	22.2	34.7	35.8	35.0	33.9	129.3	165.6	132.1	111.6	153.4	163.7	151.4	1168.7
Jetflow Release kaf	0.0	0.0	0.0	0.0	0.0	18.8	27.6	0.0	0.0	0.0	0.0	0.0	46.4
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
Total Release kaf	22.2	34.7	35.8	35.0	33.9	148.1	193.2	132.1	111.6	153.4	163.7	151.4	1215.1
Total Release cfs	362.	584.	582.	570.	610.	2408.	3246.	2148.	1876.	2494.	2662	2545	
Evaporation kaf	2.5	0.8	1.1	1.1	1.6	1.9	5.4	10.2	8.8	11.3	9.6	8.0	62.3
End-month content kaf	878.6	895.7	920.0	946.8	971.4	995.7	982.6	971.2	963.3	936.4	842.8	760.5	
End-month elevation ft	5843.5	5844.4	5845.6	5846.9	5848.0	5849.2	5848.5	5848.0	5847.6	5846.4	5841.7	5837.3	
Generation Fremont gwh	6.1	10.3	10.3	10.3	8.7	35.1	42.4	39.6	33.3	45.4	47.5	43.2	332.2

Alcova Reservoir Operations Initial Content 177.8 kaf

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Total Inflow kaf	22.2	34.7	35.8	35.0	33.9	148.1	193.2	132.1	111.6	153.4	163.7	151.4	1215.1
Total Inflow cfs	362	584	582	570	610	2408	3246	2148	1876	2494	2662	2545	
Turbine Release kaf	46.9	34.0	35.3	35.3	31.9	146.2	173.2	113.1	99.4	135.6	147.6	142.9	1141.4
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
Casper Canal Release kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.9	10.8	17.8	13.4	10.8	68.7
Total Release kaf	46.9	34.0	35.3	35.3	31.9	146.2	173.2	129.0	110.2	153.4	161.0	153.7	1210.1
Total Release cfs	762	571	575	575	575	2379	2910	2095	1852	2495	2618	2583	
Evaporation kaf	0.3	0.1	0.1	0.1	0.2	0.2	0.6	1.2	1.0	1.3	1.2	1.0	7.3
End-month content kaf	155.4	156.0	156.3	155.9	157.7	159.3	178.7	180.6	181.0	179.6	181.0	177.8	
End-month elevation ft	5487.7	5488.0	5488.1	5487.9	5488.7	5489.5	5497.7	5498.4	5498.6	5498.0	5498.6	5497.3	
Generation gwh	5.7	4.1	4.3	4.2	3.8	19.1	23.6	15.3	13.3	18.4	20.4	19.7	151.9

Gray Reef Reservoir Operations Initial Content 1.1 kaf

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Total Inflow kaf	46.9	34.0	35.3	35.3	31.9	146.2	173.2	113.1	99.4	135.6	147.6	142.9	1141.4
Total Inflow cfs	762	571	574	575	575	2379	2910	1840	1671	2206	2401	2401	
Total Release kaf	46.9	34.2	35.4	35.4	31.8	146.2	173.2	113.6	99.3	135.2	147.6	142.9	1141.7
Total Release cfs	762	575	576	575	572	2377	2911	1847	1669	2198	2401	2401	

HYDROLOGY OPERATIONS

Glendo Reservoir Operations Initial Content 124.1 kaf

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Alcova-Glendo Gain kaf	8.5	6.7	2.4	14.8	15.0	21.0	40.4	20.4	4.9	-10.3	-1.4	1.1	123.5
Infl from Gray Reef kaf	46.9	34.2	35.4	35.4	31.8	146.2	173.2	113.6	99.3	135.2	147.6	142.9	1141.7
Total Inflow kaf	59.5	47.0	42.8	48.7	46.0	157.6	209.4	127.0	106.3	131.0	151.5	147.1	1273.9
Total Inflow cfs	968.	790.	696.	792.	829.	2563.	3519.	2066.	1786.	2130.	2464	2472	
Turbine Release kaf	0.0	0.0	0.0	0.0	4.0	152.1	183.4	126.0	112.9	211.4	256.3	137.4	1183.5
Low Flow Release kaf	2.7	1.7	1.9	2.1	4.3	1.6	1.5	1.6	3.0	3.1	3.1	3.0	29.6
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
Irrigation Release kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	95.9	33.0	14.1	146.9
Total Release kaf	2.7	1.7	1.9	2.1	8.3	153.6	184.9	127.6	119.8	310.4	292.4	154.5	1359.9
Total Release cfs	45.	29.	31.	34.	150.	2497.	3107.	2076.	2013.	5048.	4755	2597	
Evaporation kaf	1.9	0.7	0.5	0.5	0.4	1.1	3.1	4.5	4.2	4.9	2.6	1.4	25.8
End-month content kaf	290.6	335.2	375.5	421.6	458.9	461.9	483.4	478.3	460.7	276.4	132.9	124.1	
End-month elevation ft	4612.1	4617.4	4621.8	4626.5	4630.0	4630.2	4632.1	4631.7	4630.1	4610.3	4587.7	4585.9	
Generation gwh	0.0	0.0	0.0	0.0	0.3	16.9	21.1	13.9	11.4	21.1	18.3	9.1	112.1

Guernsey Reservoir Operations Initial Content 13.2 kaf

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Glendo-Guerns Gain kaf	3.6	2.4	1.9	1.6	1.1	1.6	12.7	2.3	0.0	0.8	3.8	6.9	38.7
Inflow from Glendo cfs	2.7	1.7	1.9	2.1	8.3	153.6	184.9	127.6	119.8	310.4	292.4	154.5	1359.9
Total Inflow kaf	6.4	4.2	3.8	3.7	9.4	155.1	197.5	130.0	119.8	311.2	296.1	161.4	1398.6
Total Inflow cfs	104.	70.	62.	61	169	2523	3320	2113	2013	5061	4816	2712	
Turbine Release kaf	0.0	0.0	0.0	0.0	0.0	52.8	61.9	62.0	58.4	31.8	62.9	52.9	382.7
Seepage kaf	0.6	0.2	1.9	0.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.3
Spillway Release kaf	0.0	0.0	0.0	0.0	0.0	95.1	134.1	65.2	59.9	282.0	230.5	128.0	994.8
Total Release kaf	0.6	0.2	0.4	0.7	0.9	147.9	196.0	127.2	118.3	313.8	293.4	180.9	1380.3
Total Release cfs	10.	4.	7.	11.	16.	2406.	3293.	2069.	1987.	5104.	4772	3041	
Evaporation kaf	0.1	0.1	0.1	0.1	0.1	0.2	0.6	0.9	0.9	0.4	0.9	0.7	5.1
End-month content kaf	5.7	9.5	12.8	16.0	24.3	31.3	32.3	34.1	34.7	31.6	33.5	13.2	
End-month elevation ft	4395.5	4399.9	4402.7	4404.9	4410.0	4413.6	4414.0	4414.9	4415.2	4413.7	4414.6	4403.0	
Generation gwh	0.0	0.0	0.0	0.0	0.0	3.8	4.4	4.5	4.2	2.1	4.5	3.9	27.4

Flood Benefits

The Corps of Engineers, Omaha District, estimates Flood Benefits for Water Year 1998 and as of the date of this publication, those estimates were unavailable. Since construction, the System has prevented flood damages totaling $82,822,100.00 (Not including Water Year 1998)(Table 5).

Table 5

FLOOD DAMAGE PREVENTED BY DAMS
IN THE NORTH PLATTE RIVER SYSTEM 1/

DAMS	WATER YEAR 1998	PRIOR TO 1998	ACCUMULATED TOTAL
SEMINOE	*	$24,024,000	*
PATHFINDER	*	$8,391,900	*
ALCOVA	*	$401,000	*
GLENDO	*	$49,566,200	*
GUERNSEY	*	$439,000	*
TOTAL	*	$82,822,100	*

1/This data is received from the Army Corps of Engineer's Omaha District Office and is revised every October. The period of assessment is 1970 through 1998 except for Glendo Dam, which is 1965 through 1998.
*Data not available from the Army Corps of Engineer's.

Table 6

Power Generation Water Year 1998

Powerplant	Gross generation	Percent of average 1/
Seminoe	176,229,000 2/	121
Kortes	169,548,000	109
Fremont Canyon	332,343,000	130
Alcova	151,642,000	118
Glendo	112,151,000	128
Guernsey	27,424,000	122
Total Basin	969,337,000	122

1/ 30 year average (1968-1997).
2/ Generation is in Kilo-watt hours.

Most Probable Power Generation Water Year 1999

Powerplant	Gross generation 1/	Percent of average 2/
Seminoe	159,184,000 3/	109
Kortes	142,899,000	92
Fremont Canyon	251,205,000	98
Alcova	113,004,000	88
Glendo	87,649,000	100
Guernsey	21,768,000	97
Total Basin	775,709,000	97

1/ Gross generation based on October 1998 storage and 780,000 Acre-feet April-July Most Probable expected inflow plan.
2/ 30 year average (1968-1997).
3/ Generation is in Kilo-watt hours.
See Table 7 for Powerplant data for the North Platte System. See Table 8 for the proposed unit maintenance schedule for water year 1999.

Table 7

NORTH PLATTE RIVER
POWERPLANT DATA

Powerplant	Number of Units	Capacity each Unit (MW)	Total installed Capacity (MW)	Normal operating Head (Ft)	Output at rated Head (Ft^3/s)	30 Year Average[1] (GWH)
Seminoe	3	17,000	51,000	97-227	4,050	146.2
Kortes	3	12,000	37,000	192-204	2,910	155.9
Fremont Canyon	2	33,400	66,800	247-363	3,080	255.6
Alcova	2	18,000	36,000	153-165	4,100	128.0
Glendo	2	19,000	38,000	73-156	3,400	87.6
Guernsey	2	3,200	6,400	89-91	1,340	22.5
Total	14	-----	235,200	-----	-----	795.8

1/1968-1997

Table 8

PROPOSED UNIT MAINTENANCE SCHEDULE
NORTH PLATTE RIVER SYSTEM
OCTOBER 1998 THROUGH SEPTEMBER 1999

FACILITY AND UNIT NO.	SCHEDULED PERIOD	DESCRIPTION OF WORK
Seminoe Unit #1	09-05-98 thru 10-27-98	Major inspection
Alcova Unit #2	09-28-98 thru 11-08-98	Annual inspection and other work as required
Kortes Unit #2	09-29-98 thru 09-30-99	Transformer
Guernsey Unit #1	10-13-98 thru 11-19-98	Annual inspection
Alcova Unit #1	11-09-98 thru 12-17-98	Annual inspection and other work as required
Glendo Unit #1	11-09-98 thru 12-17-98	Annual inspection
Seminoe Unit #3	11-10-98 thru 12-01-98	Minor inspection
Kortes Unit #3	12-02-98 thru 01-20-99	Minor inspection
Fremont Unit #1	01-04-99 thru 02-11-99	Annual inspection and other work as required
Glendo Unit #2	01-04-99 thru 02-04-99	Minor inspection
Kortes Unit #1	01-21-99 thru 03-03-99	Minor inspection,
Guernsey Unit #2	01-25-99 thru 02-25-99	Annual inspection
Fremont Unit #2	02-15-99 thru 03-26-99	Annual inspection and other work as required
Seminoe Unit #2	03-09-99 thru 04-31-99	Minor inspection

PROPOSED OPERATIONS FOR WATER YEAR 1999

Three operation studies were developed for the System to establish an AOP for water year 1999. 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. Reservoir inflow during water year 1999 has a one-in-ten chance of being less than the reasonable minimum. Statistically, inflows in 1999 will have an eight-in-ten chance of falling between the two extremes. The most probable inflow is based on long-term averages and approximates a 50 percent chance of occurrence. The three studies for water year 1999 are summarized numerically in tables 9A, 9B, and 9C.

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 will be made at the beginning of each month for February through May. Projected operating schedules will be adjusted, as required, 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 and Gray Reef) was 1,945,921 acre-feet at the beginning of the water year 1999. This amount was 126 percent of average.

Seminoe Reservoir

Most Probable Condition - 1999

October through March -- Seminoe Reservoir storage of 864,546 acre-feet, at the beginning of the water year, is 117 percent of the 30-year average. Planned turbine releases from Seminoe Reservoir of 800 c.f.s. for October and increasing to 900 c.f.s. for the period of November through March, will lower the reservoir storage to about 708,600 acre-feet by March 31. These releases are projected based on a statistically estimated Seminoe inflow for the October through March period of 173,500 acre-feet. A release of at least 500 c.f.s. is required to maintain the minimum flow in the Miracle Mile reach of the river.

April through September -- Turbine releases are expected to average approximately 1,600 c.f.s. in April; 2,360 c.f.s. in May and 2,650 c.f.s. in June and decreasing to 1,500 in July; 1,000 c.f.s August; and 700 c.f.s in September. The total release from the Reservoir during the April to September period will be scheduled through the power generators to provide storage space for the April-July inflow and meet downstream requirements. With most probable inflow, storage will reach a maximum of 969,000 acre-feet by the end of June. Projected carryover storage of about 906,000 acre-feet at the end of the water year would be 122 percent of average.

Reasonable Minimum Condition - 1999

October through March -- Water releases for this period under a reasonable minimum inflow condition would be 800 c.f.s. from October through March. A release of at least 500 c.f.s. is required to maintain the minimum flow in the Miracle Mile reach of the river. Under this condition inflows would be expected to be 160,500 acre-feet for the period, which is 13,000 acre-feet less than in the most probable condition. The March 31 reservoir content would be expected to be approximately 724,500 acre-feet under these conditions.

April through September -- Seminoe water releases will remain at approximately 800 c.f.s. in April and increase to 1,350 c.f.s. in May in order to meet irrigation requirements and provide increased power production. The releases will be increased to 1,600 c.f.s. in June, and decreased to 1,400 c.f.s in July and then decrease to approximately 1,300 c.f.s., for August and 700 c.f.s in September. Under these conditions the water year will end with a Seminoe Reservoir content of 636,000 acre-feet (86 percent of average). The maximum end of month content under these conditions will be approximately 798,800 acre-feet at the end of June.

Reasonable Maximum Condition - 1999

October through March -- Water releases for this period under a reasonable maximum inflow condition would be similar to the most probable condition as water is moved downstream to generate power and make room in Seminoe Reservoir for spring runoff, except for November when releases would be increased to 1,350 c.f.s. and then decreased to approximately 900 c.f.s from December through March. Although inflows to Seminoe Reservoir would be higher under these conditions actual changes in winter operations would be made gradually until it was evident that the inflow quantities being experienced were showing a trend towards the reasonable maximum inflows for the water year. October through March inflows under this condition will be 205,400 acre-feet, which is 31,900 acre-feet more than the most probable runoff condition. The reservoir content would decrease from 847,500 acre-feet at the end of October to 719,300 acre-feet by the end of March under these conditions.

April through September -- Seminoe Reservoir release for the month of April will be set at an average of 3,000 c.f.s. and increase further to 5,080 c.f.s. in May. Releases will average approximately 6,000 c.f.s for June, and decrease to about 3,570 c.f.s in July, and then decrease further to a release of about 1,700 c.f.s in August. The September Seminoe Reservoir release should average 1,100 c.f.s. Inflows for the April through July period will be 1,330,100 acre-feet, which is 550,000 acre-feet more than the most probable runoff condition. Seminoe Reservoir will reach its maximum end of month content for the year in June with approximately 960,000 acre-feet in storage. This plan of operation would result in an end of year carryover storage of 864,100 acre-feet, which would be 117 percent of average

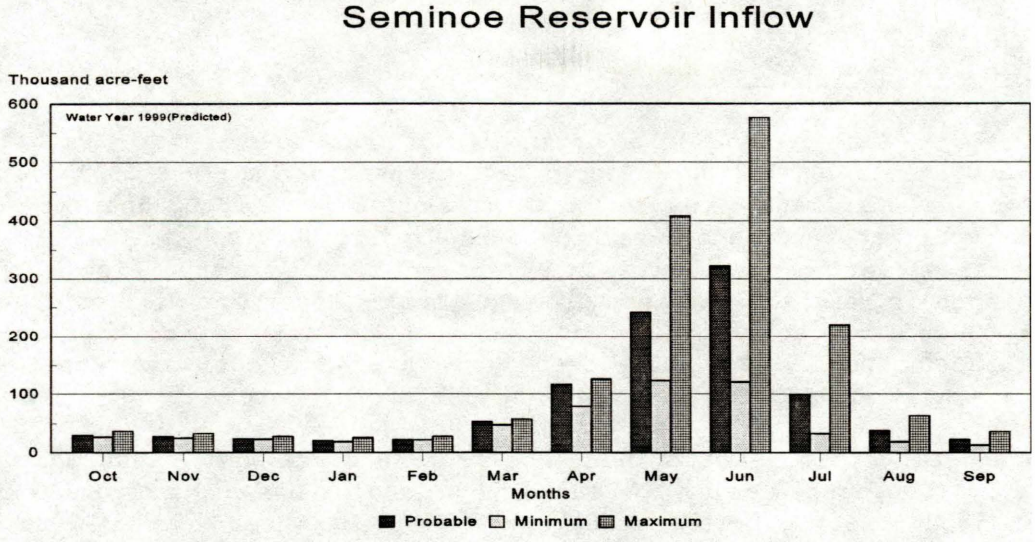

Figure 12

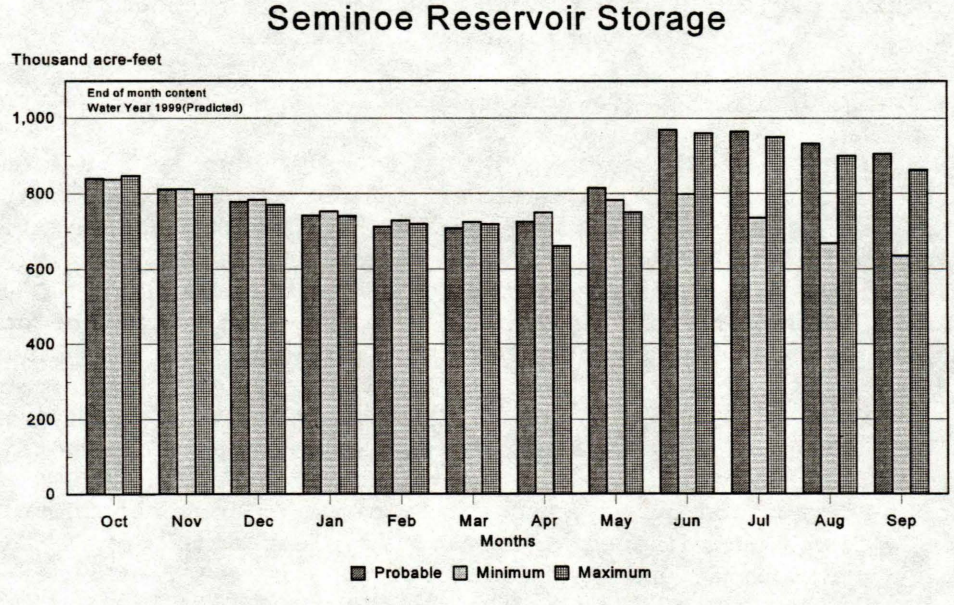

Figure 13

Pathfinder Reservoir

Most Probable Condition - 1999

October through March -- At the beginning of the water year, Pathfinder Reservoir storage is 760,494 acre-feet or 146 percent of the 1968-1997 average. Fremont Canyon Powerplant releases will be reduced during October to allow Alcova Reservoir water surface level to be lowered to 5488.0 ± 1.0 foot, which is the normal elevation range for winter operation. 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 acre-feet. Pathfinder Reservoir storage is projected to be about 843,200 acre-feet at the end of March.

April through September -- Pathfinder Reservoir storage will reach a maximum of about 1,007,500 acre-feet by the end of June and be drawn down to a storage content of about 828,400 acre-feet by the end of the water year. River gain between Kortes and Pathfinder Reservoirs, including the Sweetwater River, is estimated at about 87,400 acre-feet for the April-July period under most probable inflow conditions. In April, Fremont Canyon Powerplant releases will be coordinated with Alcova releases to refill Alcova Reservoir to its normal summer operating range of 5498 ± 1 foot.

During May through September, Fremont Canyon power releases will be scheduled to meet downstream irrigation deliveries and maintain Alcova Reservoir within its normal summer operating range of 5498 ± 1 foot. During May and June, water releases will average approximately 1,240 c.f.s. and 2,330 c.f.s., respectively. In July and August Fremont Canyon turbine releases are expected to average approximately 2,730 c.f.s. and 2,260 c.f.s., respectively, with releases reduced in September to approximately 1,030 c.f.s.

Reasonable Minimum Condition - 1999

October through March -- Water releases for this period under a reasonable minimum inflow condition would be the same as in the most probable condition. Under this condition, gains to the river between Kortes Dam and Pathfinder Reservoir, including the Sweetwater River, are expected to be 28,700 acre-feet for the period. Pathfinder Reservoir storage will reach about 811,700 acre-feet by the end of March. Fremont Canyon Powerplant releases for the period will be scheduled to maintain approximately 156,000 acre-feet of water in Alcova Reservoir.

April through September -- River gains between Kortes Dam and Pathfinder Reservoir, including the Sweetwater River, are estimated at about 38,500 acre-feet for the April-July period under reasonable minimum inflow conditions. 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.

During April through September, Fremont Canyon power releases will be scheduled to meet Kendrick Project and downstream irrigation deliveries and maintain a storage content of approximately 179,400 acre-feet in Alcova Reservoir. Summer releases will increase to average approximately 2,700 c.f.s. during the months of June, July, and August, then end the water year with approximately 1,300 c.f.s. during September. If reasonable minimum runoff develops, the reservoir content at the end of the water year will be about 430,900 acre-feet or 80 percent of average.

Reasonable Maximum Condition - 1999

October through March -- Water releases for this period under a reasonable maximum inflow condition would be similar to the most probable condition except for March when release would be increased in anticipation of runoff. Under this condition, gains between Kortes Dam and Pathfinder Reservoir would be expected to be 30,200 acre-feet for the period. Pathfinder Reservoir content increases through this period from 770,700 acre-feet at the end of October to 814,800 acre-feet by the end of March as releases from Seminoe Reservoir are increased to generate power during the winter.

April through September -- In April, water releases from Fremont Canyon Powerplant will be increased as Alcova Reservoir is refilled to water surface elevation 5498 ± one foot. The rate of release will be increased through the summer as needed to meet downstream irrigation demands. Pathfinder Reservoir would fill to its maximum content of 981,100 acre-feet during June while June and July releases average about 4,800 c.f.s. and then decrease to approximately 2,200 c.f.s. in August and further decrease to a 1,240 c.f.s. by September. A bypass release through the Jet flow valves of 429,500 acre-feet would be required during the months of April through July under maximum conditions. The Pathfinder Reservoir end of year storage content is projected to be about 867,600 acre-feet, which would be 161 percent of average.

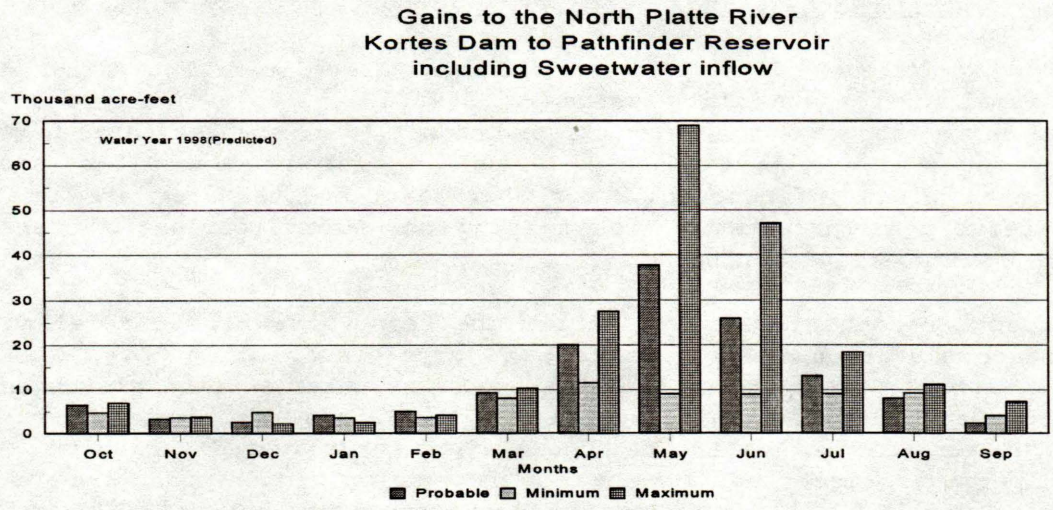

Figure 14

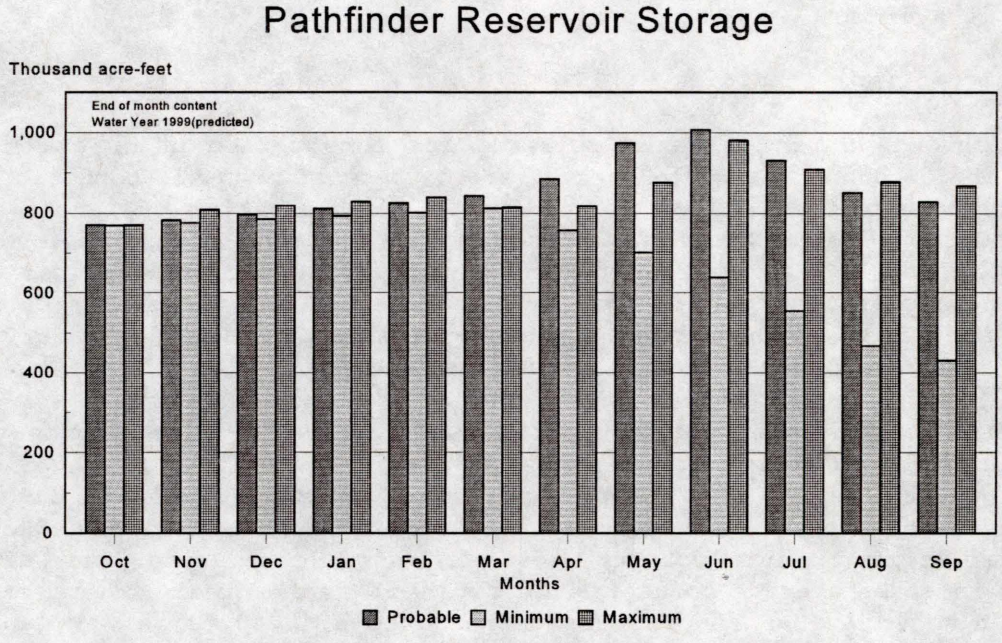

Figure 15

Alcova Reservoir

Most Probable Condition - 1999

October through March -- During October, Alcova Reservoir will be drawn down to the normal winter operating range of 5488.0 ± 1.0 foot and will be maintained there through March. Except for October, the releases through March will be maintained at approximately 700 c.f.s. 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.

April through September -- During April, the Reservoir will be refilled to water surface elevation 5,498 feet (179,400 acre-feet). 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. About 74,000 acre-feet of water are scheduled to be delivered during the May-September period to meet Kendrick Project irrigation requirements. Releases from Alcova Reservoir will be re-regulated in Gray Reef Reservoir.

Reasonable Minimum Condition - 1999

October through September -- Operation of Alcova Reservoir would be the same as under the most probable condition, except about 84,000 acre-feet of water are scheduled to be delivered during the May-September period to meet Kendrick Project irrigation requirements.

Reasonable Maximum Condition - 1999

October through September -- Operation of Alcova Reservoir would be the same as under the most probable condition except that March releases would be increased in anticipation of runoff and water delivered through the Casper Canal to the Kendrick Project for irrigation is estimated to be 74,000 acre-feet for the irrigation season.

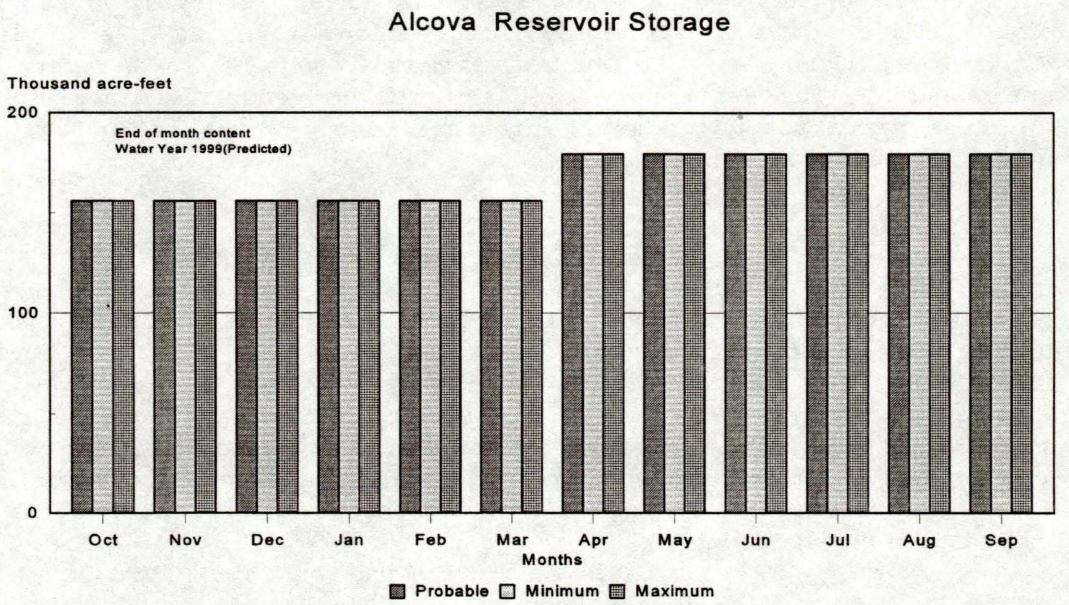

Figure 16

Gray Reef Reservoir

Most Probable Condition - 1999

October through March -- Except for the month of October, the water releases from Gray Reef Dam will be maintained at approximately 700 c.f.s through March. This will result in a winter river level higher than last year. The 30-year average flow below Gray Reef ranges between 780 c.f.s and 1,050 c.f.s. for the months of October through March.

April through September -- Releases from Gray Reef Reservoir will average about 700 c.f.s. in the month of April. The May through September releases are expected to be approximately 980 c.f.s in May; 2,020 c.f.s. in June; 2,400 c.f.s in July; 1,960 c.f.s in August; and 890 c.f.s. in September as project irrigation water is moved downstream.

Reasonable Minimum Condition - 1999

October through March -- Operation of Gray Reef Reservoir would be the same as under the most probable condition.

April through September -- Releases from Gray Reef Reservoir will average approximately 1,420 c.f.s. in April, increasing to 2,000 c.f.s. in May. Releases from Gray Reef Dam will reach a maximum average of 2,400 c.f.s. during July and August. The September releases will be reduced to average 1,120 c.f.s. These predicted flows may be redistributed as the irrigators adjust their use of water from storage.

Reasonable Maximum Condition - 1999

October through March -- Operation of Gray Reef Reservoir would be the same as under the most probable condition, except for March when releases would be increased in anticipation of runoff.

April through September -- Releases of 4,860 c.f.s. in May would be required to move water through the system to avoid filling and spilling upstream reservoirs. Release will then be decreased to average 4,500 c.f.s. during June and July. The releases will be further decreased to a flow of about 1,100 c.f.s. by the end of September.

Glendo and Guernsey Reservoirs

Most Probable Condition - 1999

October through March -- Carryover storage of 124,063 acre-feet in Glendo Reservoir on September 30, 1998 was 133 percent of average. With restorage of North Platte Project water released from Alcova and with North Platte River gains below Alcova Dam estimated to be near normal, Glendo Reservoir storage will increase to about 464,000 acre-feet by the end of March.

A constant release of 25 c.f.s. is planned for the Glendo Dam Outlet works which will provide the necessary water to maintain a year round fishery in the North Platte River between Glendo Dam and Guernsey Reservoir. The water released will be restored in Guernsey Reservoir.

Guernsey Reservoir contained 13,165 acre-feet of water at the start of water year 1999. Natural inflow, as well as the low flow releases from Glendo Dam, will be stored during the winter which will increase storage to 22,000 acre-feet by March 31.

April through September -- Glendo Reservoir storage will be about 500,700 acre-feet by the end of April. During April and May releases from Glendo Reservoir will be scheduled to refill Guernsey Reservoir. Releases from Glendo Reservoir during the April through September period will be based upon meeting a full irrigation demand of 1,010,000 acre-feet for the North Platte Project and 28,000 acre-feet for the Glendo Unit. Maximum Glendo Reservoir storage for the water year will be 515,000 acre-feet at the end of May and June. At this level, it would take approximately 2,500 acre-feet of water to fill the Reservoir to the flood pool elevation of 4635.0 ft.

Guernsey Reservoir content will be maintained near 35,000 acre-feet during May and June and lowered to 30,000 acre-feet during July and August. Provision is made in the plan for a possible silt run in July, which will require close coordination of Glendo and Guernsey release schedules as Guernsey is drawn down to about 1,000 acre-feet in July and refilled to about 30,000 acre-feet in August. During September, releases from Gray Reef will be scheduled to complete Glendo drawdown to about 65,000 acre-feet. During September Guernsey Reservoir will be lowered to approximately 5,000 acre-feet.

Reasonable Minimum Condition - 1999

October through March -- Guernsey Reservoir contained 13,165 acre-feet of water at the start of water year 1999. Under the reasonable minimum inflow conditions the natural inflow will be stored during the winter, as well as the low flow release from Glendo Dam, which will increase the Guernsey Reservoir content to 22,000 acre-feet by March 31. Glendo Reservoir content will increase from the carryover storage of 124,063 acre-feet to a March 31 content of 440,800 acre-feet.

April through September -- Glendo Reservoir storage will increase to about 490,000 acre-feet by the end of April, which will be the largest end of month content for the year. At this level, it would take approximately 27,500 acre-feet of water to fill the Reservoir to the flood pool elevation of 4635 ft. During April and May releases from Glendo Reservoir will be scheduled to refill Guernsey Reservoir.

The operation of Glendo and Guernsey Reservoirs will be based upon making full irrigation deliveries to the Glendo Unit and the North Platte Project. The total combined North Platte System reservoir storage would be approximately 716,000 acre-feet less by the end of the water year under reasonable minimum water supply conditions than under the most probable conditions.

Guernsey Reservoir content will be maintained near 35,000 acre-feet during May and June and lowered to 32,000 acre-feet during July and August. Provision is made in the plan for a possible silt run in July, which will require close coordination of Glendo and Guernsey release schedules as Guernsey is drawn down to about 1,000 acre-feet in July and refilled in August. September releases will be made to meet irrigation requirements leaving 65,000 acre-feet of water in Glendo Reservoir at years end. Guernsey Reservoir content on September 30 will be 5,000 acre-feet under minimum conditions.

Reasonable Maximum Condition - 1999

October through March -- Guernsey Reservoir contained 13,165 acre-feet of water at the start of water year 1999. Under the reasonable maximum inflow conditions, the natural inflow as well as the 25 c.f.s. river maintenance release from Glendo will be stored during the winter, which will increase the reservoir content to 32,000 acre-feet by March 31. Glendo Reservoir content is expected to increase from the starting content of 124,063 acre-feet to an end of March content of 304,700 acre-feet.

April through September -- Guernsey Reservoir content reaches a maximum end of month content of 35,000 acre-feet in April through June. Under reasonable maximum conditions Glendo Reservoir will reach near conservation capacity of 517,000 acre-feet during May. Provision is made in the plan for a possible silt run in July, which will require close coordination of Glendo and Guernsey release schedules as Guernsey is drawn down to about 1,000 acre-feet in July and refilled to 32,200 AF by the end of the month. During September releases will be scheduled to lower Guernsey Reservoir to approximately 5,000 acre-feet.

The operating plan shown assumes no downstream flow restrictions and normal irrigation deliveries. Glendo storage is projected to decrease to about 364,400 acre-feet by the end of July and will be about 200,000 acre-feet by the end of September. This end of year Glendo storage would be 210 percent of average and the total System storage at the end of the water year of 2,116,200 acre-feet (excluding about 5,900 acre-feet of storage in Kortes and Gray Reef Reservoirs) would be 137 percent of average for the major reservoirs on the North Platte River.

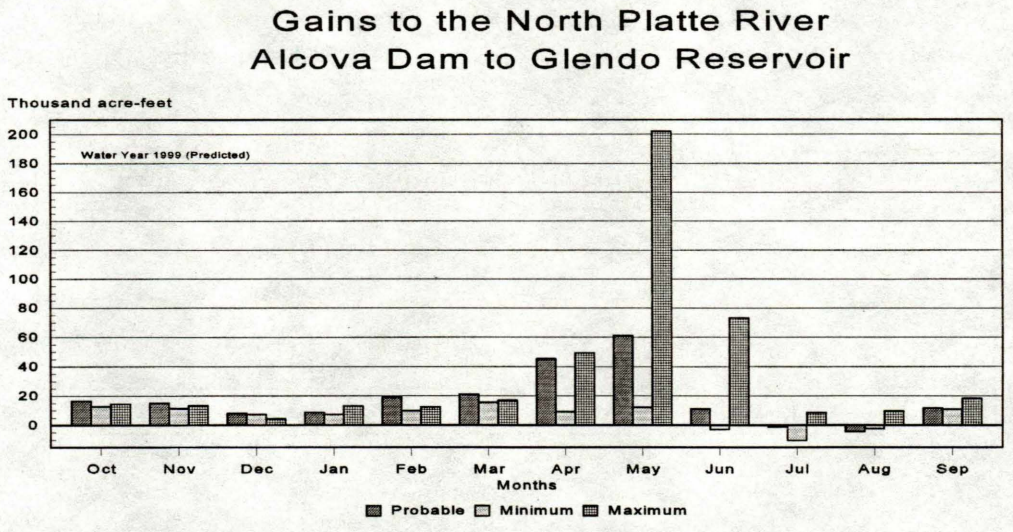

Figure 17

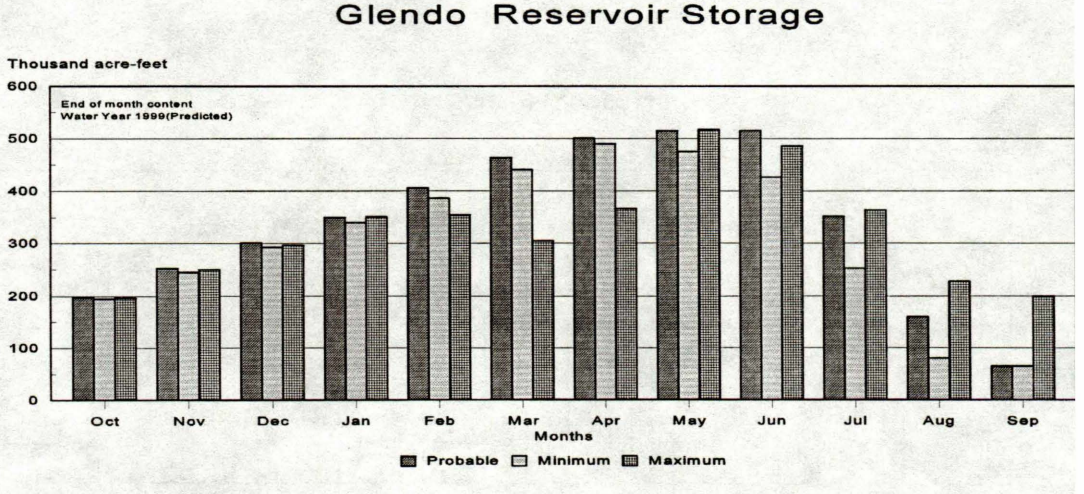

Figure 18

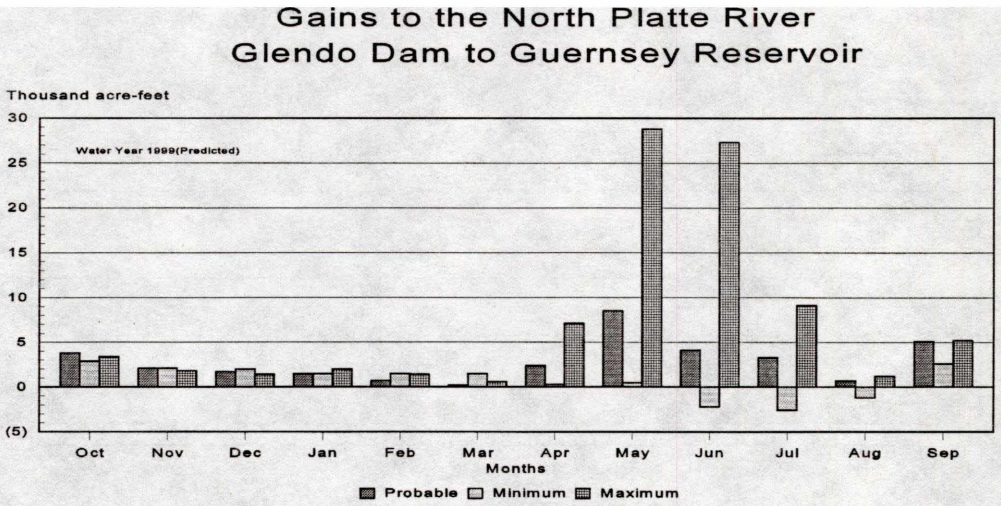

Figure 19

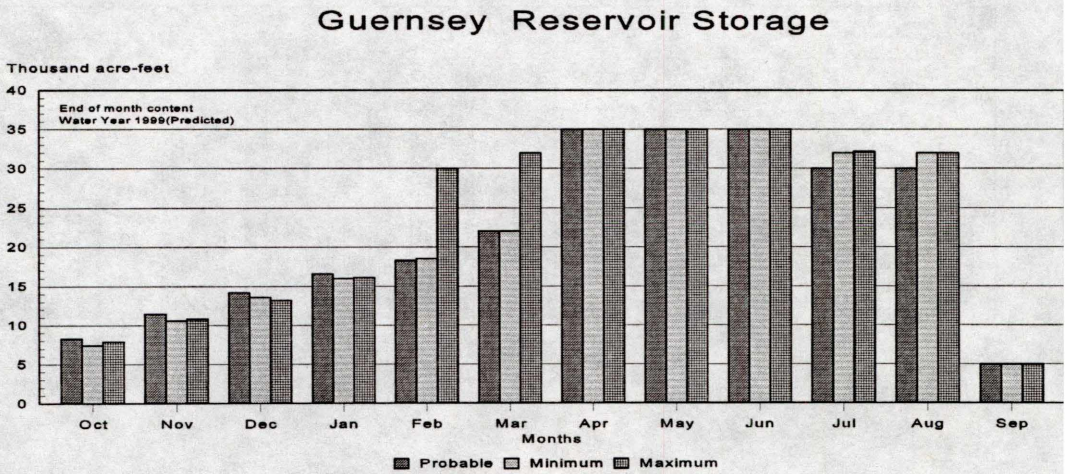

Figure 20

Ownerships

Most Probable Condition - 1999

At the close of water year 1999 the North Platte Project storage ownership is expected to be near 708,400 acre-feet (157 percent of average); the Kendrick Project storage ownership is expected to be near 1,124,200 acre-feet (119 percent of average). Glendo storage ownership at the end of water year 1999 is expected to be near average with an end-of-season content of 152,300 acre-feet (108 percent of average). All storage water ownerships in the North Platte River System will fill during the water year under most probable conditions. Also 289,800 AF of water will be captured in the reservoirs as excess to ownership. All excess will be released as natural flow except for approximately 15,000 AF which will be retained and used as operational water.

Reasonable Minimum Condition - 1999

The North Platte Project storage ownership is expected to be 206,200 acre-feet at the close of the water year compared to 708,400 acre-feet with the most probable runoff conditions. The North Platte Project ownership will not fill under minimum conditions. The Kendrick Project storage ownership is expected to be near 975,000 acre-feet which is 103 percent of average at the close of the water year. The Kendrick Project ownership will not accrue any water under the reasonable minimum conditions. Glendo storage ownership is expected to be near 135,900 acre-feet (96 percent of average) at the close of water year 1999 under the reasonable minimum runoff conditions. The Glendo Unit ownership will not accrue any water during the water year.

Reasonable Maximum Condition - 1999

All storage water ownerships in the North Platte River System will fill during the water year. About 1,133,500 acre-feet of water, will be captured in the reservoirs as excess to ownership in the North Platte System. The excess water will be released from the System to meet irrigation demands and approximately 330,300 AF will be carried over in the excess account, if the reasonable maximum runoff develops in the pattern that was assumed.

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 1998

HYDROLOGY OPERATIONS

Seminoe Reservoir Operations — Initial Content 864.5 Kaf — Operating Limits: Max 1017.3 Kaf, 6357.00 Ft. Min 31.7 Kaf, 6239.02 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total Inflow	kaf	28.9	27.3	23.1	19.9	21.7	52.6	117.1	241.9	322.0	98.7	37.1	22.2
Total Inflow	cfs	470.	459.	376.	324.	391.	855.	1968.	3934.	5411.	1605.	603.	373.
Turbine Release	kaf	49.2	53.5	55.3	55.3	50.0	55.3	95.0	144.9	157.7	92.2	61.3	41.8
Jetflow 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
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
Total Release	kaf	49.2	53.5	55.3	55.3	50.0	55.3	95.0	144.9	157.7	92.2	61.3	41.8
Total Release	cfs	800.	899.	899.	899.	900.	899.	1597.	2357.	2650.	1499.	997.	702.
Evaporation	kaf	5.0	2.6	1.4	1.3	1.3	2.6	5.0	5.2	9.4	11.0	9.4	6.7
End-month content	kaf	840.3*	811.8	778.6	742.4	713.4	708.6*	725.9*	815.0*	969.0*	965.0*	932.0*	906.0*
End-month elevation	ft	6347.6	6346.0	6344.0	6341.7	6339.9	6339.5	6340.7	6346.2	6354.6	6354.4	6352.7	6351.3

Kortes Reservoir Operations — Initial Content 4.7 Kaf — Operating Limits: Max 4.7 Kaf, 6141.53 Ft. Min 1.7 Kaf, 6092.73 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total Inflow	kaf	49.2	53.5	55.3	55.3	50.0	55.3	95.0	144.9	157.7	92.2	61.3	41.8
Total Inflow	cfs	800.	899.	899.	899.	900.	899.	1597.	2357.	2650.	1499.	997.	702.
Turbine Release	kaf	49.2	53.5	55.3	55.3	50.0	55.3	95.0	112.8	109.1	92.2	61.3	41.8
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.1	48.6	0.0	0.0	0.0
Total Release	kaf	49.2	53.5	55.3	55.3	50.0	55.3	95.0	144.9	157.7	92.2	61.3	41.8
Total Release	cfs	800.	899.	899.	899.	900.	899.	1597.	2357.	2650.	1499.	997.	702.

Pathfinder Reservoir Operations — Initial Content 760.5 Kaf — Operating Limits: Max 1016.5 Kaf, 5850.10 Ft. Min 31.4 Kaf, 5746.00 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Sweetwater Inflow	kaf	3.3	3.5	3.1	3.6	3.4	4.4	11.6	19.1	21.6	6.2	2.8	1.4
Kortes-Path Gain	kaf	3.3	-0.1	-0.4	0.6	1.7	4.9	8.0	9.1	5.3	6.5	6.5	4.2
Inflow from Kortes	kaf	49.2	53.5	55.3	55.3	50.0	55.3	95.0	144.9	157.7	92.2	61.3	41.8
Total Inflow	kaf	55.8	56.9	58.0	59.5	55.1	64.6	114.6	173.1	184.6	104.9	70.6	47.4
Total Inflow	cfs	907.	956.	943.	968.	992.	1051.	1926.	2815.	3102.	1706.	1148.	797.
Turbine Release	kaf	40.5	41.9	43.2	43.2	39.1	43.4	66.1	76.2	138.4	167.6	138.8	61.2
Jetflow 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
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
Total Release	kaf	40.5	41.9	43.2	43.2	39.1	43.4	66.1	76.2	138.4	167.6	138.8	61.2
Total Release	cfs	659.	704.	703.	703.	704.	706.	1111.	1239.	2326.	2726.	2257.	1028.
Evaporation	kaf	5.1	2.8	1.6	1.5	1.6	3.3	6.4	8.2	12.7	14.0	11.8	8.6
End-month content	kaf	770.7	782.9	796.1	810.9	825.3	843.2	885.3	974.0	1007.5	930.8	850.8	828.4
End-month elevation	ft	5837.9	5838.5	5839.3	5840.0	5840.8	5841.7	5843.9	5848.1	5849.7	5846.1	5842.1	5841.0

Alcova Reservoir Operations — Initial Content 177.8 Kaf — Operating Limits: Max 184.4 Kaf, 5500.00 Ft. Min 100.0 Kaf, 5459.92 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total Inflow	kaf	40.5	41.9	43.2	43.2	39.1	43.4	66.1	76.2	138.4	167.6	138.8	61.2
Total Inflow	cfs	659.	704.	703.	703.	704.	706.	1111.	1239.	2326.	2726.	2257.	1028.
Turbine Release	kaf	61.7	41.6	43.0	43.0	38.9	43.0	41.8	60.2	120.0	148.0	120.4	53.1
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
Casper Canal Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	17.0	18.0	17.0	7.0
Total Release	kaf	61.7	41.6	43.0	43.0	38.9	43.0	41.8	75.2	137.0	166.0	137.4	60.1
Total Release	cfs	1003.	699.	699.	699.	700.	699.	702.	1223.	2302.	2700.	2235.	1010.
Evaporation	kaf	0.7	0.3	0.2	0.2	0.2	0.4	0.8	1.0	1.4	1.6	1.4	1.1
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*
End-month elevation	ft	5487.9	5487.9	5487.9	5487.9	5487.9	5487.9	5498.0	5498.0	5498.0	5498.0	5498.0	5498.0

NORTH PLATTE RIVER OPERATING PLAN
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Gray Reef Reservoir Operations — Initial Content 1.1 Kaf — Operating Limits: Max 1.8 Kaf, 5332.00 Ft. / Min 0.0 Kaf, 5306.00 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total Inflow	kaf	61.7	41.6	43.0	43.0	38.9	43.0	41.8	60.2	120.0	148.0	120.4	53.1
Total Inflow	cfs	1003.	699.	699.	699.	700.	699.	702.	979.	2017.	2407.	1958.	892.
Total Release	kaf	60.9	41.6	43.0	43.0	38.9	43.0	41.7	60.1	119.9	147.9	120.3	53.0
Total Release	cfs	990.	699.	699.	699.	700.	699.	701.	977.	2015.	2405.	1956.	891.

Glendo Reservoir Operations — Initial Content 124.1 Kaf — Operating Limits: Max 789.4 Kaf, 4653.00 Ft. / Min 63.2 Kaf, 4570.02 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Alcova-Glendo Gain	kaf	16.7	15.1	8.0	8.8	19.2	21.2	45.3	61.3	11.2	-1.1	-4.5	11.5
Infl from Gray Reef	kaf	60.9	41.6	43.0	43.0	38.9	43.0	41.7	60.1	119.9	147.9	120.3	53.0
Total Inflow	kaf	77.6	56.7	51.0	51.8	58.1	64.2	87.0	121.4	131.1	146.8	115.8	64.5
Total Inflow	cfs	1262.	953.	829.	842.	1046.	1044.	1462.	1974.	2203.	2387.	1883.	1084.
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	2.6	45.2	100.9	122.6	232.5	221.4	156.1
Low Flow Release	kaf	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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
Irrigation Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	69.1	80.3	0.0
Total Release	kaf	1.5	1.5	1.5	1.5	1.5	4.1	46.7	102.4	124.1	303.1	303.2	157.6
Total Release	cfs	24.	25.	24.	24.	27.	67.	785.	1665.	2086.	4929.	4931.	2649.
Evaporation	kaf	1.2	0.9	0.8	0.9	1.0	1.9	3.5	5.2	7.2	6.9	4.4	1.9
End-month content	kaf	198.4*	252.5	301.1	350.4	405.9	464.0*	500.7*	515.0*	515.0*	351.8*	160.0*	65.0*
End-month elevation	ft	4599.4	4607.2	4613.4	4619.1	4624.9	4630.4	4633.6	4634.8	4634.8	4619.3	4593.0	4570.6

Guernsey Reservoir Operations — Initial Content 13.2 Kaf — Operating Limits: Max 45.6 Kaf, 4419.99 Ft. / Min 0.0 Kaf, 4370.00 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Glendo-Guerns Gain	kaf	3.8	2.1	1.7	1.5	0.7	0.2	2.4	8.5	4.1	3.3	0.7	5.1
Inflow from Glendo	kaf	1.5	1.5	1.5	1.5	1.5	4.1	46.7	102.4	124.1	303.1	303.2	157.6
Total Inflow	kaf	5.3	3.6	3.2	3.0	2.2	4.3	49.1	110.9	128.2	306.4	303.9	162.7
Total Inflow	cfs	86.	60.	52.	49.	40.	70.	825.	1804.	2154.	4983.	4942.	2734.
Turbine Release	kaf	9.7	0.0	0.0	0.0	0.0	0.0	35.2	52.6	50.9	52.9	53.3	54.9
Seepage	kaf	0.3	0.2	0.3	0.4	0.3	0.3	0.4	1.2	3.0	3.1	2.5	2.1
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.2	73.1	255.0	247.2	130.0
Total Release	kaf	10.0	0.2	0.3	0.4	0.3	0.3	35.6	110.0	127.0	311.0	303.0	187.0
Total Release	cfs	163.	3.	5.	7.	5.	5.	598.	1789.	2134.	5058.	4928.	3143.
Evaporation	kaf	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.9	1.2	0.4	0.9	0.7
End-month content	kaf	8.3#	11.5	14.2	16.6	18.3#	22.0*	35.0*	35.0*	35.0*	30.0*	30.0*	5.0*
End-month elevation	ft	4398.6	4401.6	4403.7	4405.4	4406.5	4408.7	4415.3	4415.3	4415.3	4412.9	4412.9	4394.5

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OWNERSHIP OPERATIONS

North Platte Pathfinder — Initial Ownership 615.3 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	31.6	28.5	24.4	22.7	25.3	58.9	130.7	79.1	0.0	0.0	0.0	0.0
Evaporation	kaf	3.9	2.2	1.4	1.4	1.5	3.0	6.0	8.3	12.9	12.6	11.3	7.5
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133.2	130.6
End-month Ownership	kaf	646.9	675.4	699.8	722.5	747.8	806.7	937.4	1016.5	1003.6	991.0	846.5	708.4

North Platte Guernsey — Initial Ownership 0.0 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	0.0	0.0	9.4	9.9	19.6	6.7	0.0	0.0	0.0	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.0	0.0	0.3	0.4	0.3	0.4	0.4	0.4	0.6	0.6	0.5	0.0
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.1	0.0
End-month Ownership	kaf	0.0	0.0	9.4	19.3	38.9	45.6	45.2	44.8	44.2	43.6	0.0	0.0

Inland Lakes — Initial Ownership 0.0 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	20.5	17.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.0	0.2	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0
Trnsfr fm Ownership	kaf	10.0	0.0	0.0	0.0	0.0	0.0	35.6	0.0	0.0	0.0	0.0	0.0
End-month Ownership	kaf	10.5	27.5	27.4	27.3	27.2	27.1	0.0	0.0	0.0	0.0	0.0	0.0

Kendrick — Initial Ownership1148.6 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	84.1	0.0	0.0	0.0	0.0
Evaporation	kaf	7.3	3.9	2.4	2.3	2.3	4.5	8.3	9.9	15.2	14.9	13.3	10.1
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	7.0
End-month Ownership	kaf	1141.3	1137.4	1135.0	1132.7	1130.4	1125.9	1117.6	1201.7	1186.5	1171.6	1141.3	1124.2

Glendo Unit — Initial Ownership 169.3 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Accrual	kaf	0.0	0.0	0.0	0.0	0.0	14.3	2.9	0.0	0.0	0.0	0.0	0.0
Evaporation	kaf	1.0	0.6	0.3	0.3	0.4	0.7	1.3	1.6	2.3	2.2	2.0	1.5
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	12.0
End-month Ownership	kaf	168.3	167.7	167.4	167.1	166.7	180.3	181.9	180.3	178.0	175.8	165.8	152.3

Excess to Ownership — Initial Ownership 7.7 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Accrual	kaf	0.0	0.0	0.0	0.0	0.0	0.0	36.1	33.5	220.2	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.3	0.9	3.6	0.8	0.0
Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	215.4	76.1	0.0
End-month total	kaf	7.6	7.5	7.5	7.5	7.5	7.4	43.4	76.6	295.9	76.9	0.0	0.0

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City of Cheyenne Initial Ownership 3.0 Kaf,

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Inflow	kaf	1.1	0.3	0.4	0.5	0.6	0.5	0.2	0.0	0.0	0.5	0.6	0.3
Evaporation	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.9	0.0	0.0	0.0
Ownership	kaf	4.1	4.4	4.8	5.3	5.9	6.4	6.6	3.8	2.8	3.2	3.7	4.0

Pacificorp Initial Ownership 2.0 Kaf,

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Inflow	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.0
Evaporation	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
Release	kaf	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Ownership	kaf	1.4	1.2	1.1	1.0	0.9	0.8	0.7	1.2	1.4	1.4	1.4	1.4

Other Initial Ownership 0.0 Kaf,

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Inflow	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
Evaporation	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
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
Ownership	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

IRRIGATION DELIVERY

Kendrick (Casper Canal)		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Requested	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	17.0	18.0	17.0	7.0
Delivered	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	17.0	18.0	17.0	7.0

Kendrick (River)		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Requested	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
Delivered	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

Guernsey Deliveries		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
North Platte Req	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.0	125.0	305.0	295.0	175.0
Glendo Req	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0	8.0	12.0
Inland Lakes Req	kaf	10.0	0.0	0.0	0.0	0.0	0.0	35.6	0.0	0.0	0.0	0.0	0.0
Total Requirement	kaf	10.0	0.0	0.0	0.0	0.0	0.0	35.6	110.0	127.0	311.0	303.0	187.0
Seepage	kaf	0.3	0.2	0.3	0.4	0.3	0.3	0.4	1.2	3.0	3.1	2.5	2.1
Actual Release	kaf	10.0	0.2	0.3	0.4	0.3	0.3	35.6	110.0	127.0	311.0	303.0	187.0

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POWER GENERATION

Seminoe Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	49.2	53.5	55.3	55.3	50.0	55.3	95.0	144.9	157.7	92.2	61.3	41.8
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
Maximum generation	gwh	22.070	21.455	33.478	33.488	20.162	22.326	32.402	33.420	31.809	32.238	32.379	31.555
Actual generation	gwh	8.659	9.363	9.622	9.512	8.500	9.389	16.150	24.923	28.024	16.596	10.990	7.456
Percent max generation		39.	44.	29.	28.	42.	42.	50.	75.	88.	51.	34.	24.
Average kwh/af		176.	175.	174.	172.	170.	170.	170.	172.	178.	180.	179.	178.

Kortes Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	49.2	53.5	55.3	55.3	50.0	55.3	95.0	112.8	109.1	92.2	61.3	41.8
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.1	48.6	0.0	0.0	0.0
Maximum generation	gwh	19.402	18.765	9.684	9.684	8.755	19.402	18.765	19.402	18.765	19.402	19.402	18.765
Actual generation	gwh	8.462	9.202	9.512	9.512	8.600	9.512	16.340	19.402	18.765	15.858	10.544	7.190
Percent max generation		44.	49.	98.	98.	98.	49.	87.	100.	100.	82.	54.	38.
Average kwh/af		172.	172.	172.	172.	172.	172.	172.	172.	172.	172.	172.	172.

Fremont Canyon		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	40.5	41.9	43.2	43.2	39.1	43.4	66.1	76.2	138.4	167.6	138.8	61.2
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
Maximum generation	gwh	46.869	45.442	47.084	26.618	24.335	27.412	45.689	47.272	45.777	47.300	47.244	45.672
Actual generation	gwh	11.225	11.638	12.029	12.053	10.912	12.115	18.460	21.302	38.726	46.881	38.779	17.085
Percent max generation		24.	26.	26.	45.	45.	44.	40.	45.	85.	99.	82.	37.
Average kwh/af		277.	278.	278.	279.	279.	279.	279.	280.	280.	280.	279.	279.

Alcova Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	61.7	41.6	43.0	43.0	38.9	43.0	41.8	60.2	120.0	148.0	120.4	53.1
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
Maximum generation	gwh	13.566	13.301	19.951	27.472	24.820	27.472	26.275	27.552	26.656	27.552	27.552	26.656
Actual generation	gwh	8.506	5.658	5.848	5.848	5.290	5.848	5.768	8.428	16.800	20.720	16.856	7.434
Percent max generation		63.	43.	29.	21.	21.	21.	22.	31.	63.	75.	61.	28.
Average kwh/af		138.	136.	136.	136.	136.	136.	138.	140.	140.	140.	140.	140.

Glendo Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	2.6	45.2	100.9	122.6	232.5	221.4	156.1
Bypass	kaf	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	70.6	81.8	1.5
Maximum generation	gwh	16.089	12.289	14.988	12.755	20.200	25.710	26.232	27.881	27.185	25.660	20.473	12.861
Actual generation	gwh	0.000	0.000	0.000	0.000	0.000	0.287	5.160	11.717	14.304	25.660	20.473	10.048
Percent max generation		0.	0.	0.	0.	0.	1.	20.	42.	53.	100.	100.	78.
Average kwh/af		0.	0.	0.	0.	0.	110.	114.	116.	117.	110.	92.	64.

Guernsey Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	9.7	0.0	0.0	0.0	0.0	0.0	35.2	52.6	50.9	52.9	53.3	54.9
Bypass	kaf	0.3	0.2	0.3	0.4	0.3	0.3	0.4	57.4	76.1	258.1	249.7	132.1
Maximum generation	gwh	2.656	2.199	3.437	3.187	1.802	3.681	3.683	3.840	3.716	3.835	3.838	3.486
Actual generation	gwh	0.550	0.000	0.000	0.000	0.000	0.000	2.503	3.840	3.716	3.835	3.838	3.486
Percent max generation		21.	0.	0.	0.	0.	0.	68.	100.	100.	100.	100.	100.
Average kwh/af		57.	0.	0.	0.	0.	0.	71.	73.	73.	72.	72.	63.

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PROJECT GENERATION SUMMARY

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Base Generation:													
Glendo	gwh	0.000	0.000	0.000	0.000	0.000	0.287	5.160	11.717	14.304	25.660	20.473	10.048
Guernsey	gwh	0.550	0.000	0.000	0.000	0.000	0.000	2.503	3.840	3.716	3.835	3.838	3.486
Total	gwh	0.550	0.000	0.000	0.000	0.000	0.287	7.663	15.557	18.020	29.495	24.311	13.534
Load Following Generation:													
Seminoe	gwh	8.659	9.363	9.622	9.512	8.500	9.389	16.150	24.923	28.024	16.596	10.990	7.456
Kortes	gwh	8.462	9.202	9.512	9.512	8.600	9.512	16.340	19.402	18.765	15.858	10.544	7.190
Fremont Canyon	gwh	11.225	11.638	12.029	12.053	10.912	12.115	18.460	21.302	38.726	46.881	38.779	17.085
Alcova	gwh	8.506	5.658	5.848	5.848	5.290	5.848	5.768	8.428	16.800	20.720	16.856	7.434
Total	gwh	36.852	35.861	37.011	36.925	33.302	36.864	56.718	74.055	102.315	100.055	77.169	39.165
Total Generation	gwh	37.402	35.861	37.011	36.925	33.302	37.151	64.381	89.612	120.335	129.550	101.480	52.699
Total Capability	gwh	120.652	113.451	128.622	113.204	100.074	126.003	153.046	159.367	153.908	155.987	150.888	138.995

PROJECT RELEASE FLEXIBILITY

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Seminoe	Min kaf	49.2	29.8	30.8	30.8	27.8	30.8	95.0	144.9	157.7	92.2	61.3	41.8
	Max kaf	49.2	122.6	150.2	150.2	118.6	131.5	95.0	144.9	157.7	92.2	61.3	41.8
	Min gwh	8.659	5.215	5.359	5.298	4.726	5.229	16.150	24.923	28.024	16.596	10.990	7.456
	Max gwh	8.659	21.455	26.135	25.834	20.162	22.326	16.150	24.923	28.024	16.596	10.990	7.456
Kortes	Min kaf	49.2	29.8	30.8	30.8	27.8	30.8	95.0	144.9	157.7	92.2	61.3	41.8
	Max kaf	49.2	122.6	150.2	150.2	118.6	131.5	95.0	144.9	157.7	92.2	61.3	41.8
	Min gwh	8.462	5.126	5.298	5.298	4.782	5.298	16.340	19.402	18.765	15.858	10.544	7.190
	Max gwh	8.462	18.765	9.684	9.684	8.755	19.402	16.340	19.402	18.765	15.858	10.544	7.190
Fremont Canyon	Min kaf	40.5	30.1	30.9	30.9	28.0	31.1	66.1	76.2	138.4	167.6	138.8	61.2
	Max kaf	40.5	89.9	90.7	90.7	87.8	90.9	66.1	76.2	138.4	167.6	138.8	61.2
	Min gwh	11.225	8.361	8.604	8.622	7.814	8.681	18.460	21.302	38.726	46.881	38.779	17.085
	Max gwh	11.225	24.971	25.255	25.307	24.335	25.374	18.460	21.302	38.726	46.881	38.779	17.085
Alcova	Min kaf	61.7	29.8	30.7	30.7	27.8	30.7	41.8	60.2	120.0	148.0	120.4	53.1
	Max kaf	61.7	89.6	90.5	90.5	87.6	90.5	41.8	60.2	120.0	148.0	120.4	53.1
	Min gwh	8.506	4.053	4.175	4.175	3.781	4.175	5.768	8.428	16.800	20.720	16.856	7.434
	Max gwh	8.506	12.186	12.308	12.308	11.914	12.308	5.768	8.428	16.800	20.720	16.856	7.434
Load Following	Min gwh	36.852	22.755	23.436	23.393	21.103	23.383	56.718	74.055	102.315	100.055	77.169	39.165
	Max gwh	36.852	77.377	73.382	73.133	65.166	79.410	56.718	74.055	102.315	100.055	77.169	39.165
Total Project	Min gwh	37.402	22.755	23.436	23.393	21.103	23.670	64.381	89.612	120.335	129.550	101.480	52.699
	Max gwh	37.402	77.377	73.382	73.133	65.166	79.697	64.381	89.612	120.335	129.550	101.480	52.699

NORTH PLATTE RIVER OPERATING PLAN
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GENERATION CAPACITY AND DURATION

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Project Generation													
Base Generation:													
Glendo	mw	0.0	0.0	0.0	0.0	0.0	0.4	7.2	15.7	19.9	34.5	27.5	14.0
Guernsey	mw	0.7	0.0	0.0	0.0	0.0	0.0	3.5	5.2	5.2	5.2	5.2	4.8
Total Base Load	mw	0.7	0.0	0.0	0.0	0.0	0.4	10.7	20.9	25.1	39.7	32.7	18.8
Load Following Generation:													
Seminoe													
Min Capacity	mw	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.5	10.8	9.3	12.7	12.0	12.0
Max Capacity	mw	14.0	15.6	16.2	16.2	14.3	16.2	32.4	45.0	45.0	31.1	18.6	11.1
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	11.5	13.2	14.7	11.3	12.0	12.0
Kortes													
Min Capacity	mw	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Duration	mw	11.6	11.8	11.8	11.8	11.7	11.8	11.8	10.1	10.7	11.9	12.0	11.4
Max Capacity	mw	14.9	16.7	17.5	17.5	15.3	17.5	33.3	36.0	36.0	32.6	19.9	11.8
Duration	mw	12.4	12.2	12.2	12.2	12.3	12.2	12.2	13.9	13.3	12.1	12.0	12.6
Fremont Canyon													
Min Capacity	mw	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	66.0	7.5	7.5
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	4.3	12.0	4.2	12.0
Max Capacity	mw	26.0	27.2	28.4	28.4	24.7	28.6	47.0	55.2	66.0	66.0	66.0	43.0
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	19.7	12.0	19.8	12.0
Alcova													
Min Capacity	mw	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.6	8.2	11.6	12.0
Max Capacity	mw	18.5	12.6	13.2	13.2	11.5	13.2	12.7	18.1	36.0	36.0	36.0	16.2
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.4	15.8	12.4	12.0
Total Load Following													
Min Capacity	mw	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	82.3	23.8	23.8
Max Capacity	mw	73.4	72.1	75.3	75.3	65.8	75.5	125.4	154.3	183.0	165.7	140.5	82.1
Total Project Capacity													
Min Capacity	mw	24.5	23.8	23.8	23.8	23.8	24.2	34.5	44.7	48.9	122.0	56.5	42.6
Max Capacity	mw	74.1	72.1	75.3	75.3	65.8	75.9	136.1	175.2	208.1	205.4	173.2	100.9

NORTH PLATTE RIVER OPERATING PLAN
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HYDROLOGY OPERATIONS

Seminoe Reservoir Operations — Initial Content 864.5 Kaf — Operating Limits: Max 1017.3 Kaf, 6357.00 Ft. Min 31.7 Kaf, 6239.02 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total Inflow	kaf	26.5	24.5	22.4	18.6	21.5	47.0	79.2	123.5	121.0	32.3	18.6	13.1
Total Inflow	cfs	431.	412.	364.	303.	387.	764.	1331.	2009.	2033.	525.	303.	220.
Turbine Release	kaf	49.3	47.7	49.3	49.4	44.6	49.3	48.8	83.2	95.2	86.1	79.7	40.8
Jetflow 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
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
Total Release	kaf	49.3	47.7	49.3	49.4	44.6	49.3	48.8	83.2	95.2	86.1	79.7	40.8
Total Release	cfs	802.	802.	802.	803.	803.	802.	820.	1353.	1600.	1400.	1296.	686.
Evaporation	kaf	5.0	2.6	1.4	1.3	1.3	2.7	5.1	5.2	8.5	9.2	7.3	5.1
End-month content	kaf	837.8	812.3	784.4	752.8	729.0	724.5*	750.0*	782.4*	798.8*	736.3*	668.5*	636.0*
End-month elevation	ft	6347.5	6346.0	6344.3	6342.4	6340.9	6340.6	6342.2	6344.2	6345.2	6341.3	6336.8	6334.5

Kortes Reservoir Operations — Initial Content 4.7 Kaf — Operating Limits: Max 4.8 Kaf, 6142.73 Ft. Min 1.7 Kaf, 6092.73 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total Inflow	kaf	49.3	47.7	49.3	49.4	44.6	49.3	48.8	83.2	95.2	86.1	79.7	40.8
Total Inflow	cfs	802.	802.	802.	803.	803.	802.	820.	1353.	1600.	1400.	1296.	686.
Turbine Release	kaf	49.2	47.7	49.3	49.4	44.6	49.3	48.8	83.2	95.2	86.1	79.7	40.8
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
Total Release	kaf	49.2	47.7	49.3	49.4	44.6	49.3	48.8	83.2	95.2	86.1	79.7	40.8
Total Release	cfs	800.	802.	802.	803.	803.	802.	820.	1353.	1600.	1400.	1296.	686.

Pathfinder Reservoir Operations — Initial Content 760.5 Kaf — Operating Limits: Max 1016.5 Kaf, 5850.10 Ft. Min 31.4 Kaf, 5746.00 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Sweetwater Inflow	kaf	2.5	2.7	3.2	3.7	3.8	4.2	8.6	5.7	4.1	1.7	1.2	0.9
Kortes-Path Gain	kaf	2.3	1.0	1.7	-0.1	-0.1	3.8	2.9	3.3	4.8	7.4	8.0	3.2
Inflow from Kortes	kaf	49.2	47.7	49.3	49.4	44.6	49.3	48.8	83.2	95.2	86.1	79.7	40.8
Total Inflow	kaf	54.0	51.4	54.2	53.0	48.3	57.3	60.3	92.2	104.1	95.2	88.9	44.9
Total Inflow	cfs	878.	864.	881.	862.	870.	932.	1013.	1499.	1749.	1548.	1446.	755.
Turbine Release	kaf	40.5	41.9	43.2	43.2	39.0	43.3	108.7	141.1	157.4	169.0	168.8	76.9
Jetflow 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
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
Total Release	kaf	40.5	41.9	43.2	43.2	39.0	43.3	108.7	141.1	157.4	169.0	168.8	76.9
Total Release	cfs	659.	704.	703.	703.	702.	704.	1827.	2295.	2645.	2749.	2745.	1292.
Evaporation	kaf	5.1	2.8	1.6	1.5	1.6	3.3	6.0	6.9	9.5	9.6	7.4	5.1
End-month content	kaf	768.9	775.6	785.0	793.3	801.0	811.7	757.3	701.5	638.7	555.3	468.0	430.9
End-month elevation	ft	5837.8	5838.1	5838.7	5839.1	5839.5	5840.1	5837.1	5833.9	5830.0	5824.3	5817.5	5814.2

Alcova Reservoir Operations — Initial Content 177.8 Kaf — Operating Limits: Max 184.4 Kaf, 5500.00 Ft. Min 145.3 Kaf, 5483.12 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total Inflow	kaf	40.5	41.9	43.2	43.2	39.0	43.3	108.7	141.1	157.4	169.0	168.8	76.9
Total Inflow	cfs	659.	704.	703.	703.	702.	704.	1827.	2295.	2645.	2749.	2745.	1292.
Turbine Release	kaf	61.7	41.6	43.0	43.0	38.8	42.9	84.4	123.1	137.0	147.4	148.4	66.8
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
Casper Canal Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	19.0	20.0	19.0	9.0
Total Release	kaf	61.7	41.6	43.0	43.0	38.8	42.9	84.4	140.1	156.0	167.4	167.4	75.8
Total Release	cfs	1003.	699.	699.	699.	699.	698.	1418.	2279.	2622.	2723.	2723.	1274.
Evaporation	kaf	0.7	0.3	0.2	0.2	0.2	0.4	0.8	1.0	1.4	1.6	1.4	1.1
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*
End-month elevation	ft	5487.9	5487.9	5487.9	5487.9	5487.9	5487.9	5498.0	5498.0	5498.0	5498.0	5498.0	5498.0

NORTH PLATTE RIVER OPERATING PLAN
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Gray Reef Reservoir Operations — Initial Content 1.1 Kaf — Operating Limits: Max 1.8 Kaf, 5332.00 Ft. / Min 0.0 Kaf, 5306.00 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total Inflow	kaf	61.7	41.6	43.0	43.0	38.8	42.9	84.4	123.1	137.0	147.4	148.4	66.8
Total Inflow	cfs	1003.	699.	699.	699.	699.	698.	1418.	2002.	2302.	2397.	2413.	1123.
Total Release	kaf	60.9	41.6	43.0	43.0	38.8	42.9	84.3	123.0	136.9	147.3	148.3	66.7
Total Release	cfs	990.	699.	699.	699.	699.	698.	1417.	2000.	2301.	2396.	2412.	1121.

Glendo Reservoir Operations — Initial Content 124.1 Kaf — Operating Limits: Max 789.4 Kaf, 4653.00 Ft. / Min 63.2 Kaf, 4570.02 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Alcova-Glendo Gain	kaf	12.7	11.3	7.4	7.4	9.9	15.7	9.3	12.2	-3.0	-10.3	-2.5	10.9
Infl from Gray Reef	kaf	60.9	41.6	43.0	43.0	38.8	42.9	84.3	123.0	136.9	147.3	148.3	66.7
Total Inflow	kaf	73.6	52.9	50.4	50.4	48.7	58.6	93.6	135.2	133.9	137.0	145.8	77.6
Total Inflow	cfs	1197.	889.	820.	820.	877.	953.	1573.	2199.	2250.	2228.	2371.	1304.
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	1.1	39.5	143.9	174.9	223.0	215.1	90.2
Low Flow Release	kaf	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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
Irrigation Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	81.4	97.7	0.0
Total Release	kaf	1.5	1.5	1.5	1.5	1.5	2.6	41.0	145.4	176.4	305.9	314.3	91.7
Total Release	cfs	24.	25.	24.	24.	27.	42.	689.	2365.	2965.	4975.	5112.	1541.
Evaporation	kaf	1.2	0.8	0.8	0.9	1.0	1.9	3.3	4.9	6.3	5.8	3.3	1.5
End-month content	kaf	194.4*	244.8	292.8	340.7	386.8	440.8*	490.0*	475.4*	426.8*	252.3*	80.5*	65.0*
End-month elevation	ft	4598.8	4606.2	4612.4	4618.0	4623.0	4628.3	4632.7	4631.5	4627.0	4607.2	4575.2	4570.6

Guernsey Reservoir Operations — Initial Content 13.2 Kaf — Operating Limits: Max 45.6 Kaf, 4419.99 Ft. / Min 0.0 Kaf, 4370.00 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Glendo-Guerns Gain	kaf	2.9	2.1	2.0	1.5	1.5	1.5	0.3	0.5	-2.2	-2.6	-1.2	2.6
Inflow from Glendo	kaf	1.5	1.5	1.5	1.5	1.5	2.6	41.0	145.4	176.4	305.9	314.3	91.7
Total Inflow	kaf	4.4	3.6	3.5	3.0	3.0	4.1	41.3	145.9	174.2	303.3	313.1	94.3
Total Inflow	cfs	72.	60.	57.	49.	54.	67.	694.	2373.	2928.	4933.	5092.	1585.
Turbine Release	kaf	9.7	0.0	0.0	0.0	0.0	0.0	27.4	52.6	50.9	52.8	53.0	54.5
Seepage	kaf	0.3	0.2	0.3	0.4	0.3	0.3	0.4	1.2	3.0	3.1	2.5	2.1
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91.2	119.1	249.1	256.5	64.0
Total Release	kaf	10.0	0.2	0.3	0.4	0.3	0.3	27.8	145.0	173.0	305.0	312.0	120.6
Total Release	cfs	163.	3.	5.	7.	5.	5.	467.	2358.	2907.	4960.	5074.	2027.
Evaporation	kaf	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.9	1.2	1.3	1.1	0.7
End-month content	kaf	7.4#	10.6	13.6	16.0	18.5#	22.0*	35.0*	35.0*	35.0*	32.0*	32.0*	5.0*
End-month elevation	ft	4397.6	4400.8	4403.3	4405.0	4406.6	4408.7	4415.3	4415.3	4415.3	4413.9	4413.9	4394.5

NORTH PLATTE RIVER OPERATING PLAN
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OWNERSHIP OPERATIONS

North Platte Pathfinder — Initial Ownership 615.3 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	27.4	26.0	25.9	20.8	23.7	51.9	84.9	0.0	0.0	0.0	0.0	0.0
Evaporation	kaf	3.9	2.2	1.4	1.4	1.5	3.1	5.8	7.5	10.8	11.4	6.8	2.8
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	265.4	280.9	84.3
End-month Ownership	kaf	642.7	668.7	694.6	715.4	739.1	791.0	875.9	868.6	857.8	581.0	293.3	206.2

North Platte Guernsey — Initial Ownership 0.0 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	0.0	0.0	9.1	8.5	11.1	16.8	0.0	0.0	0.0	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.0	0.0	0.3	0.4	0.3	0.4	0.3	0.4	0.5	0.1	0.0	0.0
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.1	6.1	0.0	0.0
End-month Ownership	kaf	0.0	0.0	9.1	17.6	28.7	45.5	45.2	44.8	6.2	0.0	0.0	0.0

Inland Lakes — Initial Ownership 0.0 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	15.6	13.2	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.0	0.2	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0
Trnsfr fm Ownership	kaf	10.0	0.0	0.0	0.0	0.0	0.0	27.8	0.0	0.0	0.0	0.0	0.0
End-month Ownership	kaf	5.6	18.8	18.7	18.6	18.5	18.4	0.0	0.0	0.0	0.0	0.0	0.0

Kendrick — Initial Ownership1148.6 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	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
Evaporation	kaf	7.3	3.9	2.4	2.3	2.4	4.6	8.2	9.6	13.5	14.0	12.0	9.4
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	19.0	20.0	19.0	9.0
End-month Ownership	kaf	1141.3	1137.4	1135.0	1132.7	1130.3	1125.7	1117.5	1090.9	1058.4	1024.4	993.4	975.0

Glendo Unit — Initial Ownership 169.3 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Accrual	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
Evaporation	kaf	1.0	0.5	0.3	0.3	0.3	0.7	1.2	1.4	2.0	2.1	1.7	1.3
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.0	7.0	5.6
End-month Ownership	kaf	168.3	167.8	167.5	167.2	166.9	166.2	165.0	163.6	158.6	151.5	142.8	135.9

Excess to Ownership — Initial Ownership 7.7 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Accrual	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
Evaporation/Seepage	kaf	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.2	0.0	0.0	0.0
End-month total	kaf	7.6	7.5	7.5	7.5	7.5	7.5	7.4	7.3	0.0	0.0	0.0	0.0

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City of Cheyenne Initial Ownership 3.0 Kaf,

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Inflow	kaf	1.1	0.3	0.4	0.5	0.6	0.5	0.2	0.0	0.0	0.5	0.6	0.3
Evaporation	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1
Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.9	0.0	0.0	0.0
Ownership	kaf	4.1	4.4	4.8	5.3	5.9	6.4	6.6	3.9	2.9	3.4	3.9	4.1

Pacificorp Initial Ownership 2.0 Kaf,

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Inflow	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.2	0.0	0.1
Evaporation	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
Release	kaf	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Ownership	kaf	1.4	1.2	1.1	1.0	0.9	0.8	0.7	1.2	1.4	1.6	1.6	1.7

Other Initial Ownership 0.0 Kaf,

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Inflow	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
Evaporation	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
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
Ownership	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

IRRIGATION DELIVERY

Kendrick (Casper Canal)		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Requested	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	19.0	20.0	19.0	9.0
Delivered	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.0	19.0	20.0	19.0	9.0

Kendrick (River)		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Requested	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
Delivered	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

Guernsey Deliveries		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
North Platte Req	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145.0	170.0	300.0	305.0	115.0
Glendo Req	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.0	7.0	5.6
Inland Lakes Req	kaf	10.0	0.0	0.0	0.0	0.0	0.0	27.8	0.0	0.0	0.0	0.0	0.0
Total Requirement	kaf	10.0	0.0	0.0	0.0	0.0	0.0	27.8	145.0	173.0	305.0	312.0	120.6
Seepage	kaf	0.3	0.2	0.3	0.4	0.3	0.3	0.4	1.2	3.0	3.1	2.5	2.1
Actual Release	kaf	10.0	0.2	0.3	0.4	0.3	0.3	27.8	145.0	173.0	305.0	312.0	120.6

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POWER GENERATION

Seminoe Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	49.3	47.7	49.3	49.4	44.6	49.3	48.8	83.2	95.2	86.1	79.7	40.8
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
Maximum generation	gwh	22.070	21.473	33.443	33.437	20.166	22.338	32.407	33.471	32.390	33.454	33.480	31.542
Actual generation	gwh	8.677	8.348	8.578	8.497	7.615	8.381	8.315	14.310	16.534	14.809	13.463	6.770
Percent max generation		39.	39.	26.	25.	38.	38.	26.	43.	51.	44.	40.	21.
Average kwh/af		176.	175.	174.	172.	171.	170.	170.	172.	174.	172.	169.	166.

Kortes Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	49.2	47.7	49.3	49.4	44.6	49.3	48.8	83.2	95.2	86.1	79.7	40.8
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
Maximum generation	gwh	18.903	17.819	9.185	9.185	8.308	18.404	17.819	18.404	17.819	18.404	18.404	17.819
Actual generation	gwh	8.462	8.204	8.480	8.497	7.671	8.480	8.394	14.310	16.374	14.809	13.708	7.018
Percent max generation		45.	46.	92.	93.	92.	46.	47.	78.	92.	80.	74.	39.
Average kwh/af		172.	172.	172.	172.	172.	172.	172.	172.	172.	172.	172.	172.

Fremont Canyon		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	40.5	41.9	43.2	43.2	39.0	43.3	108.7	141.1	157.4	169.0	168.8	76.9
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
Maximum generation	gwh	46.861	45.402	47.001	26.561	24.316	27.400	45.509	46.542	44.511	45.199	44.188	42.038
Actual generation	gwh	11.223	11.628	12.007	12.028	10.875	12.082	30.237	38.836	42.824	45.172	44.110	19.760
Percent max generation		24.	26.	26.	45.	45.	44.	66.	83.	96.	100.	100.	47.
Average kwh/af		277.	278.	278.	278.	279.	279.	278.	275.	272.	267.	261.	257.

Alcova Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	61.7	41.6	43.0	43.0	38.8	42.9	84.4	123.1	137.0	147.4	148.4	66.8
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
Maximum generation	gwh	13.566	13.301	19.951	27.472	24.820	27.472	26.275	27.552	26.656	27.552	27.552	26.656
Actual generation	gwh	8.506	5.658	5.848	5.848	5.277	5.834	11.647	17.234	19.180	20.636	20.776	9.352
Percent max generation		63.	43.	29.	21.	21.	21.	44.	63.	72.	75.	75.	35.
Average kwh/af		138.	136.	136.	136.	136.	136.	138.	140.	140.	140.	140.	140.

Glendo Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	1.1	39.5	143.9	174.9	223.0	215.1	90.2
Bypass	kaf	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	82.9	99.2	1.5
Maximum generation	gwh	15.973	12.177	14.815	12.585	19.862	25.090	25.750	27.117	25.341	22.993	16.383	10.468
Actual generation	gwh	0.000	0.000	0.000	0.000	0.000	0.120	4.457	16.430	19.542	22.993	16.383	4.926
Percent max generation		0.	0.	0.	0.	0.	0.	17.	61.	77.	100.	100.	47.
Average kwh/af		0.	0.	0.	0.	0.	109.	113.	114.	112.	103.	76.	55.

Guernsey Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	9.7	0.0	0.0	0.0	0.0	0.0	27.4	52.6	50.9	52.8	53.0	54.5
Bypass	kaf	0.3	0.2	0.3	0.4	0.3	0.3	0.4	92.4	122.1	252.2	259.0	66.1
Maximum generation	gwh	2.640	2.160	3.410	3.168	1.796	3.678	3.683	3.840	3.716	3.839	3.837	3.515
Actual generation	gwh	0.546	0.000	0.000	0.000	0.000	0.000	1.948	3.840	3.716	3.839	3.837	3.515
Percent max generation		21.	0.	0.	0.	0.	0.	53.	100.	100.	100.	100.	100.
Average kwh/af		56.	0.	0.	0.	0.	0.	71.	73.	73.	73.	72.	64.

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PROJECT GENERATION SUMMARY

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Base Generation:													
Glendo	gwh	0.000	0.000	0.000	0.000	0.000	0.120	4.457	16.430	19.542	22.993	16.383	4.926
Guernsey	gwh	0.546	0.000	0.000	0.000	0.000	0.000	1.948	3.840	3.716	3.839	3.837	3.515
Total	gwh	0.546	0.000	0.000	0.000	0.000	0.120	6.405	20.270	23.258	26.832	20.220	8.441
Load Following Generation:													
Seminoe	gwh	8.677	8.348	8.578	8.497	7.615	8.381	8.315	14.310	16.534	14.809	13.463	6.770
Kortes	gwh	8.462	8.204	8.480	8.497	7.671	8.480	8.394	14.310	16.374	14.809	13.708	7.018
Fremont Canyon	gwh	11.223	11.628	12.007	12.028	10.875	12.082	30.237	38.836	42.824	45.172	44.110	19.760
Alcova	gwh	8.506	5.658	5.848	5.848	5.277	5.834	11.647	17.234	19.180	20.636	20.776	9.352
Total	gwh	36.868	33.838	34.913	34.870	31.438	34.777	58.593	84.690	94.912	95.426	92.057	42.900
Total Generation	gwh	37.414	33.838	34.913	34.870	31.438	34.897	64.998	104.960	118.170	122.258	112.277	51.341
Total Capability	gwh	120.013	112.332	127.805	112.408	99.268	124.382	151.443	156.926	150.433	151.441	143.844	132.038

PROJECT RELEASE FLEXIBILITY

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Seminoe	Min kaf	30.9	29.8	30.8	30.8	27.8	30.8	48.8	83.2	95.2	86.1	79.7	40.8
	Max kaf	125.4	122.7	139.5	139.5	118.1	131.4	48.8	83.2	95.2	86.1	79.7	40.8
	Min gwh	5.438	5.215	5.359	5.298	4.747	5.236	8.315	14.310	16.534	14.809	13.463	6.770
	Max gwh	22.070	21.473	24.273	23.994	20.166	22.338	8.315	14.310	16.534	14.809	13.463	6.770
Kortes	Min kaf	30.8	29.8	30.8	30.8	27.8	30.8	48.8	83.2	95.2	86.1	79.7	40.8
	Max kaf	125.3	122.7	139.5	139.5	118.1	131.4	48.8	83.2	95.2	86.1	79.7	40.8
	Min gwh	5.298	5.126	5.298	5.298	4.782	5.298	8.394	14.310	16.374	14.809	13.708	7.018
	Max gwh	18.903	17.819	9.185	9.185	8.308	18.404	8.394	14.310	16.374	14.809	13.708	7.018
Fremont Canyon	Min kaf	40.5	30.1	30.9	30.9	28.0	31.1	108.7	141.1	157.4	169.0	168.8	76.9
	Max kaf	40.5	89.7	90.5	90.5	87.6	90.7	108.7	141.1	157.4	169.0	168.8	76.9
	Min gwh	11.223	8.353	8.589	8.603	7.808	8.678	30.237	38.836	42.824	45.172	44.110	19.760
	Max gwh	11.223	24.894	25.154	25.197	24.316	25.308	30.237	38.836	42.824	45.172	44.110	19.760
Alcova	Min kaf	61.7	29.8	30.7	30.7	27.8	30.7	84.4	123.1	137.0	147.4	148.4	66.8
	Max kaf	61.7	89.4	90.3	90.3	87.4	90.3	84.4	123.1	137.0	147.4	148.4	66.8
	Min gwh	8.506	4.053	4.175	4.175	3.781	4.175	11.647	17.234	19.180	20.636	20.776	9.352
	Max gwh	8.506	12.158	12.281	12.281	11.886	12.281	11.647	17.234	19.180	20.636	20.776	9.352
Load Following	Min gwh	30.465	22.747	23.421	23.374	21.118	23.387	58.593	84.690	94.912	95.426	92.057	42.900
	Max gwh	60.702	76.344	70.893	70.657	64.676	78.331	58.593	84.690	94.912	95.426	92.057	42.900
Total Project	Min gwh	31.011	22.747	23.421	23.374	21.118	23.507	64.998	104.960	118.170	122.258	112.277	51.341
	Max gwh	61.248	76.344	70.893	70.657	64.676	78.451	64.998	104.960	118.170	122.258	112.277	51.341

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GENERATION CAPACITY AND DURATION

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Project Generation													
Base Generation:													
Glendo	mw	0.0	0.0	0.0	0.0	0.0	0.2	6.2	22.1	27.1	30.9	22.0	6.8
Guernsey	mw	0.7	0.0	0.0	0.0	0.0	0.0	2.7	5.2	5.2	5.2	5.2	4.9
Total Base Load	mw	0.7	0.0	0.0	0.0	0.0	0.2	8.9	27.3	32.3	36.1	27.2	11.7
Load Following Generation:													
Seminoe													
Min Capacity	mw	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.4	12.5	12.6	12.3	12.0
Max Capacity	mw	14.0	13.4	14.0	14.0	12.2	14.0	13.8	27.6	32.5	28.6	26.4	10.7
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.6	11.5	11.4	11.7	12.0
Kortes													
Min Capacity	mw	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Duration	mw	11.6	11.6	11.6	11.6	11.5	11.6	11.6	11.8	11.8	11.9	11.7	11.3
Max Capacity	mw	14.9	14.3	15.0	15.0	13.0	15.0	14.7	28.4	33.4	29.9	26.5	11.3
Duration	mw	12.4	12.4	12.4	12.4	12.5	12.4	12.4	12.2	12.2	12.1	12.3	12.7
Fremont Canyon													
Min Capacity	mw	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	66.0	66.0	66.0	7.5
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	9.3	3.9	12.0	12.0	12.0	12.0
Max Capacity	mw	26.0	27.2	28.4	28.4	24.6	28.5	66.0	66.0	66.0	66.0	66.0	55.7
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	14.7	20.1	12.0	12.0	12.0	12.0
Alcova													
Min Capacity	mw	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.2	9.5	8.2	8.1	12.0
Max Capacity	mw	18.5	12.6	13.2	13.2	11.4	13.1	25.9	36.0	36.0	36.0	36.0	20.0
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.8	14.5	15.8	15.9	12.0
Total Load Following													
Min Capacity	mw	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	82.3	82.3	82.3	23.8
Max Capacity	mw	73.4	67.5	70.6	70.6	61.2	70.6	120.4	158.0	167.9	160.5	154.9	97.7
Total Project Capacity													
Min Capacity	mw	24.5	23.8	23.8	23.8	23.8	24.0	32.7	51.1	114.6	118.4	109.5	35.5
Max Capacity	mw	74.1	67.5	70.6	70.6	61.2	70.8	129.3	185.3	200.2	196.6	182.1	109.4

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HYDROLOGY OPERATIONS

Seminoe Reservoir Operations — Initial Content 864.5 Kaf — Operating Limits: Max 1017.3 Kaf, 6357.00 Ft. Min 31.7 Kaf, 6239.02 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total Inflow	kaf	36.2	32.6	27.1	25.3	27.2	57.0	126.0	408.2	575.9	220.0	63.2	35.6
Total Inflow	cfs	589.	548.	441.	411.	490.	927.	2117.	6639.	9678.	3578.	1028.	598.
Turbine Release	kaf	49.3	80.3	53.4	53.4	48.3	55.0	178.7	197.7	181.7	180.1	104.5	65.4
Jetflow Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.5	174.7	39.5	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
Total Release	kaf	49.3	80.3	53.4	53.4	48.3	55.0	178.7	312.2	356.4	219.6	104.5	65.4
Total Release	cfs	802.	1349.	868.	868.	870.	894.	3003.	5077.	5989.	3571.	1700.	1099.
Evaporation	kaf	5.0	2.6	1.4	1.3	1.3	2.7	4.8	4.8	9.1	10.9	9.2	6.5
End-month content	kaf	847.5*	797.5*	770.2*	741.3*	719.5*	719.3*	662.0*	750.5*	960.0*	950.0*	900.1*	864.1*
End-month elevation	ft	6348.0	6345.1	6343.5	6341.7	6340.3	6340.2	6336.4	6342.2	6354.1	6353.6	6351.0	6349.0

Kortes Reservoir Operations — Initial Content 4.7 Kaf — Operating Limits: Max 4.8 Kaf, 6142.73 Ft. Min 1.7 Kaf, 6092.73 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total Inflow	kaf	49.3	80.3	53.4	53.4	48.3	55.0	178.7	312.2	356.4	219.6	104.5	65.4
Total Inflow	cfs	802.	1349.	868.	868.	870.	894.	3003.	5077.	5989.	3571.	1700.	1099.
Turbine Release	kaf	49.2	80.3	53.4	53.4	48.3	55.0	103.6	107.0	103.6	107.0	104.5	65.4
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	75.1	205.2	252.8	112.6	0.0	0.0
Total Release	kaf	49.2	80.3	53.4	53.4	48.3	55.0	178.7	312.2	356.4	219.6	104.5	65.4
Total Release	cfs	800.	1349.	868.	868.	870.	894.	3003.	5077.	5989.	3571.	1700.	1099.

Pathfinder Reservoir Operations — Initial Content 760.5 Kaf — Operating Limits: Max 1016.5 Kaf, 5850.10 Ft. Min 31.4 Kaf, 5746.00 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Sweetwater Inflow	kaf	3.7	3.9	2.7	2.0	2.5	5.4	19.1	50.3	42.8	11.5	4.6	3.1
Kortes-Path Gain	kaf	3.3	-0.1	-0.4	0.6	1.7	4.9	8.4	18.7	4.3	6.9	6.5	4.2
Inflow from Kortes	kaf	49.2	80.3	53.4	53.4	48.3	55.0	178.7	312.2	356.4	219.6	104.5	65.4
Total Inflow	kaf	56.2	84.1	55.7	56.0	52.5	65.3	206.2	381.2	403.5	238.0	115.6	72.7
Total Inflow	cfs	914.	1413.	906.	911.	945.	1062.	3465.	6200.	6781.	3871.	1880.	1222.
Turbine Release	kaf	40.9	43.1	44.4	44.3	40.1	86.7	163.6	169.1	163.6	169.1	135.3	73.7
Jetflow Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	33.6	145.9	122.7	127.3	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
Total Release	kaf	40.9	43.1	44.4	44.3	40.1	86.7	197.2	315.0	286.3	296.4	135.3	73.7
Total Release	cfs	665.	724.	722.	720.	722.	1410.	3314.	5123.	4811.	4820.	2200.	1239.
Evaporation	kaf	5.1	2.8	1.6	1.6	1.6	3.3	6.2	7.7	12.2	13.7	11.8	8.9
End-month content	kaf	770.7	808.9	818.6	828.7	839.5	814.8	817.6	876.1	981.1	909.0	877.5	867.6
End-month elevation	ft	5837.9	5839.9	5840.5	5841.0	5841.5	5840.3	5840.4	5843.4	5848.5	5845.0	5843.5	5843.0

Alcova Reservoir Operations — Initial Content 177.8 Kaf — Operating Limits: Max 184.4 Kaf, 5500.00 Ft. Min 100.0 Kaf, 5459.92 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total Inflow	kaf	40.9	43.1	44.4	44.3	40.1	86.7	197.2	315.0	286.3	296.4	135.3	73.7
Total Inflow	cfs	665.	724.	722.	720.	722.	1410.	3314.	5123.	4811.	4820.	2200.	1239.
Turbine Release	kaf	62.1	42.8	44.2	44.1	39.9	86.3	172.9	196.8	190.4	196.8	116.9	65.6
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102.2	77.5	80.0	0.0	0.0
Casper Canal Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	17.0	18.0	17.0	7.0
Total Release	kaf	62.1	42.8	44.2	44.1	39.9	86.3	172.9	314.0	284.9	294.8	133.9	72.6
Total Release	cfs	1010.	719.	719.	717.	718.	1404.	2906.	5107.	4788.	4794.	2178.	1220.
Evaporation	kaf	0.7	0.3	0.2	0.2	0.2	0.4	0.8	1.0	1.4	1.6	1.4	1.1
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*
End-month elevation	ft	5487.9	5487.9	5487.9	5487.9	5487.9	5487.9	5498.0	5498.0	5498.0	5498.0	5498.0	5498.0

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Gray Reef Reservoir Operations — Initial Content 1.1 Kaf — Operating Limits: Max 1.8 Kaf, 5332.00 Ft. Min 0.0 Kaf, 5306.00 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Total Inflow	kaf	62.1	42.8	44.2	44.1	39.9	86.3	172.9	299.0	267.9	276.8	116.9	65.6
Total Inflow	cfs	1010.	719.	719.	717.	718.	1404.	2906.	4863.	4502.	4502.	1901.	1102.
Total Release	kaf	61.3	42.8	44.2	44.1	39.9	86.3	172.8	298.9	267.8	276.7	116.8	65.5
Total Release	cfs	997.	719.	719.	717.	718.	1404.	2904.	4861.	4501.	4500.	1900.	1101.

Glendo Reservoir Operations — Initial Content 124.1 Kaf — Operating Limits: Max 789.4 Kaf, 4653.00 Ft. Min 63.2 Kaf, 4570.02 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Alcova-Glendo Gain	kaf	14.5	13.4	4.4	13.2	12.5	17.0	49.4	202.1	73.4	8.6	9.7	18.3
Infl from Gray Reef	kaf	61.3	42.8	44.2	44.1	39.9	86.3	172.8	298.9	267.8	276.7	116.8	65.5
Total Inflow	kaf	75.8	56.2	48.6	57.3	52.4	103.3	222.2	501.0	341.2	285.3	126.5	83.8
Total Inflow	cfs	1233.	944.	790.	932.	944.	1680.	3734.	8148.	5734.	4640.	2057.	1408.
Turbine Release	kaf	0.0	0.0	0.0	0.0	46.2	150.2	155.5	233.4	231.7	231.7	221.4	107.6
Low Flow Release	kaf	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
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
Irrigation Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	112.2	132.7	166.3	34.8	0.0
Total Release	kaf	1.5	1.5	1.5	1.5	47.7	151.7	157.0	347.1	365.9	399.5	257.7	109.1
Total Release	cfs	24.	25.	24.	24.	859.	2467.	2638.	5645.	6149.	6497.	4191.	1833.
Evaporation	kaf	1.2	0.9	0.8	0.9	1.0	1.6	2.6	4.6	7.0	6.9	4.8	3.0
End-month content	kaf	196.6*	250.2	296.4	351.2	354.8*	304.7*	367.2*	517.0*	485.5*	364.4*	228.4*	200.1*
End-month elevation	ft	4599.1	4606.9	4612.8	4619.2	4619.6	4613.9	4621.0	4635.0	4632.3	4620.7	4603.9	4599.7

Guernsey Reservoir Operations — Initial Content 13.2 Kaf — Operating Limits: Max 45.6 Kaf, 4419.99 Ft. Min 0.0 Kaf, 4370.00 Ft.

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Glendo-Guerns Gain	kaf	3.4	1.8	1.4	2.0	1.4	0.6	7.1	28.8	27.3	9.1	1.2	5.2
Inflow from Glendo	kaf	1.5	1.5	1.5	1.5	47.7	151.7	157.0	347.1	365.9	399.5	257.7	109.1
Total Inflow	kaf	4.9	3.3	2.9	3.5	49.1	152.3	164.1	375.9	393.2	408.6	258.9	114.3
Total Inflow	cfs	80.	55.	47.	57.	884.	2477.	2758.	6113.	6608.	6645.	4211.	1921.
Turbine Release	kaf	9.7	0.0	0.0	0.0	27.3	53.1	51.1	52.6	50.9	52.8	53.0	54.5
Seepage	kaf	0.3	0.2	0.3	0.4	0.3	0.3	0.4	1.2	3.0	3.1	2.5	2.1
Spillway Release	kaf	0.0	0.0	0.0	0.0	7.4	96.6	109.1	321.2	338.1	355.1	202.5	84.0
Total Release	kaf	10.0	0.2	0.3	0.4	35.0	150.0	160.6	375.0	392.0	411.0	258.0	140.6
Total Release	cfs	163.	3.	5.	7.	630.	2440.	2699.	6099.	6588.	6684.	4196.	2363.
Evaporation	kaf	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.9	1.2	0.4	1.1	0.7
End-month content	kaf	7.9#	10.8	13.2	16.1#	30.0*	32.0*	35.0*	35.0*	35.0*	32.2*	32.0*	5.0*
End-month elevation	ft	4398.2	4401.0	4403.0	4405.1	4412.9	4413.9	4415.3	4415.3	4415.3	4414.0	4413.9	4394.5

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OWNERSHIP OPERATIONS

North Platte Pathfinder — Initial Ownership 615.3 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	39.3	34.2	28.0	26.4	29.9	64.2	147.3	31.9	0.0	0.0	0.0	0.0
Evaporation	kaf	3.9	2.2	1.4	1.5	1.5	3.1	6.2	9.1	6.4	6.2	5.6	4.3
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	525.5	0.0	0.0	0.0	0.0
End-month Ownership	kaf	654.6	688.8	716.8	743.2	773.1	837.3	984.6	491.0	484.6	478.4	472.8	468.5

North Platte Guernsey — Initial Ownership 0.0 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	0.0	0.0	5.5	14.8	13.9	11.4	0.0	0.0	0.0	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.0	0.0	0.3	0.4	0.0	0.1	0.3	0.4	0.0	0.0	0.0	0.0
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.9	0.0	0.0	0.0	0.0
End-month Ownership	kaf	0.0	0.0	5.5	20.3	34.2	45.6	45.3	0.0	0.0	0.0	0.0	0.0

Inland Lakes — Initial Ownership 0.0 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	17.9	15.0	0.0	0.0	0.0	0.0	13.1	0.0	0.0	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.0	0.2	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0
Trnsfr fm Ownership	kaf	10.0	0.0	0.0	0.0	0.0	0.0	35.6	0.0	0.0	0.0	0.0	0.0
End-month Ownership	kaf	7.9	22.9	22.8	22.7	22.6	22.5	0.0	0.0	0.0	0.0	0.0	0.0

Kendrick — Initial Ownership1148.6 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.6	0.0	0.0	0.0	0.0
Evaporation	kaf	7.3	3.9	2.4	2.3	2.3	4.3	7.0	7.8	15.8	15.0	13.6	10.6
Deliv fm Ownership	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
End-month Ownership	kaf	1141.3	1137.4	1135.0	1132.7	1130.4	1126.1	1119.1	1201.7	1185.9	1170.9	1157.3	1146.7

Glendo Unit — Initial Ownership 169.3 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Accrual	kaf	0.0	0.0	0.0	0.0	0.0	6.1	11.1	0.0	0.0	0.0	0.0	0.0
Evaporation	kaf	1.0	0.6	0.3	0.3	0.4	0.7	1.3	1.7	2.4	2.3	2.0	1.6
Deliv fm Ownership	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
End-month Ownership	kaf	168.3	167.7	167.4	167.1	166.7	172.1	181.9	180.2	177.8	175.5	173.5	171.9

Excess to Ownership — Initial Ownership 7.7 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Accrual	kaf	0.0	0.0	0.0	0.0	0.0	0.0	32.1	486.7	614.7	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	6.3	10.0	7.1	3.8
Release	kaf	0.0	0.0	0.0	0.0	35.0	150.0	125.0	-270.4	300.0	172.9	189.8	81.2
End-month total	kaf	7.6	7.5	7.5	7.5	-27.5	-177.5	-270.4	486.7	795.1	612.2	415.3	330.3

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City of Cheyenne Initial Ownership 3.0 Kaf,

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Inflow	kaf	1.1	0.3	0.4	0.5	0.6	0.5	0.2	0.0	0.0	0.5	0.6	0.3
Evaporation	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.9	0.0	0.0	0.0
Ownership	kaf	4.1	4.4	4.8	5.3	5.9	6.4	6.6	3.8	2.8	3.2	3.7	4.0

Pacificorp Initial Ownership 2.0 Kaf,

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Inflow	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.0	0.0
Evaporation	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
Release	kaf	0.6	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Ownership	kaf	1.4	1.2	1.1	1.0	0.9	0.8	0.7	1.2	1.4	1.4	1.4	1.4

Other Initial Ownership 0.0 Kaf,

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Inflow	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
Evaporation	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
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
Ownership	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

IRRIGATION DELIVERY

Kendrick (Casper Canal)		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Requested	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	17.0	18.0	17.0	7.0
Delivered	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	17.0	18.0	17.0	7.0

Kendrick (River)		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Requested	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
Delivered	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

Guernsey Deliveries		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
North Platte Req	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0	90.0	305.0	250.0	135.0
Glendo Req	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0	8.0	5.6
Inland Lakes Req	kaf	10.0	0.0	0.0	0.0	0.0	0.0	35.6	0.0	0.0	0.0	0.0	0.0
Total Requirement	kaf	10.0	0.0	0.0	0.0	0.0	0.0	35.6	75.0	92.0	311.0	258.0	140.6
Seepage	kaf	0.3	0.2	0.3	0.4	0.3	0.3	0.4	1.2	3.0	3.1	2.5	2.1
Actual Release	kaf	10.0	0.2	0.3	0.4	35.0	150.0	160.6	375.0	392.0	411.0	258.0	140.6
Waste	kaf	0.0	0.0	0.0	0.0	34.7	149.7	125.0	300.0	300.0	100.0	0.0	0.0

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POWER GENERATION

Seminoe Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	49.3	80.3	53.4	53.4	48.3	55.0	178.7	197.7	181.7	180.1	104.5	65.4
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.5	174.7	39.5	0.0	0.0
Maximum generation	gwh	22.035	21.469	33.442	33.488	20.162	22.338	32.239	33.472	31.979	32.406	32.645	31.807
Actual generation	gwh	8.677	14.039	9.238	9.185	8.211	9.350	30.022	33.472	31.979	32.406	18.703	11.576
Percent max generation		39.	65.	28.	27.	41.	42.	93.	100.	100.	100.	57.	36.
Average kwh/af		176.	175.	173.	172.	170.	170.	168.	169.	176.	180.	179.	177.

Kortes Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	49.2	80.3	53.4	53.4	48.3	55.0	103.6	107.0	103.6	107.0	104.5	65.4
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	0.0	75.1	205.2	252.8	112.6	0.0	0.0
Maximum generation	gwh	18.903	17.819	9.185	9.185	8.308	18.404	17.819	18.404	17.819	18.404	18.404	17.819
Actual generation	gwh	8.462	13.812	9.185	9.185	8.308	9.460	17.819	18.404	17.819	18.404	17.974	11.249
Percent max generation		45.	78.	100.	100.	100.	51.	100.	100.	100.	100.	98.	63.
Average kwh/af		172.	172.	172.	172.	172.	172.	172.	172.	172.	172.	172.	172.

Fremont Canyon		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	40.9	43.1	44.4	44.3	40.1	86.7	163.6	169.1	163.6	169.1	135.3	73.7
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	0.0	33.6	145.9	122.7	127.3	0.0	0.0
Maximum generation	gwh	46.869	45.555	47.189	26.626	24.341	27.409	45.656	47.213	45.734	47.283	47.246	45.695
Actual generation	gwh	11.336	12.001	12.390	12.364	11.194	24.199	45.656	47.213	45.734	47.283	37.802	20.585
Percent max generation		24.	26.	26.	46.	46.	88.	100.	100.	100.	100.	80.	45.
Average kwh/af		277.	278.	279.	279.	279.	279.	279.	279.	280.	280.	279.	279.

Alcova Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	62.1	42.8	44.2	44.1	39.9	86.3	172.9	196.8	190.4	196.8	116.9	65.6
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102.2	77.5	80.0	0.0	0.0
Maximum generation	gwh	13.566	13.301	19.951	27.472	24.820	27.472	26.275	27.552	26.656	27.552	27.552	26.656
Actual generation	gwh	8.561	5.821	6.011	5.998	5.426	11.737	23.860	27.552	26.656	27.552	16.366	9.184
Percent max generation		63.	44.	30.	22.	22.	43.	91.	100.	100.	100.	59.	34.
Average kwh/af		138.	136.	136.	136.	136.	136.	138.	140.	140.	140.	140.	140.

Glendo Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	0.0	0.0	0.0	0.0	46.2	150.2	155.5	233.4	231.7	231.7	221.4	107.6
Bypass	kaf	1.5	1.5	1.5	1.5	1.5	1.5	1.5	113.7	134.2	167.8	36.3	1.5
Maximum generation	gwh	16.039	12.250	14.913	12.716	19.611	22.722	22.160	25.916	26.787	25.420	21.706	18.549
Actual generation	gwh	0.000	0.000	0.000	0.000	4.812	15.373	15.990	25.916	26.787	25.420	21.706	9.318
Percent max generation		0.	0.	0.	0.	25.	68.	72.	100.	100.	100.	100.	50.
Average kwh/af		0.	0.	0.	0.	104.	102.	103.	111.	116.	110.	98.	87.

Guernsey Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	9.7	0.0	0.0	0.0	27.3	53.1	51.1	52.6	50.9	52.8	53.0	54.5
Bypass	kaf	0.3	0.2	0.3	0.4	7.7	96.9	109.5	322.4	341.1	358.2	205.0	86.1
Maximum generation	gwh	2.652	2.172	3.410	3.166	1.852	3.834	3.715	3.840	3.716	3.840	3.838	3.515
Actual generation	gwh	0.549	0.000	0.000	0.000	1.852	3.834	3.715	3.840	3.716	3.840	3.838	3.515
Percent max generation		21.	0.	0.	0.	100.	100.	100.	100.	100.	100.	100.	100.
Average kwh/af		57.	0.	0.	0.	68.	72.	73.	73.	73.	73.	72.	64.

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 1998

PROJECT GENERATION SUMMARY

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Base Generation:													
Glendo	gwh	0.000	0.000	0.000	0.000	4.812	15.373	15.990	25.916	26.787	25.420	21.706	9.318
Guernsey	gwh	0.549	0.000	0.000	0.000	1.852	3.834	3.715	3.840	3.716	3.840	3.838	3.515
Total	gwh	0.549	0.000	0.000	0.000	6.664	19.207	19.705	29.756	30.503	29.260	25.544	12.833
Load Following Generation:													
Seminoe	gwh	8.677	14.039	9.238	9.185	8.211	9.350	30.022	33.472	31.979	32.406	18.703	11.576
Kortes	gwh	8.462	13.812	9.185	9.185	8.308	9.460	17.819	18.404	17.819	18.404	17.974	11.249
Fremont Canyon	gwh	11.336	12.001	12.390	12.364	11.194	24.199	45.656	47.213	45.734	47.283	37.802	20.585
Alcova	gwh	8.561	5.821	6.011	5.998	5.426	11.737	23.860	27.552	26.656	27.552	16.366	9.184
Total	gwh	37.036	45.673	36.824	36.732	33.139	54.746	117.357	126.641	122.188	125.645	90.845	52.594
Total Generation	gwh	37.585	45.673	36.824	36.732	39.803	73.953	137.062	156.397	152.691	154.905	116.389	65.427
Total Capability	gwh	120.064	112.566	128.090	112.653	99.094	122.179	147.864	156.397	152.691	154.905	151.391	144.041

PROJECT RELEASE FLEXIBILITY

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Seminoe	Min kaf	49.3	80.3	53.4	53.4	48.3	55.0	178.7	312.2	356.4	219.6	104.5	65.4
	Max kaf	49.3	80.3	53.4	53.4	48.3	55.0	178.7	312.2	356.4	219.6	104.5	65.4
	Min gwh	8.677	14.039	9.238	9.185	8.211	9.350	30.022	33.472	31.979	32.406	18.703	11.576
	Max gwh	8.677	14.039	9.238	9.185	8.211	9.350	30.022	33.472	31.979	32.406	18.703	11.576
Kortes	Min kaf	49.2	80.3	53.4	53.4	48.3	55.0	178.7	312.2	356.4	219.6	104.5	65.4
	Max kaf	49.2	80.3	53.4	53.4	48.3	55.0	178.7	312.2	356.4	219.6	104.5	65.4
	Min gwh	8.462	13.812	9.185	9.185	8.308	9.460	17.819	18.404	17.819	18.404	17.974	11.249
	Max gwh	8.462	13.812	9.185	9.185	8.308	9.460	17.819	18.404	17.819	18.404	17.974	11.249
Fremont Canyon	Min kaf	40.9	30.1	30.9	30.9	28.0	86.7	197.2	315.0	286.3	296.4	135.3	73.7
	Max kaf	40.9	82.1	82.9	82.9	80.0	86.7	197.2	315.0	286.3	296.4	135.3	73.7
	Min gwh	11.336	8.382	8.623	8.624	7.816	24.199	45.656	47.213	45.734	47.283	37.802	20.585
	Max gwh	11.336	22.861	23.134	23.137	22.332	24.199	45.656	47.213	45.734	47.283	37.802	20.585
Alcova	Min kaf	62.1	29.8	30.7	30.7	27.8	86.3	172.9	299.0	267.9	276.8	116.9	65.6
	Max kaf	62.1	81.8	82.7	82.7	79.8	86.3	172.9	299.0	267.9	276.8	116.9	65.6
	Min gwh	8.561	4.053	4.175	4.175	3.781	11.737	23.860	27.552	26.656	27.552	16.366	9.184
	Max gwh	8.561	11.125	11.247	11.247	10.853	11.737	23.860	27.552	26.656	27.552	16.366	9.184
Load Following	Min gwh	37.036	40.286	31.221	31.169	28.116	54.746	117.357	126.641	122.188	125.645	90.845	52.594
	Max gwh	37.036	61.837	52.804	52.754	49.704	54.746	117.357	126.641	122.188	125.645	90.845	52.594
Total Project	Min gwh	37.585	40.286	31.221	31.169	34.780	73.953	137.062	156.397	152.691	154.905	116.389	65.427
	Max gwh	37.585	61.837	52.804	52.754	56.368	73.953	137.062	156.397	152.691	154.905	116.389	65.427

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Oct 1998

GENERATION CAPACITY AND DURATION

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Project Generation													
Base Generation:													
Glendo	mw	0.0	0.0	0.0	0.0	7.2	20.7	22.2	34.8	37.2	34.2	29.2	12.9
Guernsey	mw	0.7	0.0	0.0	0.0	2.8	5.2	5.2	5.2	5.2	5.2	5.2	4.9
Total Base Load	mw	0.7	0.0	0.0	0.0	10.0	25.9	27.4	40.0	42.4	39.4	34.4	17.8
Load Following Generation:													
Seminoe													
Min Capacity	mw	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Duration	mw	12.0	12.3	12.0	12.0	12.0	12.0	6.8	6.8	6.8	6.8	12.0	12.0
Max Capacity	mw	14.0	26.6	15.5	15.5	13.6	16.1	45.0	45.0	45.0	45.0	37.0	20.4
Duration	mw	12.0	11.7	12.0	12.0	12.0	12.0	17.2	17.2	17.2	17.2	12.0	12.0
Kortes													
Min Capacity	mw	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Duration	mw	11.6	11.7	11.8	11.8	11.6	11.8	11.5	11.1	11.5	11.1	11.4	11.9
Max Capacity	mw	14.9	26.8	16.7	16.7	14.5	17.4	35.6	36.0	35.6	36.0	35.9	21.1
Duration	mw	12.4	12.3	12.2	12.2	12.4	12.2	12.5	12.9	12.5	12.9	12.6	12.1
Fremont Canyon													
Min Capacity	mw	7.5	7.5	7.5	7.5	7.5	7.5	66.0	66.0	66.0	66.0	7.5	7.5
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	4.8	12.0
Max Capacity	mw	26.3	28.3	29.5	29.4	25.6	62.2	66.0	66.0	66.0	66.0	66.0	53.3
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	19.2	12.0
Alcova													
Min Capacity	mw	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	5.1	1.9	3.0	1.9	11.7	12.0
Max Capacity	mw	18.6	13.1	13.7	13.6	11.9	26.6	36.0	36.0	36.0	36.0	35.6	19.7
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	18.9	22.1	21.0	22.1	12.3	12.0
Total Load Following													
Min Capacity	mw	23.8	23.8	23.8	23.8	23.8	23.8	82.3	82.3	82.3	82.3	23.8	23.8
Max Capacity	mw	73.8	94.8	75.4	75.2	65.6	122.3	182.6	183.0	182.6	183.0	174.5	114.5
Total Project Capacity													
Min Capacity	mw	24.5	23.8	23.8	23.8	33.8	49.7	109.7	122.3	124.7	121.7	58.2	41.6
Max Capacity	mw	74.5	94.8	75.4	75.2	75.6	148.2	210.0	223.0	225.0	222.4	208.9	132.3

GLOSSARY

Acre-Foot - A measure of volume of water equal to an area of 1 acre covered with water 1 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 (c.f.s.) - The rate of discharge representing a volume of 1 cubic foot passing a given point during 1 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 1 cubic foot per second for 24 hours is equivalent to 86,400 cubic feet, approximately 1.983 acre-feet, 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 4635.0 feet and 4653.0 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 riverflow exiting the lower end of the reach the net gain is negative (loss of water in the reach).

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)

Natural flow - Riverflow which has originated from a source other than reservoir storage.

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 - Snowpack telemetry network. A network of Natural Resources Conservation Service automated 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 and also the four Nebraska reservoirs referred to as the Inland Lakes.

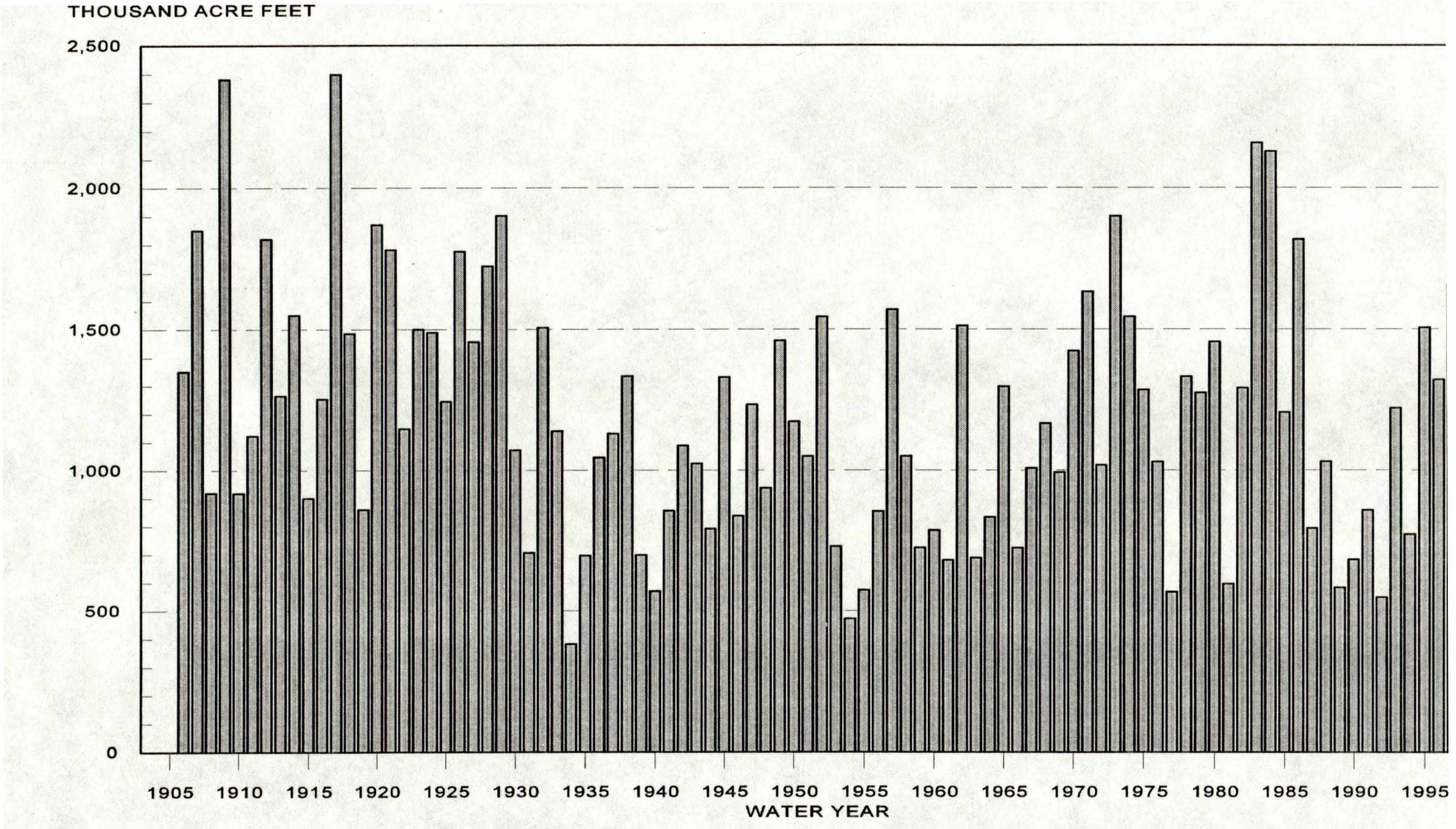
THOUSAND ACRE FEET
2,500
2,000
1,500
1,000
500
0
1905
1910
1915
1920
1925
1930
1935
1940
1945
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
WATER YEAR

Figure 21