Annual Operating Plans North Platte River Area

Water Year 1997 Summary of Actual Operations

and

Water Year 1998 Annual Operating Plans

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

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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 1967-1996 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.

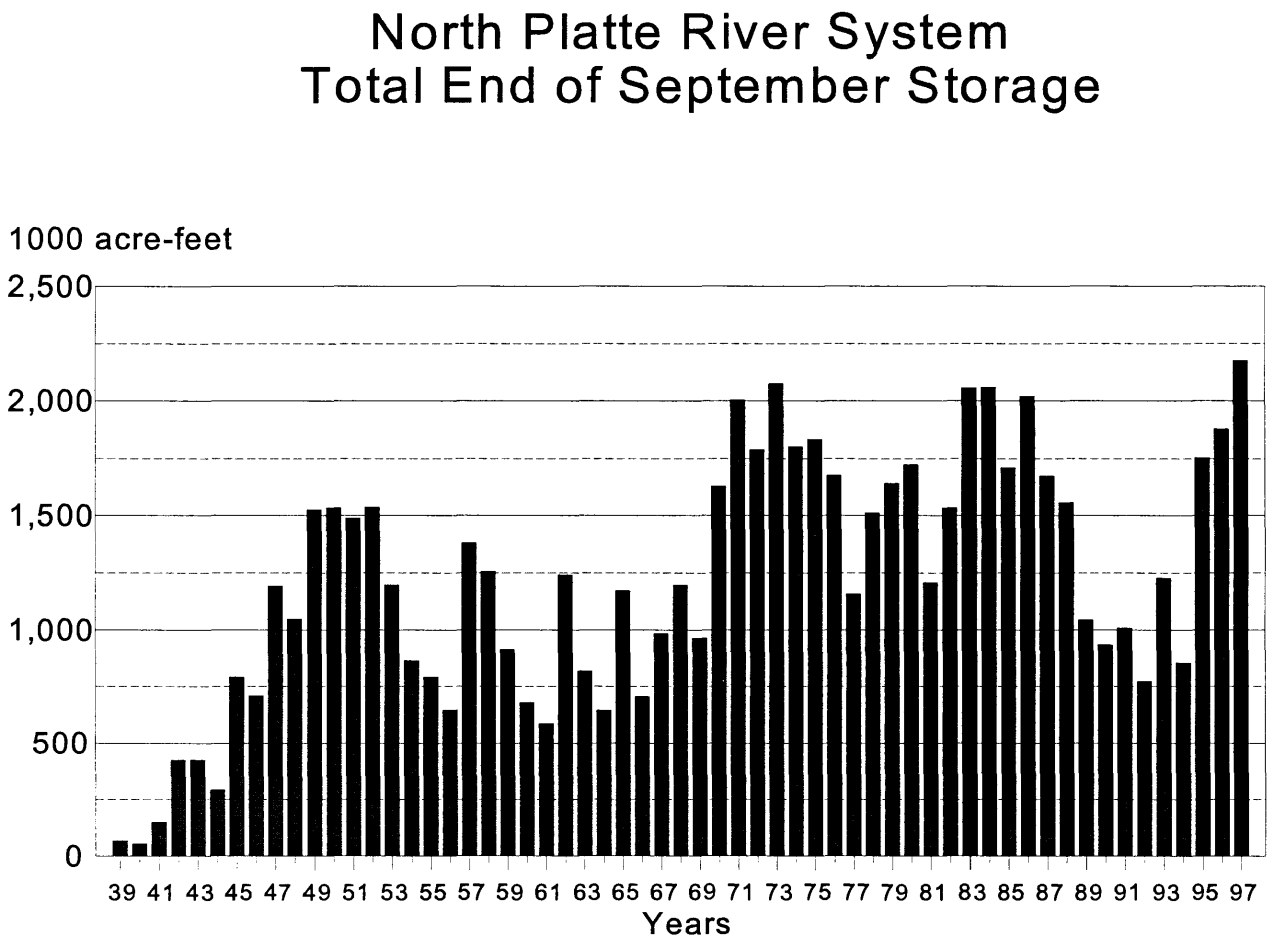

Figure 1

Table 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	5312.00 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

Seminoe Reservoir Inflow

Except for the months of October, 1996 and July, 1997 all inflows were above average. Inflows ranged from 127 percent in November 1996 to 318 percent in September 1997. The Actual April-July inflows total 1,073,800 (AF), which was 132 percent of average and had not been this high since 1986. The inflow into Seminoe Reservoir for May was the fifth highest Seminoe inflow in the past 30 years and had not been that high since 1984. The inflows peaked for the year on June 6, 1997, at 12, 201 cfs. The September inflow to Seminoe reservoir was the highest since the construction of Seminoe Dam in 1939. Figure 2 depicts comparison of average monthly inflow and 1996 and 1997 monthly inflows.

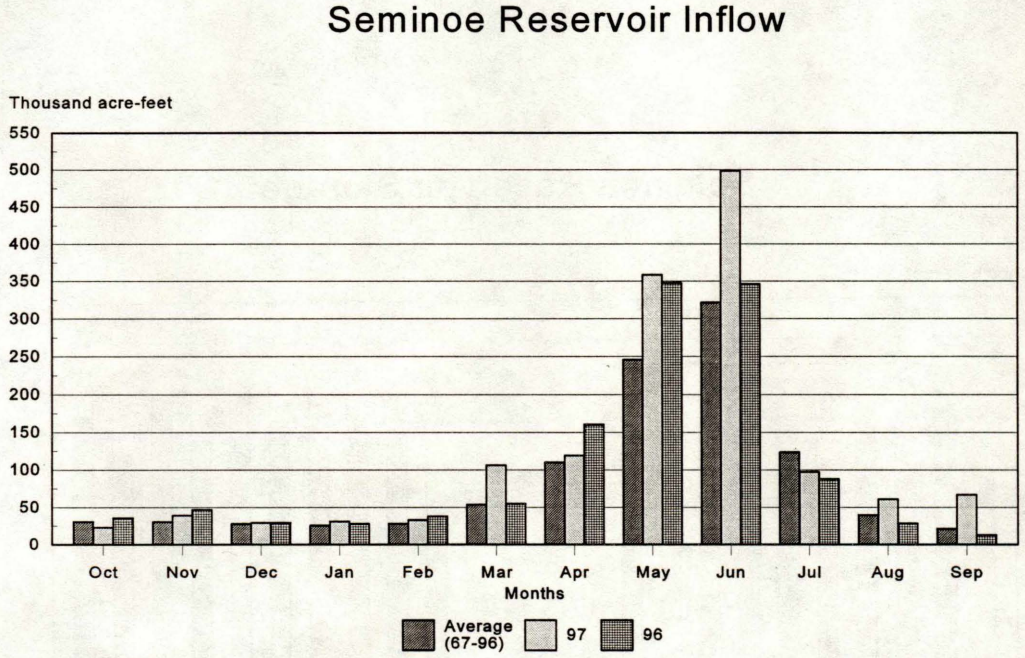

Figure 2

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 1997 Seminoe Reservoir had a storage content of 816,525 acre-feet which was 113 percent of average and only 80 percent of capacity. Seminoe storage continued above average throughout the water year. The maximum Seminoe Reservoir content for the water year was reached on June 25, 1997 at 977,894 acre-feet. The end of June Seminoe Reservoir storage was the highest since 1986. The end of water year 1997 Seminoe Reservoir storage content of 895,510 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 November and increased to 1,100 cfs during December, 1996. Releases were again increased to 1,600 cfs at the end of February and increased to 2,500 cfs during early March due to anticipated runoff conditions.

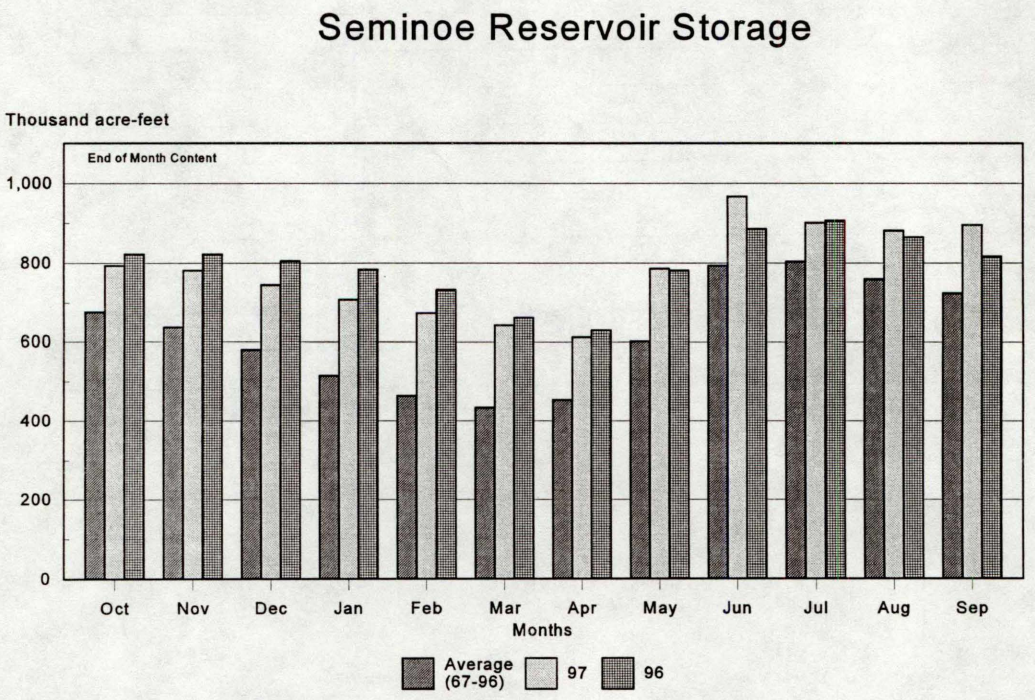

Figure 3

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".

To allow divers to work on the draft tube bulkhead gates releases were required to bypass the Kortes powerplant from October 23, 1996 through November 16, 1996. During May 8, through July 9, 1997, 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 203,122 AF of water bypass the Kortes Powerplant. Other than these releases, all of the Kortes releases were made through the Powerplant in water year 1997. Kortes releases were maintained at 850 cfs for November and increased to 1,100 cfs during December. Due to anticipate runoff conditions the Kortes releases were increased to 1,600 cfs at the end of February and increased again to 2,500 cfs during early March. Releases peaked on June 15, 1997, at 6,725 cfs

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 1996, April, and July, 1997 with all other months being well above average. The actual April-July gain was 133,600 (AF), which was 133 percent of average. The average daily gain peaked for the year on June 1, 1997 at 2,405 cfs, with the daily computed inflow peaking on June 14, 1997 at 8,069 cfs. The Kortes to Pathfinder river gains for June were the third highest in the past 30 years with only 1986 and 1995 being higher. See Figure 4.

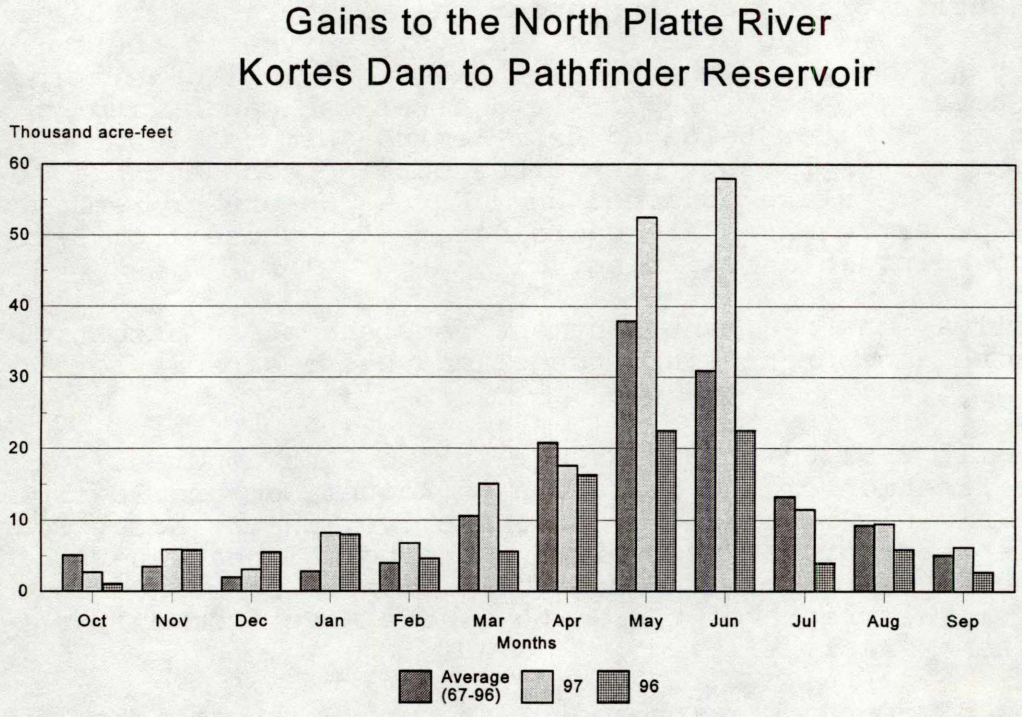

Figure 4

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 1997 storage in Pathfinder Reservoir was 771,673 acre-feet, which was 154 percent of average. Pathfinder storage increased significantly during October through June and remained well above average for July, August and September (See figure 4). The maximum Pathfinder Reservoir content for the water year was reached on June 26, 1997, at 1,010,137 acre-feet. The water year ended with 857,815 acre-feet of water in storage in Pathfinder Reservoir, which is 172 percent of average. This end of September storage was 86,142 acre-feet higher than the previous year and the highest since 1984.

A gradual drawn down of Alcova Reservoir to its winter operating range this year allowed release of water from Pathfinder Reservoir during October. On November 12, 1996, 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 700 c.f.s. A release from the Pathfinder Dam outlet works was initiated on April 7, 1997 to raise Alcova Reservoir level to the summer operating range.

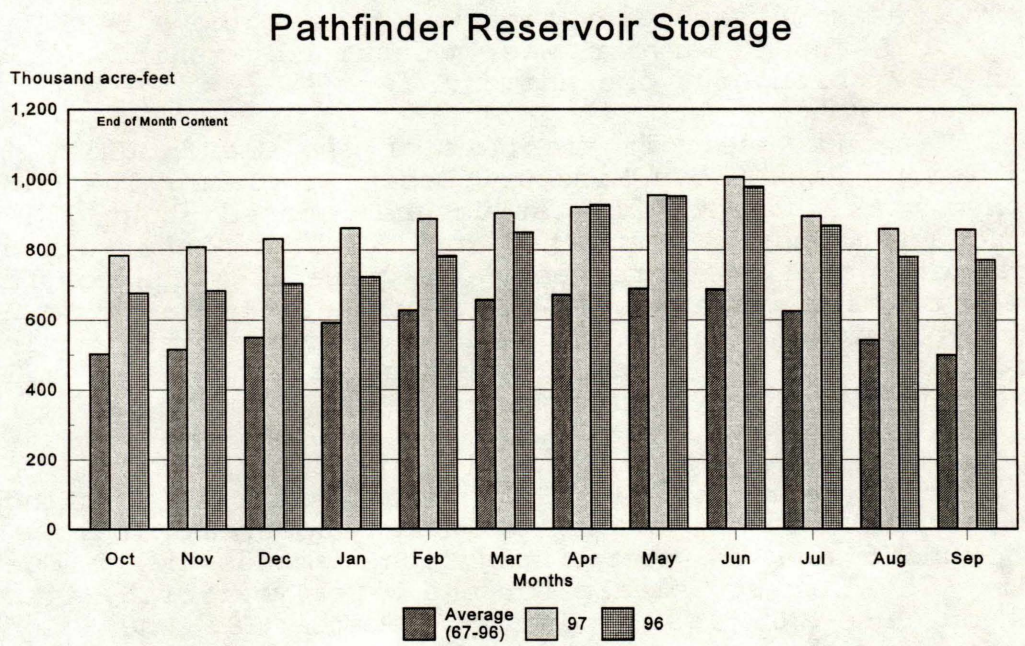

Figure 5

Alcova and Gray Reef Reservoirs Storage and Releases

Alcova Dam and Reservoir are 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 October 1, 1996, and continued through November 12, 1996, when Alcova reached its normal winter operating range of 5488.00 $\pm$ one foot. Alcova Reservoir was gradually drawn down, which allowed Fremont Canyon Power Plant to generate power during this entire period.

The refill of Alcova Reservoir was initiated the first week of April. The water surface elevation was raised above 5497 feet on April 17, and the Reservoir was maintained within 1 foot of elevation 5498 throughout the summer.

Gray Reef Dam and Reservoir are part of the Glendo Unit, Oregon Trail Division, Pick-Sloan Missouri Basin Program. The dam is a three-zoned rock and earthfill structure located about 2.5 miles below Alcova Dam and was completed in 1961. 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 700 c.f.s. from October 1, 1996, through February 20, 1997. 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 5,344 c.f.s. occurred on June 20, 1997. After September 8, the Gray Reef releases were maintained near 600 c.f.s.

Gains to the North Platte River
Alcova Dam to Glendo Reservoir

River gains from Alcova Dam to Glendo Reservoir were above average from October, 1996 through August, 1997 with only September, 1997, being below average. The actual April-July gain was 237,000 (AF), which was 142 percent of average. River gains peaked on April 22, 1997 at 2,659 cfs with the daily computed Glendo inflow peaking on June 16, 1997 at 5,965 cfs. See Figure 6.

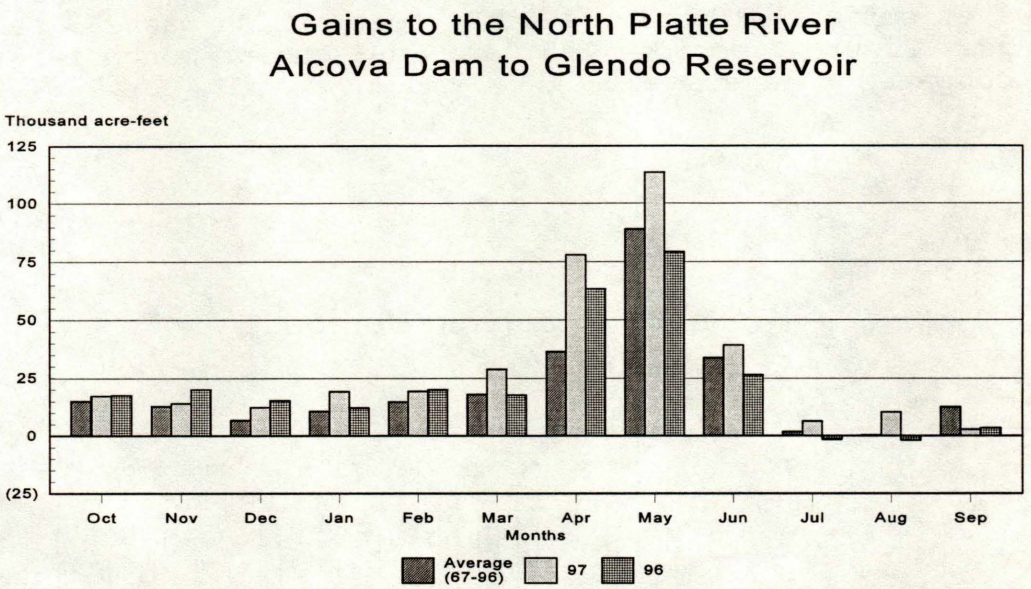

Figure 6

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 101,421 acre-feet at the end of the day on September 30, 1996, began the 1997 water year with Glendo storage about 13,921 acre-feet above average. Water releases from Glendo Reservoir were initiated on March 10, in order to refill Guernsey Reservoir in preparation of releases. On May 31, 1997, Glendo Reservoir rose above elevation 4635 into the flood pool and remained above that elevation until July 25. The flood pool was evacuated as directed by the Army Corps of Engineers, with downstream water users making use of the flood water as much as possible. The Reservoir reached a maximum storage for the year of 572,421 acre-feet (elevation 4639.24 feet) on July 9, 1997. On July 25, 1997, Glendo Reservoir level receded below the flood pool and operations returned to normal irrigation delivers. At the end of the water year, Glendo Reservoir contained 235,747 acre-feet of water (water surface elevation 4604.90 feet) which was 269 percent of average. Figure 7 depicts 1997 and 1996 end of month reservoir storage compared to average.

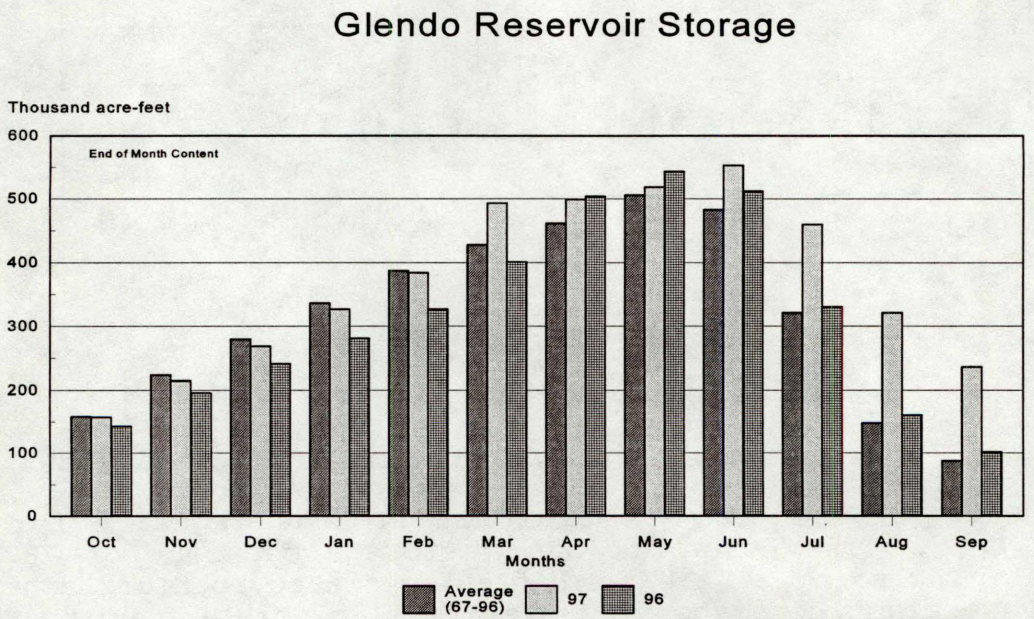

Figure 7

Gains to the North Platte River Glendo Dam to Guernsey Reservoir

Except for the months of October, March and July, the river gains between Glendo Dam and Guernsey Reservoir were above average. The actual April-July gain was 34,500 AF, which was 123 percent of Average. On August 1, 1997 the river gains peaked at 642 cfs and On July 25, 1997, daily computed inflow peaking at 8,277 cfs. See Figure 8 for the monthly total gains for the water year.

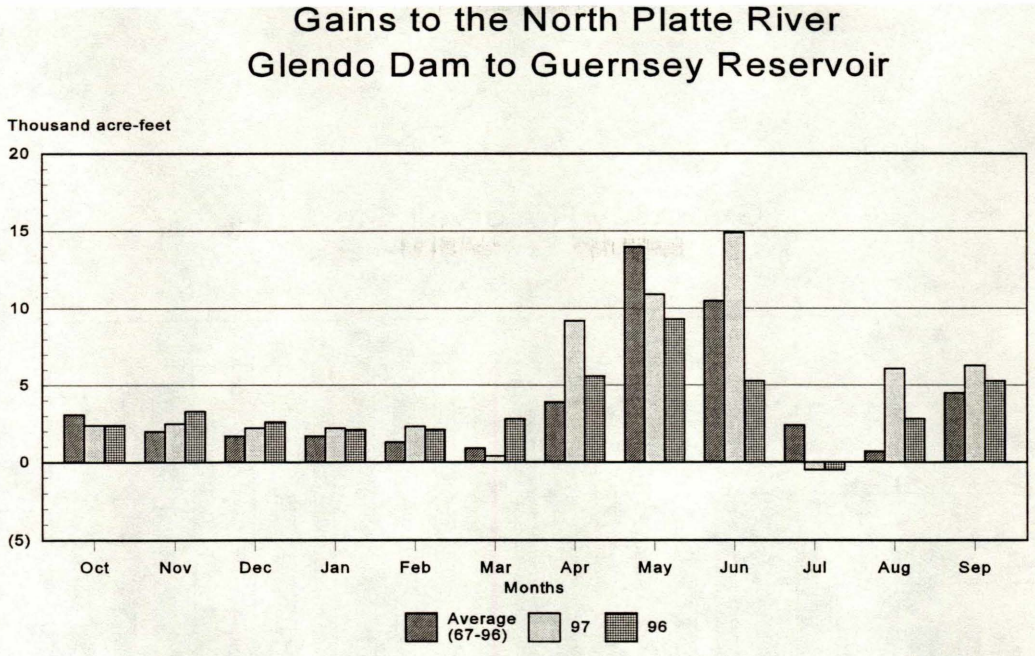

Figure 8

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.

Guernsey Reservoir releases were started on March 24, 1997 to create space in the upstream reservoirs in anticipation of the expected above average runoff. After May 31, 1997, Guernsey releases were made in conjunction with the evacuation of water from the Glendo flood pool. Guernsey Reservoir contained 3,899 acre-feet of water on September 30, 1996. 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 of 634 acre-feet occurred on July 22. Following the "silt run," the Reservoir was refilled to 31,839 acre-feet by July 31, 1997.

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. See Figure 9 for 1997 and 1996 end of month storage for the water year compared to average.

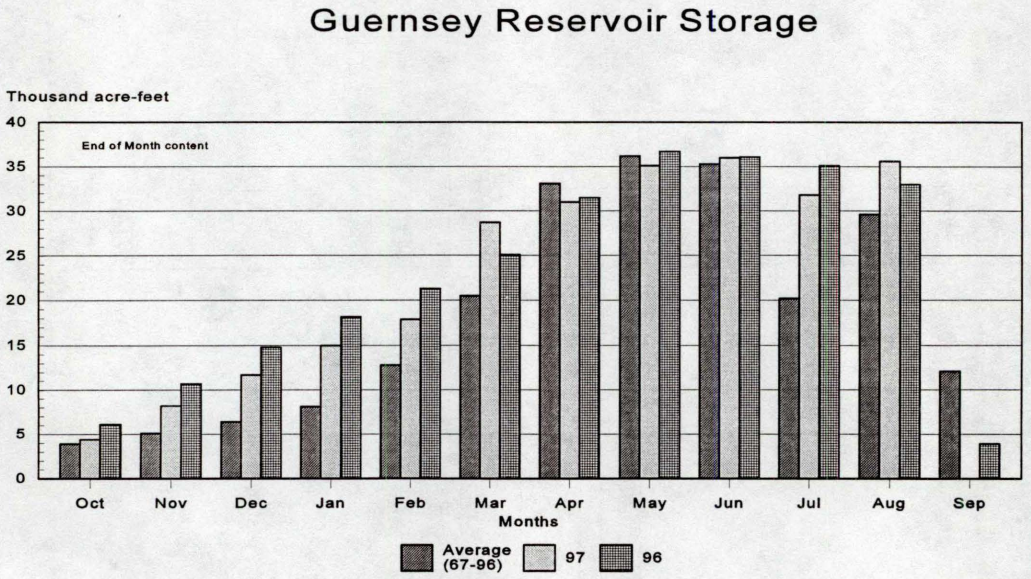

Figure 9

1997 Precipitation

Although the precipitation was quite variable from month to month throughout the North Platte River Basin, all four watersheds had above average total precipitation for water year 1997. The August and September total Seminoe watershed precipitation equaled nearly 50 percent of the average yearly precipitation. Seminoe precipitation was much above average for the basin above Seminoe Reservoir at 338 percent. Precipitation during September at Walden and Spicer, Colorado weather stations were the highest of record. Those unusual high rainfall events caused high inflows to the basin above Seminoe. The September inflow to Seminoe Reservoir was the highest since the construction of Seminoe Dam in 1939. See table 2 for monthly comparison of precipitation.

Table 2

North Platte River Basin Precipitation by Watershed

Month	SEMINOE WATERSHED		PATHFINDER WATERSHED		GLENDO WATERSHED		GUERNSEY WATERSHED	
	Precip in Inches	Percent of Average	Precip in Inches	Percent of Average	Precip in Inches	Percent of Average	Precip in Inches	Percent of Average
October	1.29	115	1.55	148	1.68	185	1.09	111
November	1.05	115	.92	107	.86	125	.41	66
December	1.34	179	1.77	249	.52	106	.44	105
January	1.40	219	1.27	190	.56	140	.41	124
February	.52	76	.59	100	.94	200	.39	95
March	.45	48	.88	89	.78	98	.09	12
April	1.74	144	2.16	144	1.96	132	1.26	162
May	1.64	101	1.99	98	2.01	91	2.65	107
June	.96	81	1.15	93	1.28	81	1.49	63
July	.96	75	.89	91	1.71	138	2.47	140
August	2.34	219	1.22	182	1.50	205	2.75	259
September	3.52	338	1.02	107	.90	98	.90	78
Water Year	17.21	138	15.41	126	14.70	123	14.35	109

1997 Ownerships

At the start of water year 1997, the North Platte Project ownership (includes North Platte Pathfinder and North Platte Guernsey), contained 565,078 acre-feet of water, which is 128 percent of average. The Kendrick ownership contained 1,144,671 acre-feet of water, which is 125 percent of average; and the Glendo ownership contained 163,011 acre-feet of water, which is 115 percent of average. The North Platte Guernsey ownership filled on February 16, 1997. The Glendo ownership filled on March 21, 1997. The North Platte Pathfinder ownership filled on May 5, 1997. The Kendrick ownership filled on May 12, 1997. The North Platte Inland Lakes filled on April 6, 1997. 50,000 AF of Kendrick ownership was transferred to the Excess Water account on March 28, April 11, and 28, 1997, and returned to the Kendrick Ownership account on May 19, 22, and May 26, 1997 (A total of 150,000 AF was transferred and returned).

The total amount of water reported as stored at the end of water year 1997 in the mainstem reservoirs for use in water year 1998 was 2,175,422 acre-feet . This total does not include 41,722 acre-feet water remaining in the four Inland Lakes in Nebraska.

At the end of water year 1997, the North Platte Project ownership (includes North Platte Pathfinder and North Platte Guernsey), contained 799,800 acre-feet of water. The Kendrick ownership contained 1,166,420 acre-feet at the end of September, which was the highest end of September amount since 1984. The Glendo ownership contained 168,362 acre-feet of water. See Figure 10 for a comparison of the last three water years with average and capacity. Table number 3 shows a summary of ownership for water year 1997.

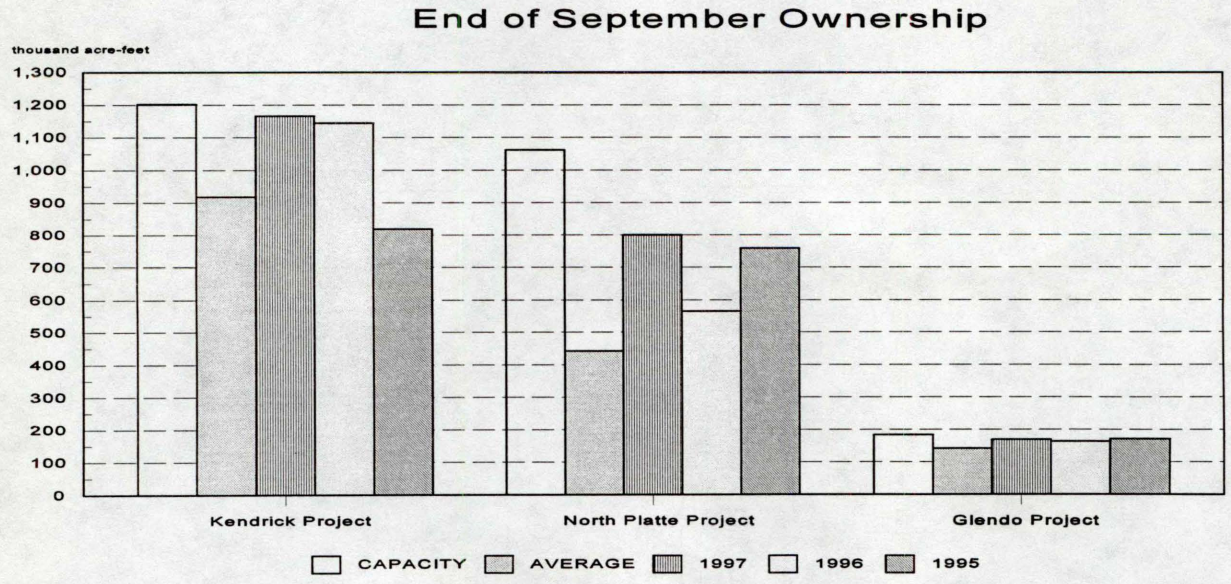

Figure 10

Summary of North Platte River System Ownerships for Water Year 1997 (Acre-feet)

MONTHS	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
PATHFINDER OWNERSHIP														
ACCRUAL A/		25770	47179	29374	37741	36016	111985	151678	33427 A/	16881 A&D/	13 A/	0	0	490064
EVAPORATION		2565	1259	1313	1052	1126	4380	5488	7285	9785	11864	9757	6976	62850
DELIVERY B/		4382	0	0	0	0	0	0	0	0	42	73051	104699	182174
OWNERSHIP	565078	583901	629821	657882	694571	729461	837066	983256	1009398	1016494	1004601	921793	810118	
KENDRICK OWNERSHIP														
ACCRUAL		0	0	0	0	0	0	0	208991	35282 D/	0	0	0	244273
EVAPORATION		3966	1863	1851	1425	1466	5053	5433	6374	9835	11475	9158	7354	65253
DELIVERY B/		0	0	0	0	0	50000 F/	100000 F/	0	0	0	8406	9183	167589
OWNERSHIP	1144671	1140705	1138842	1136991	1135566	1134100	1079047	973614	1176231	1201678	1190203	1172639	1156102	
GLENDO OWNERSHIP														
ACCRUAL		63	0	0	1	9657	10584	0	0	10431 D/	118	0	0	30854
EVAPORATION		1083	237	541	494	431	886	1286	2606	2881	3508	1978	1736	17667
DELIVERY & LOSS B/		6	72	0	0	0	0	2	14	3	1336	649	5754	7836
OWNERSHIP	163011	161985	161676	161135	160642	169868	179566	178278	175658	183205	178479	175852	168362	
PACIFIC POWER & LIGHT														
ACCRUAL		0	0	0	0	0	0	0	60	14	27	22	21	144
DELIVERY B/		0	0	0	0	0	0	0	0	0	0	0	0	0
EVAPORATION		14	0	3	3	2	6	12	20	14	27	22	21	144
INSTORAGE	2000	1986	1986	1983	1980	1978	1972	1960	2000	2000	2000	2000	2000	
GUERNSEY OWNERSHIP														
ACCRUAL		0	0	14216	21001	10691	0	0	0	2928 D/	0	0	0	48836
EVAPORATION		0	0	84	164	181	444	500	838	1013	1189	549	0	4962
DELIVERY B/		0	0	0	0	0	0	0	0	0	1322	42552	0	43874
OWNERSHIP	0	0	0	14132	34969	45479	45035	44535	43697	45612	43101	0	0	

Summary of North Platte River system Ownerships for Water Year 1997 (acre-feet)

MONTHS	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
INLAND LAKES OWNERSHIP														
ACCRUAL		19285	16239	0	0	0	0	11051	0	0	0	0	0	46575
EVAPORATION		80	64	101	75	64	155	147	25	0	0	0	0	711
OWNERSHIP	0	18997	35172	35071	34996	34932	34777	19674	0	0	0	0	0	
TRANSFER		208 E/	0	0	0	0	0	26007	19649 E/	0	0	0	0	45864
CITY OF CHEYENNE														
ACCRUAL		1053	1779	3541	387	7	44	57	34	1302	531	757	854	10346
EVAPORATION		13	6	10	6	7	44	57	63	4	18	21	23	272
DELIVERY B/		0	0	0	0	0	0	0	6139	3828	0	0	202	10169
OWNERSHIP	3275	4315	6088	9619	10000	10000	10000	10000	3832	1302	1815	2551	3180	
EXCESS WATER														
ACCRUAL		0	0	0	63	663	56920	F/100000	F/204771	309143	0	0	30621	702181
EVAPORATION		2	1	1	1	1	95	154	209	2103	2080	172	103	4922
OWNERSHIP	940	875	874	873	935	1597	43577	38873	71993	301799	56730	10902	35660	
RELEASED		63	0	0	0	0	14845	104550	171442	77234	242989	45656	5760	662539

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 May 5, 1997, Pathfinder ownership filled to 1,015,038 AF; this amount plus the remaining Pacificorp exchange water of 1,469 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 until July 1, 1997, when the last 13 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 September of water year 1996, 4,980 acre-feet of Pathfinder ownership water was transferred to the Inland Lakes. In October of water year 1997, 4,382 acre-feet of Pathfinder ownership water was transferred to the Inland Lakes for a total of 9,362 acre-feet of Pathfinder ownership water in the Inland Lakes. On May 11, 1997, 4,382 acre-feet of Inland Lakes ownership was transferred to the Pathfinder ownership account.

D/ In accordance with 1997 North Platte River Ownership and Natural Flow Accounting Procedures, ownerships were allowed to refill water lost to evaporation from excess until June 30, 1997.

E/ Transfer refers to Inland Lakes ownership water which was transferred from storage in Glendo or Guernsey. In October, 208 acre-feet were transferred to the Inland Lakes. In April, 9,137 acre-feet were transferred to the Inland Lakes and 4,382 acre-feet were transferred to the Pathfinder ownership account. In May, 19,649 acre-feet were transferred to the Inland Lakes. 208 acre-feet of water was transferred in October 1997. (45,792 acre-feet transferred + 208 acre-feet transferred in October, 1997 = 46,000)

F/ 50,000 Acre-feet of Kendrick ownership was transferred to the Excess Water account on March 28, April 11, and on April 28, 1997 and returned to Kendrick Ownership on May 19, May 22, and May 26, 1997.(A total of 150,000 Acre-feet was transferred and returned).

HYDROLOGY OPERATIONS

Seminoe Reservoir Operations — Initial Content 816.5 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Total Inflow	kaf	23.1	39.1	29.3	31.2	32.9	106.3	119.1	358.6	498.6	97.5	60.9	67.0	1463.6
Total Inflow	cfs	376.	658.	477.	507.	592.	1729.	2001.	5831.	8379.	1586.	991.	1126.	
Turbine Release	kaf	43.2	49.5	64.5	67.6	67.6	134.2	145.0	179.4	192.0	150.0	72.8	47.5	1213.3
Jetflow Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117.2	4.1	0.0	0.0	121.3
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Release	kaf	43.2	49.5	64.5	67.6	67.6	134.2	145.0	179.4	309.2	154.1	72.8	47.5	1334.6
Total Release	cfs	703.	832.	1048.	1100.	1216.	2183.	2436.	2917.	5197.	2506.	1184.	799.	
Evaporation	kaf	3.0	1.2	1.3	1.0	0.9	3.5	3.4	4.9	8.0	9.5	7.5	5.8	50.0
End-month content	kaf	793.4	781.8	745.3	707.9	672.3	640.9	611.6	785.9	967.3	901.2	881.8	895.5	
End-month elevation	ft	6344.9	6344.2	6341.9	6339.5	6337.1	6334.9	6332.8	6344.4	6354.5	6351.0	6350.0	6350.7	
Generation	gwh	6.8	8.1	13.2	12.1	11.4	21.3	23.0	30.0	36.2	26.8	12.5	8.3	209.7

Kortes Reservoir Operations — Initial Content 4.7 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Total Inflow	kaf	43.2	49.5	64.5	67.6	67.6	134.2	145.0	179.4	309.2	154.1	72.8	47.5	1334.6
Turbine Release	kaf	36.9	38.5	64.4	67.6	67.6	134.2	145.1	159.1	142.5	137.8	72.8	47.7	1114.2
Spillway Release	kaf	6.3	11.0	0.0	0.0	0.0	0.0	0.0	20.0	166.5	16.6	0.0	0.0	220.4
Total Release	kaf	43.2	49.5	64.4	67.6	67.6	134.2	145.1	179.1	309.0	154.4	72.8	47.7	1334.6
Total Release	cfs	703.	832.	1047.	1100.	1217.	2182.	2438.	2912.	5193.	2511.	1184.	802.	
Generation	gwh	6.5	7.3	11.3	12.2	11.5	22.0	23.6	27.6	27.6	24.0	12.5	8.7	194.8

Pathfinder Reservoir Operations — Initial Content 771.7 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Sweetwater Inflow	kaf	3.1	4.3	3.8	4.1	3.9	10.2	14.9	47.3	39.9	8.9	5.0	2.6	148.0
Kortes-Path Gain	kaf	2.7	5.9	3.1	8.2	6.8	15.1	17.6	52.5	58.0	11.5	9.5	6.2	197.1
Inflow from Kortes	kaf	43.2	49.5	64.4	67.6	67.6	134.2	145.1	179.1	309.0	154.4	72.8	47.7	1334.6
Total Inflow	kaf	45.9	55.4	67.5	75.8	74.4	149.3	162.7	231.6	367.0	165.9	82.3	53.9	1531.8
Total Inflow	cfs	747.	932.	1098.	1233.	1339.	2428.	2733.	3766.	6168.	2698.	1339.	906.	
Turbine Release	kaf	29.6	30.1	42.9	44.4	46.0	128.2	132.6	167.4	163.0	161.5	101.5	49.2	1096.4
Jetflow Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	7.6	23.0	142.6	104.8	8.6	0.1	286.7
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Release	kaf	29.6	30.1	42.9	44.4	46.0	128.2	140.2	190.4	305.6	266.3	110.1	49.3	1383.1
Total Release	cfs	481.	505.	698.	722.	828.	2084.	2357.	3096.	5136.	4331.	1791.	829.	
Evaporation	kaf	3.2	2.1	1.2	2.6	2.9	2.0	4.1	7.2	11.4	11.5	10.2	6.4	64.8
End-month content	kaf	785.0	808.8	831.8	861.9	889.0	905.0	922.3	956.3	1007.9	896.3	859.8	857.8	
End-month elevation	ft	5838.7	5839.9	5841.1	5842.7	5844.1	5844.8	5845.7	5847.3	5849.7	5844.4	5842.6	5842.5	
Generation Fremont	gwh	7.9	8.6	13.5	14.0	14.3	39.9	40.3	48.5	47.3	47.8	30.3	14.1	326.5

Alcova Reservoir Operations — Initial Content 180.6 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Total Inflow	kaf	29.6	30.1	42.9	44.4	46.0	128.2	140.2	190.4	305.6	266.3	110.1	49.3	1383.1
Total Inflow	cfs	481.	505.	698.	722.	828.	2084.	2357.	3096.	5136.	4331.	1791.	829.	
Turbine Release	kaf	42.6	42.2	43.0	42.9	43.6	128.6	115.9	178.7	197.8	193.3	94.5	37.9	1161.0
Spillway Release	kaf	0.0	0.0	0.1	0.0	0.0	0.0	0.0	1.7	93.0	52.4	1.7	0.0	148.9
Casper Canal Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	12.7	19.3	13.5	11.1	66.1
Total Release	kaf	42.6	42.2	43.1	42.9	43.6	128.6	115.9	189.9	303.5	365.0	109.7	49.0	1376.0
Total Release	cfs	693.	708.	701.	698.	784.	2091.	1948.	3088.	5100.	4310.	1784.	823.	
Evaporation	kaf	0.4	0.2	0.2	0.1	0.2	0.6	0.7	0.8	1.1	1.3	1.0	0.8	7.4
End-month content	kaf	167.2	154.9	154.5	155.9	158.1	157.1	180.7	180.4	181.4	181.4	180.8	180.3	
End-month elevation	ft	5492.9	5487.5	5487.3	5487.9	5488.9	5488.5	5498.5	5498.4	5498.8	5498.8	5498.5	5498.3	
Generation	gwh	5.1	4.8	5.9	5.9	6.0	17.3	15.7	25.3	26.0	26.2	13.3	4.8	156.3

Gray Reef Reservoir Operations — Initial Content 0.1 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Total Inflow	kaf	42.6	42.2	43.1	42.9	43.6	128.6	115.9	180.4	290.8	245.7	96.2	37.9	1309.9
Total Inflow	cfs	693.	709.	700.	698.	784.	2091.	1948.	2934.	4887.	3996.	1564.	636.	
Total Release	kaf	42.6	41.0	43.1	43.0	43.8	128.1	116.5	179.7	290.8	245.6	96.1	37.7	1308.0
Total Release	cfs	693.	689.	700.	699.	788.	2083.	1958.	2923.	4887.	3995.	1563.	633.	

Glendo Reservoir Operations — Initial Content 101.4 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Alcova-Glendo Gain	kaf	18.0	17.9	12.8	18.1	15.7	20.3	70.9	108.7	28.8	12.7	27.9	10.4	362.2
Infl from Gray Reef	kaf	42.6	41.0	43.1	43.0	43.8	128.1	116.5	179.7	290.8	245.6	96.1	37.7	1308.0
Total Inflow	kaf	60.6	58.9	55.9	61.1	59.5	148.4	187.4	288.6	319.6	258.3	124.0	48.1	1670.4
Total Inflow	cfs	985.	990.	910.	994.	1071.	2414.	3149.	4693.	5370.	4201.	2017.	808.	
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	35.3	172.7	227.0	199.0	198.2	234.5	125.7	1192.4
Low Flow Release	kaf	1.9	1.6	1.8	1.7	1.4	2.0	1.5	1.6	1.5	1.6	1.6	1.5	19.7
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Irrigation Release	kaf	1.5	0.0	0.0	0.0	0.0	0.0	4.5	36.0	79.0	144.5	22.7	4.5	292.7
Total Release	kaf	3.4	1.6	1.8	1.7	1.4	37.3	178.7	264.5	279.5	344.3	258.8	131.7	1504.7
Total Release	cfs	55.	27.	29.	28.	25.	607.	3004.	4301.	4697.	5599.	4210.	2213.	
Evaporation	kaf	0.9	0.2	0.6	0.7	0.8	2.2	2.8	4.5	5.9	6.9	3.6	2.3	30.4
End-month content	kaf	157.7	214.8	268.3	327.0	384.3	493.2	499.1	518.7	552.9	460.0	321.6	235.7	
End-month elevation	ft	4592.6	4601.9	4609.3	4616.5	4622.8	4633.0	4633.5	4635.1	4637.8	4630.1	4615.9	4604.9	
Generation	gwh	0.0	0.0	0.0	0.0	0.0	3.0	19.3	26.0	24.2	23.5	24.1	11.7	131.8

Guernsey Reservoir Operations — Initial Content 3.9 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Glendo-Guerns Gain	kaf	2.4	2.5	2.2	2.2	2.3	0.4	9.2	10.9	14.9	-0.5	6.1	6.3	58.8
Inflow from Glendo	kaf	3.4	1.6	1.8	1.7	1.4	37.3	178.7	264.5	279.5	344.3	258.8	131.7	1504.7
Total Inflow	kaf	5.8	4.1	3.9	4.0	3.7	37.7	187.9	275.4	294.4	343.7	264.9	138.0	1563.5
Total Inflow	cfs	94.	68.	64.	65.	66.	613.	3158.	4479.	4947.	5590.	4308.	2319.	
Turbine Release	kaf	0.3	0.0	0.0	0.0	0.0	13.5	62.7	64.2	61.1	33.4	61.7	53.9	350.8
Seepage	kaf	0.4	0.3	0.3	0.6	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	2.7
Spillway Release	kaf	4.5	0.0	0.0	0.0	0.0	12.7	122.5	206.3	231.4	314.0	198.5	119.2	1209.1
Total Release	kaf	5.2	0.3	0.3	0.6	0.7	26.6	185.2	270.5	292.5	347.4	260.2	173.1	1562.6
Total Release	cfs	85.	5.	6.	9.	12.	432.	3112.	4400.	4916.	5650.	4232.	2909.	
Evaporation	kaf	0.1	0.0	0.1	0.1	0.1	0.3	0.4	0.8	1.0	0.5	0.9	0.5	4.8
End-month content	kaf	4.4	8.2	11.7	15.0	17.9	28.7	31.0	35.1	36.0	31.8	35.6	0.0	
End-month elevation	ft	4393.6	4398.5	4401.8	4404.3	4406.3	4412.3	4413.4	4415.4	4415.8	4413.8	4415.6	4372.1	
Generation	gwh	0.0	0.0	0.0	0.0	0.0	1.0	4.5	4.6	4.4	2.2	4.4	3.6	24.7

OWNERSHIP OPERATIONS

North Platte Pathfinder — Initial Ownership 565.1 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Net Accrual	kaf	25.8	47.2	29.4	37.7	36.0	112.0	151.7	33.4	16.9	0.0	0.0	0.0	490.1
Evaporation	kaf	2.6	1.3	1.3	1.1	1.1	4.4	5.9	7.3	9.8	11.9	9.8	7.0	62.9
Deliv fm Ownership	kaf	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.1	104.7	182.2
End-month Ownership	kaf	583.9	629.8	657.9	694.6	729.5	837.1	983.3	1009.4	1016.5	1004.6	921.8	810.1	

North Platte Guernsey — Initial Ownership 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Net Accrual	kaf	0.0	0.0	14.2	21.0	10.7	0.0	0.0	0.0	2.9	0.0	0.0	0.0	48.8
Evaporation/Seepage	kaf	0.0	0.0	0.1	0.2	0.2	0.4	0.5	0.8	1.0	1.2	0.5	0.0	5.0
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	42.6	0.0	43.9
End-month Ownership	kaf	0.0	0.0	14.1	35.0	45.5	45.0	44.5	43.7	45.6	43.1	0.0	0.0	

Inland Lakes — Initial Ownership 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Accrual	kaf	19.3	16.2	0.0	0.0	0.0	0.0	11.1	0.0	0.0	0.0	0.0	0.0	46.6
Evaporation/Seepage	kaf	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6
Trnsfr fm Ownership	kaf	0.2	0.0	0.0	0.0	0.0	0.0	26.0	19.7	0.0	0.0	0.0	0.0	45.9
End-month Ownership	kaf	19.0	35.2	35.1	35.0	35.0	34.8	19.7	0.0	0.0	0.0	0.0	0.0	

Kendrick — Initial Ownership 1144.7 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Net Accrual	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	209.0	35.3	0.0	0.0	0.8	244.3
Evaporation	kaf	4.0	1.9	1.9	1.4	1.5	5.1	5.4	6.4	9.8	11.5	9.2	7.4	65.3
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	50.0	100.0	0.0	0.0	0.0	8.4	9.2	167.6
End-month Ownership	kaf	1140.7	1138.8	1137.0	1135.6	1134.1	1079.1	973.6	1176.2	1201.7	1190.2	1172.6	1166.4	

Glendo Unit — Initial Ownership 163.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Accrual	kaf	0.1	0.0	0.0	0.0	9.7	10.6	0.0	0.0	10.4	0.1	0.0	0.0	30.9
Evaporation	kaf	1.1	0.2	0.5	0.5	0.4	0.9	1.3	2.6	2.9	3.5	2.0	1.7	17.8
Deliv fm Ownership	kaf	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.6	5.7	7.8
End-month Ownership	kaf	162.0	161.7	161.1	160.4	169.9	179.6	178.3	175.7	183.2	178.5	175.9	168.4	

Excess to Ownership — Initial Ownership 1.8 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Accrual	kaf	0.0	0.0	0.0	0.1	6.6	56.9	100.0	204.8	309.1	0.0	0.0	30.6	702.2
Evaporation/Seepage	kaf	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	2.1	2.1	0.2	0.1	4.9
Release	kaf	0.1	0.0	0.0	0.0	0.0	14.9	104.6	171.4	77.2	243.0	45.7	5.8	662.5
End-month total	kaf	1.0	1.0	1.0	1.0	1.6	43.6	38.9	72.0	301.8	56.7	10.9	35.7	

IRRIGATION DELIVERY

Kendrick (Casper Canal)		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
Requirement *	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	74.0
Delivered	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	12.7	19.3	13.5	11.1	66.1

Guernsey Deliveries		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Total
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	1020.0
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	28.0
Inland Lakes Req *	kaf	5.0	0.0	0.0	0.0	0.0	0.0	40.5	0.0	0.0	0.0	0.0	0.0	45.5
Total Requirement *	kaf	5.0	0.0	0.0	0.0	0.0	0.0	40.5	110.0	127.0	311.0	303.0	187.0	1083.5
Seepage	kaf	0.2	0.3	0.3	0.6	0.7	0.5	0.3	0.0	0.0	0.0	0.0	0.0	2.4
Actual Release	kaf	5.2	0.3	0.3	0.6	0.7	26.6	185.2	270.5	292.5	347.4	260.2	173.1	1562.6

* Requirements are Bureau of Reclamation estimates of water use under most probable runoff conditions.

Flood Benefits

The Corps of Engineers, Omaha District, estimates that in Water Year 1997 flood damages of $8,797,700 were prevented in Wyoming and Nebraska because of the existence of dams in the System. Guernsey Dam is the only North Platte River dam to which flood benefits were not assigned for the year (Table 5). Since construction, the System has prevented flood damages totaling $82,822,100.00

Table 5

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

DAMS	WATER YEAR 1997	PRIOR TO 1997	ACCUMULATED TOTAL
SEMINOE	$4,041,800	$19,982,200	$24,024,000
PATHFINDER	$1,014,000	$7,377,900	$8,391,900
ALCOVA	$27,700	$373,300	$401,000
GLENDO	$3,714,200	$45,852,000	$49,566,200
GUERNSEY	$0	$439,000	$439,000
TOTAL	$8,797,700	$74,024,400	$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 1997 except for Glendo Dam, which is 1965 through 1997.

Table 6

Past Power Operations Water Year 1997

Powerplant	Gross generation	Percent of average 1/
Seminoe	209,700,000 2/	149
Kortes	194,800,000	127
Fremont Canyon	326,500,000	131
Alcova	156,300,000	124
Glendo	131,800,000	156
Guernsey	24,700,000	110
Total Basin	1,043,800,000	135

1/ 30 year average (1966-1995).
2/ Generation is in Kilo-watt hours.

Proposed Power Operations Water Year 1998

Powerplant	Gross generation 1/	Percent of average 2/
Seminoe	170,790,000 3/	121
Kortes	167,871,000	110
Fremont Canyon	283,196,000	114
Alcova	143,392,000	113
Glendo	116,747,000	138
Guernsey	22,460,000	100
Total Basin	904,456,000	117

1/ Gross generation based on October 1997, 780,000 Acre-feet April-July Most Probable expected inflow plan.
2/ 30 year average (1966-1995).
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 1998.

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	140.6
Kortes	3	12,000	37,000	192-204	2,910	152.9
Fremont Canyon	2	33,400	66,800	247-363	3,080	248.7
Alcova	2	18,000	36,000	153-165	4,100	126.4
Glendo	2	19,000	38,000	73-156	3,400	84.7
Guernsey	2	3,200	6,400	89-91	1,340	22.5
Total	14	-----	235,200	-----	-----	775.8

1/1961-1990

Table 8

PROPOSED UNIT MAINTENANCE SCHEDULE
NORTH PLATTE RIVER SYSTEM
OCTOBER 1997 THROUGH SEPTEMBER 1998

FACILITY AND UNIT NO.	SCHEDULED PERIOD	DESCRIPTION OF WORK
Seminoe Unit #1	09-22-97 thru 10-14-97	Major inspection
Seminoe Unit #2	10-16-97 thru 11-18-97	Minor inspection
Fremont Unit #2	10-20-97 thru 11-26-97	Annual inspection and other work as required
Glendo Unit #1	10-20-97 thru 12-10-97	Annual inspection
Seminoe Unit #3	11-24-97 thru 12-31-97	Minor inspection
Kortes Unit #3	12-01-97 thru 12-17-97	Minor inspection,
Alcova Unit #1	12-01-97 thru 12-23-97	Annual inspection and other work as required
Guernsey Unit #1	12-01-97 thru 12-18-97	Annual inspection
Kortes Unit #2	01-05-98 thru 01-21-98	Major inspection
Fremont Unit #1	01-05-98 thru 02-09-98	Annual inspection and other work as required
Glendo Unit #2	01-05-98 thru 01-29-98	Minor inspection
Kortes Unit #1	01-26-98 thru 03-04-98	Minor inspection
Alcova Unit #2	02-02-98 thru 03-02-98	Annual inspection and other work as required
Guernsey Unit #2	02-09-98 thru 03-12-98	Annual inspection

Three operation studies were developed for the System to establish an AOP for water year 1998. 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 1998 has a one-in-ten chance of being less than the reasonable minimum. Statistically, inflows in 1998 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 1998 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 2,175,422 acre-feet at the beginning of the water year 1998. This amount was 144 percent of average.

Seminoe Reservoir

Most Probable Condition - 1998

October through March -- Seminoe Reservoir storage of 895,510 acre-feet, at the beginning of the water year, was 124 percent of the 30-year average. Planned turbine releases from Seminoe Reservoir of 800 c.f.s. from October through February and increasing to 1075 c.f.s. for March, which will lower the reservoir storage to about 751,500 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 2,180 c.f.s. in April; 2,600 c.f.s. in May and June and decreasing to 1950 in July; 940 c.f.s August; and 800 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 964,800 acre-feet by the end of June. Projected carryover storage of about 872,500 acre-feet at the end of the water year would be 120 percent of average.

Reasonable Minimum Condition - 1998

October through March -- Water releases for this period under a reasonable minimum inflow condition would be the same as in the most probable condition. 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 756,100 acre-feet under these conditions.

April through September -- Seminoe water releases will remain at approximately 800 c.f.s. in April and increase to 1,400 c.f.s. in May in order to meet irrigation requirements and provide increased power production. The releases will be increased in June, and July and than decrease to approximately 500 c.f.s., for August and September. Under these conditions the water year will end with a Seminoe Reservoir content of 681,300 acre-feet (94 percent of average). The maximum end of month content under these conditions will be approximately 812,000 acre-feet at the end of May.

Reasonable Maximum Condition - 1998

October through March -- Water releases for this period under a reasonable maximum inflow condition would be the same as in the most probable condition as water is moved downstream to generate power and make room in Seminoe Reservoir for spring runoff, except for March when releases were increased to 3,000 c.f.s. to make space available for anticipation of runoff. 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 878,700 acre-feet at the end of October to 666,500 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 3,500 c.f.s. and increase further to 3,920 c.f.s. in May. Releases will average approximately 5,300 c.f.s for June, and decrease to about 4,010 c.f.s in July, and then decrease further to a release of about 1,520 c.f.s in August. The September Seminoe Reservoir release should average 900 c.f.s. Inflows for the April through July period will be 1,331,100 acre-feet, which is 551,000 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 990,700 acre-feet in storage. This plan of operation would result in an end of year carryover storage of 890,000 acre-feet, which would be 123 percent of average.

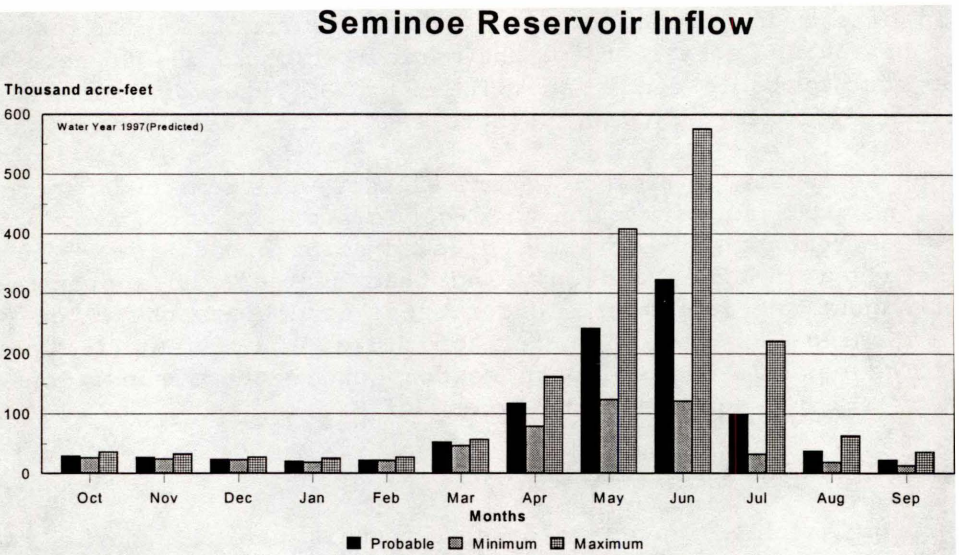

Figure 11

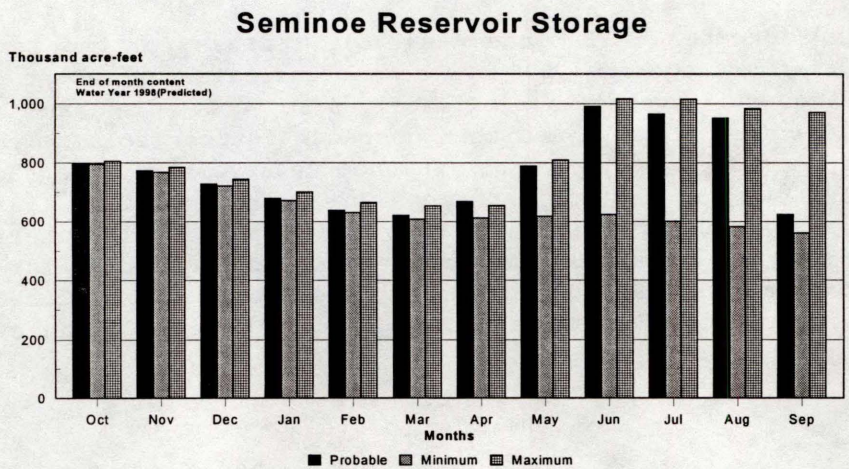

Figure 12

Pathfinder Reservoir

Most Probable Condition - 1998

October through March -- At the beginning of the water year, Pathfinder Reservoir storage was 857,815 acre-feet or 172 percent of the 1967-1996 average. Fremont Canyon Powerplant releases will be reduced during October to lower Alcova Reservoir water surface level to 5488.0 ± 1.0 foot, which is the normal 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 970,900 acre-feet at the end of March.

April through September -- Pathfinder Reservoir storage will reach a maximum of about 997,800 acre-feet by the end of April and be drawn down to a storage content of about 761,500 acre-feet by the end of the water year. River gains 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 3,260 c.f.s. and 3,310, respectively. In July and August Fremont Canyon turbine releases are expected to average approximately 3,320 c.f.s. and 2,150 c.f.s., respectively, with releases reduced in September to approximately 1,130 c.f.s.

Reasonable Minimum Condition - 1998

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 959,900 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 38,600 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 May, July, increasing to approximately 2,900 c.f.s. during June and then end the water year with approximately 670 c.f.s. during September. If reasonable minimum runoff develops, the reservoir content at the end of the water year will be about 631,200 acre-feet or 126 percent of average.

Reasonable Maximum Condition - 1998

October through March -- Water releases for this period under a reasonable maximum inflow condition would be the same as in the most probable condition except for March when release were 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 884,700 acre-feet at the end of October to 987,200 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 988,400 acre-feet during June while June releases average about 5,500 c.f.s. and then decrease to approximately 4,580 c.f.s. in July and further decrease to a 2,260 c.f.s. by August. A bypass release through the Jet flow valves of 494,700 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 900,100 acre-feet, which will be 180 percent of average.

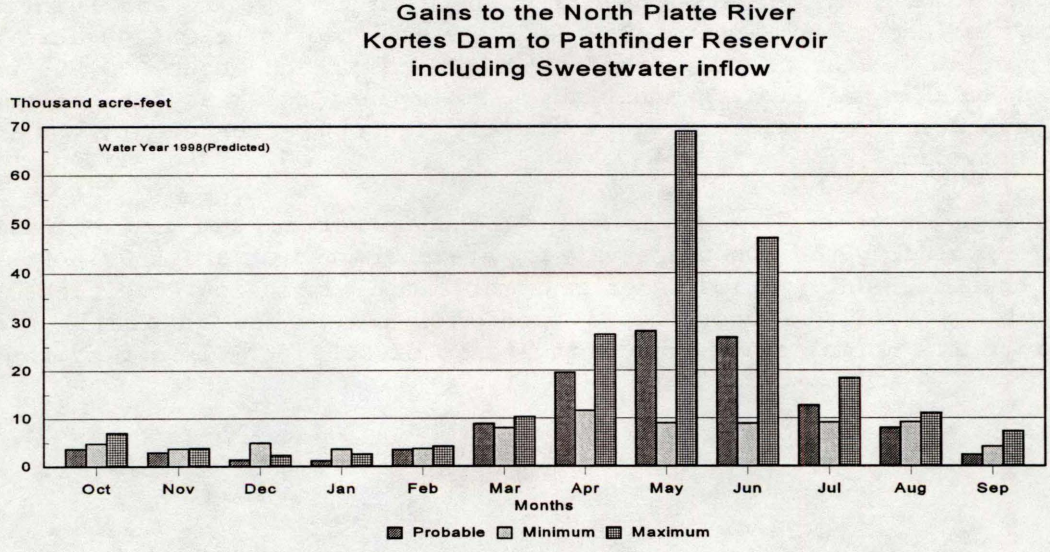

Figure 13

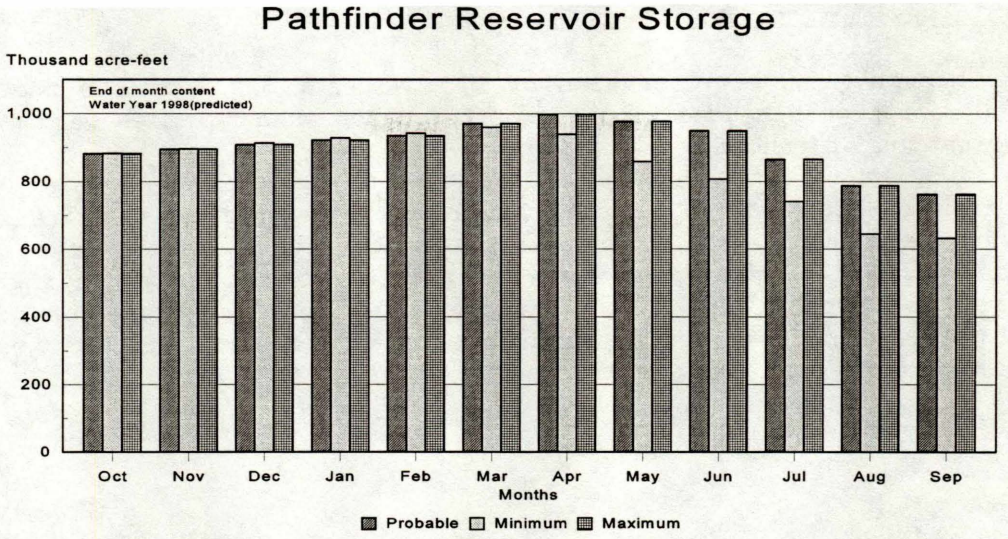

Figure 14

Alcova Reservoir

Most Probable Condition - 1998

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 575 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 - 1998

October through March -- Operation of Alcova Reservoir would be the same as under the most probable condition. Alcova Reservoir will remain at the normal winter operating range through March.

April through September -- During April, the Reservoir will be refilled to water surface elevation 5498 feet (179,400 acre-feet). This level will be maintained within + 1 foot to provide the necessary head for making irrigation deliveries to Casper Canal and for recreational purposes. 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 - 1998

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

April through September -- During April the Reservoir will be refilled to water surface elevation 5498 feet (179,400 acre-feet). This level will be maintained within ± 1 foot to provide the necessary head for making irrigation deliveries to Casper Canal and for recreational purposes. Water delivered through the Casper Canal to the Kendrick Project for irrigation is estimated to be 74,000 acre-feet for the irrigation season.

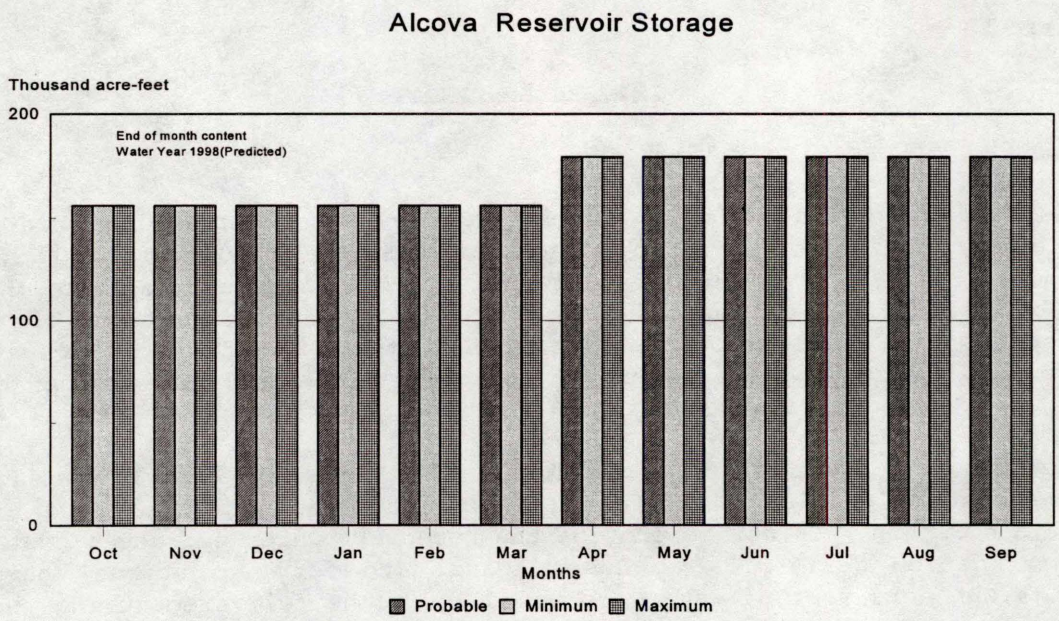

Figure 15

Gray Reef Reservoir

Most Probable Condition - 1998

October through March -- Except for the month of October, the water releases from Gray Reef Dam will be maintained at approximately 575 c.f.s through March. This will result in a winter river level slightly less 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 1,530 c.f.s. in the month of April. The May through September releases are expected to be approximately 3,000 c.f.s in May; 3,000 c.f.s. in June; 3,000 c.f.s in July; 1,850 c.f.s in August; and 1,000 c.f.s. in September as project irrigation water is moved downstream.

Reasonable Minimum Condition - 1998

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 800 c.f.s. in April, increasing to 2,440 c.f.s. in May. Releases from Gray Reef Dam will reach a maximum average of 2,590 c.f.s. during June. The September releases will be reduced to average 500 c.f.s. These predicted flows may be redistributed as the irrigators adjust their use of water from storage.

Reasonable Maximum Condition - 1998

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

April through September -- Releases are expected to be increased from 4,370 c.f.s. in April to a maximum monthly release of 5,190 c.f.s. during June and then decreased to a flow of about 940 c.f.s. by September.

Glendo and Guernsey Reservoirs

Most Probable Condition - 1998

October through March -- Carryover storage of 235,747 acre-feet in Glendo Reservoir on September 30, 1997 was 269 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 514,500 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 9 acre-feet of water at the start of water year 1998. Natural inflow, as well as the low flow releases from Glendo Dam, will be stored during the winter which will increase storage to 27,000 acre-feet by March 31.

April through September -- Glendo Reservoir storage will remain at about 512,000 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 514,500 acre-feet at the end of March. At this level, it would take approximately 3,000 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 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 to about 32,500 acre-feet in August. During September, releases will be scheduled to complete Glendo drawdown to about 65,000 acre-feet and to lower Guernsey Reservoir to approximately 5,000 acre-feet, anticipating moving 10,000 acre-feet to the Inland Lakes in October.

Reasonable Minimum Condition - 1998

October through March -- Guernsey Reservoir contained 9 acre-feet of water at the start of water year 1998. 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 27,000 acre-feet by March 31. Glendo Reservoir content will increase from the carryover storage of 235,747 acre-feet to a March 31 content of 492,000 acre-feet.

April through September -- Glendo Reservoir storage will increase to about 512,000 acre-feet by the end of May, which will be the largest end of month content for the year. At this level, it would take approximately 5,000 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 67,300 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 - 1998

October through March -- Guernsey Reservoir contained 9 acre-feet of water at the start of water year 1998. 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 27,000 acre-feet by March 31. Glendo Reservoir content is expected to increase from the starting content of 235,747 acre-feet to an end of March content of 410,900 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 32,000 in August. During September releases will be scheduled to lower Guernsey Reservoir to approximately 5,000 acre-feet anticipating moving 10,000 acre-feet to the Inland Lakes in October.

The operating plan shown assumes no downstream flow restrictions and normal irrigation deliveries. Glendo storage is projected to decrease to about 375,000 acre-feet by the end of July and will be about 65,000 acre-feet by the end of September. This end of year Glendo storage would be 128 percent of average and the total System storage at the end of the water year of 2,039,500 acre-feet (excluding about 5,900 acre-feet of storage in Kortes and Gray Reef Reservoirs) would be 135 percent of average for the major reservoirs on the North Platte River.

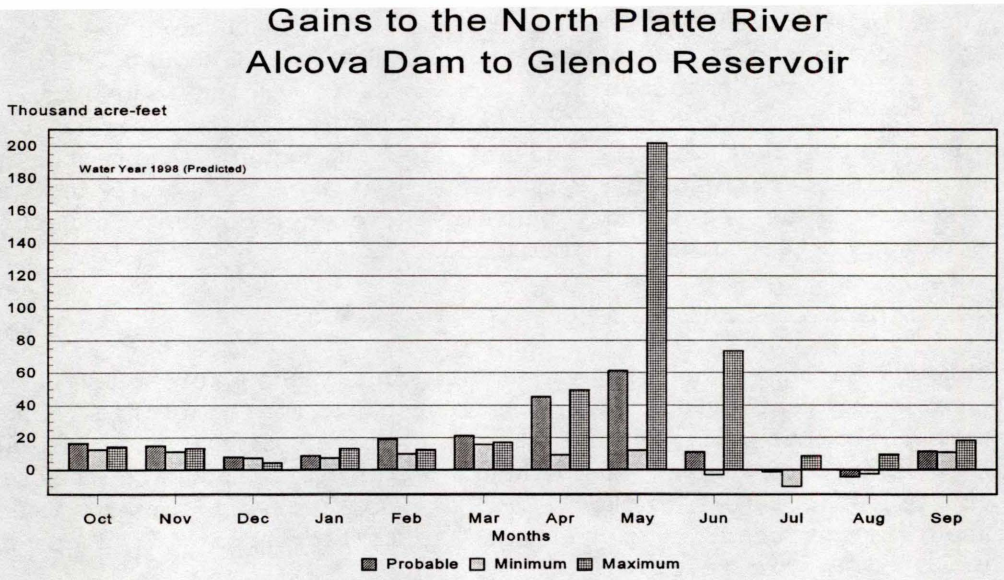

Figure 16

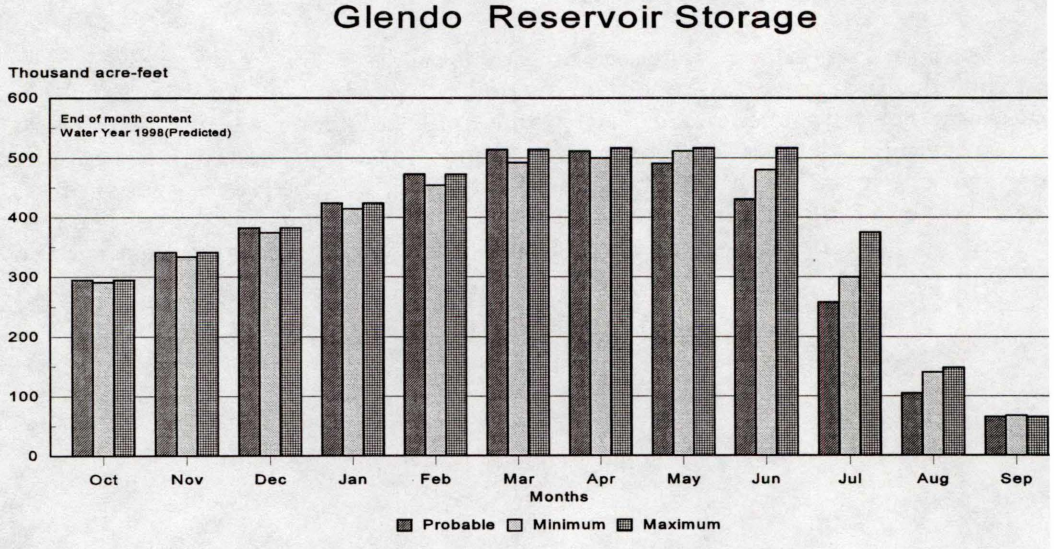

Figure 17

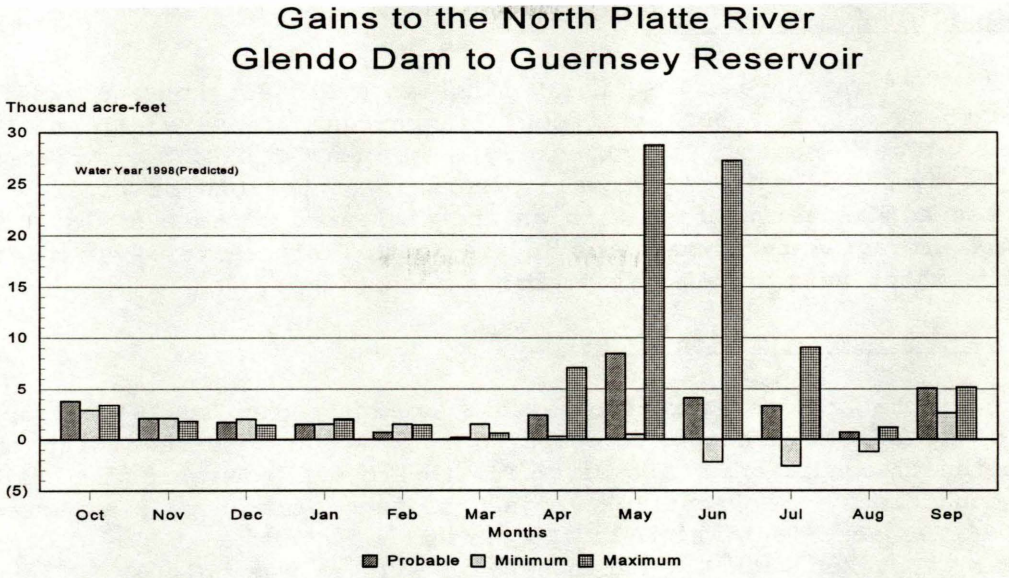

Figure 18

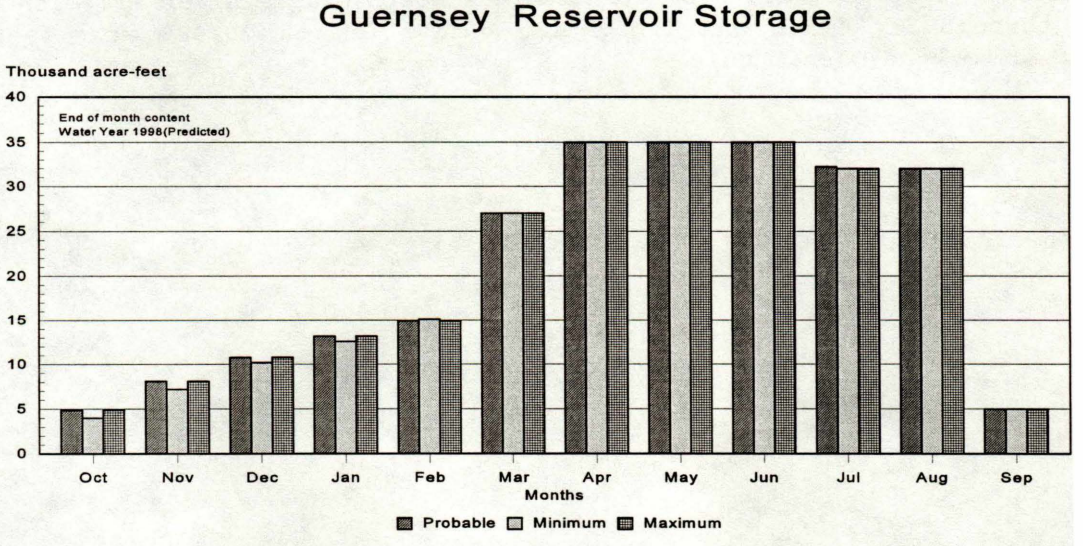

Figure 19

Ownerships

Most Probable Condition - 1998

At the close of water year 1998 the North Platte Project storage ownership is expected to be near 637,500 acre-feet (145 percent of average); the Kendrick Project storage ownership is expected to be near 1,096,700 acre-feet (127 percent of average). Glendo storage ownership at the end of water year 1998 is expected to be near average with an end-of-season content of 150,000 acre-feet. All storage water ownerships in the North Platte River System will fill during the water year under most probable conditions.

Reasonable Minimum Condition - 1998

The North Platte Project storage ownership is expected to be 384,000 acre-feet at the close of the water year compared to 637,500 acre-feet with the most probable runoff conditions. The North Platte Project ownership will fill under minimum conditions. The Kendrick Project storage ownership is expected to be near 1,096,700 acre-feet which is 119 percent of average at the close of the water year. The Kendrick Project ownership will accrue only 31,200 acre-feet of water under the reasonable minimum conditions. Glendo storage ownership is expected to be near 134,900 acre-feet (95 percent of average) at the close of water year 1998 under the reasonable minimum runoff conditions. The Glendo Unit ownership will not accrue any water during the water year.

Reasonable Maximum Condition - 1998

All storage water ownerships in the North Platte River System will fill during the water year. About 810,100 acre-feet of water, which is excess to the North Platte System ownerships, will be released from the System if the reasonable maximum runoff develops in the pattern that was assumed. Irrigation deliveries of 1,050,000 acre-feet are projected for the North Platte River Project during April through September and irrigation deliveries of 20,000 acre-feet are projected for the Glendo Unit.

NORTH PLATTE RIVER OPERATING PLAN
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HYDROLOGY OPERATIONS

Seminoe Reservoir Operations — Initial Content 895.5 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	322.4	98.7	37.1	22.2
Total Inflow	cfs	470.	459.	376.	324.	391.	855.	1968.	3934.	5418.	1605.	603.	373.
Turbine Release	kaf	49.5	47.6	49.2	49.2	44.4	66.1	129.7	160.3	155.1	119.9	57.8	47.5
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	49.5	47.6	49.2	49.2	44.4	66.1	129.7	160.3	155.1	119.9	57.8	47.5
Total Release	cfs	805.	800.	800.	800.	799.	1075.	2180.	2607.	2607.	1950.	940.	798.
Evaporation	kaf	5.1	2.7	1.5	1.4	1.4	2.8	5.1	5.2	9.3	10.9	9.1	6.5
End-month content	kaf	870.9*	848.2	821.0	790.8	767.3*	751.5*	734.0*	807.7*	964.8*	933.2*	904.0*	872.5*
End-month elevation	ft	6349.4	6348.1	6346.5	6344.7	6343.3	6342.3	6341.2	6345.7	6354.4	6352.7	6351.2	6349.4

Kortes Reservoir Operations — Initial Content 4.5 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	49.5	47.6	49.2	49.2	44.4	66.1	129.7	160.3	155.1	119.9	57.8	47.5
Total Inflow	cfs	805.	800.	800.	800.	799.	1075.	2180.	2607.	2607.	1950.	940.	798.
Turbine Release	kaf	49.2	47.6	49.2	49.2	44.4	66.1	129.7	160.3	155.1	119.9	57.8	47.5
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
Total Release	kaf	49.2	47.6	49.2	49.2	44.4	66.1	129.7	160.3	155.1	119.9	57.8	47.5
Total Release	cfs	800.	800.	800.	800.	799.	1075.	2180.	2607.	2607.	1950.	940.	798.

Pathfinder Reservoir Operations — Initial Content 857.8 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	0.4	-0.6	-1.7	-2.4	0.1	4.5	8.0	9.1	5.3	6.5	5.2	1.0
Inflow from Kortes	kaf	49.2	47.6	49.2	49.2	44.4	66.1	129.7	160.3	155.1	119.9	57.8	47.5
Total Inflow	kaf	52.9	50.5	50.6	50.4	47.9	75.0	149.3	188.5	182.0	132.6	65.8	49.9
Total Inflow	cfs	860.	849.	823.	820.	862.	1220.	2509.	3066.	3059.	2157.	1070.	839.
Turbine Release	kaf	23.2	34.5	35.6	35.5	32.1	35.8	115.4	169.1	163.6	169.1	132.2	67.4
Jetflow Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.5	33.4	35.1	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	23.2	34.5	35.6	35.5	32.1	35.8	115.4	200.6	197.0	204.2	132.2	67.4
Total Release	cfs	377.	580.	579.	577.	578.	582.	1939.	3262.	3311.	3321.	2150.	1133.
Evaporation	kaf	5.6	3.1	1.7	1.7	1.7	3.7	7.0	8.6	12.5	13.4	11.1	8.1
End-month content	kaf	881.9	894.8	908.1	921.3	935.4	970.9	997.8	977.1	949.6	864.6	787.1	761.5
End-month elevation	ft	5843.7	5844.3	5845.0	5845.6	5846.3	5848.0	5849.2	5848.3	5847.0	5842.8	5838.8	5837.4

Alcova Reservoir Operations — Initial Content 180.3 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	23.2	34.5	35.6	35.5	32.1	35.8	115.4	200.6	197.0	204.2	132.2	67.4
Total Inflow	cfs	377.	580.	579.	577.	578.	582.	1939.	3262.	3311.	3321.	2150.	1133.
Turbine Release	kaf	46.9	34.2	35.4	35.3	31.9	35.4	91.1	184.6	178.6	184.6	113.8	59.3
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	46.9	34.2	35.4	35.3	31.9	35.4	91.1	199.6	195.6	202.6	130.8	66.3
Total Release	cfs	763.	575.	576.	574.	574.	576.	1531.	3246.	3287.	3295.	2127.	1114.
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 1.6 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	46.9	34.2	35.4	35.3	31.9	35.4	91.1	184.6	178.6	184.6	113.8	59.3
Total Inflow	cfs	763.	575.	576.	574.	574.	576.	1531.	3002.	3001.	3002.	1851.	997.
Total Release	kaf	46.6	34.2	35.4	35.3	31.9	35.4	91.0	184.5	178.5	184.5	113.7	59.2
Total Release	cfs	758.	575.	576.	574.	574.	576.	1529.	3001.	3000.	3001.	1849.	995.

Glendo Reservoir Operations — Initial Content 235.7 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	46.6	34.2	35.4	35.3	31.9	35.4	91.0	184.5	178.5	184.5	113.7	59.2
Total Inflow	kaf	63.3	49.3	43.4	44.1	51.1	56.6	136.3	245.8	189.7	183.4	109.2	70.7
Total Inflow	cfs	1029.	829.	706.	717.	920.	921.	2291.	3998.	3188.	2983.	1776.	1188.
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	11.0	133.5	239.4	227.7	223.5	217.3	107.7
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	21.5	14.9	125.3	39.4	0.0
Total Release	kaf	1.5	1.5	1.5	1.5	1.5	12.5	135.0	262.4	244.1	350.3	258.2	109.2
Total Release	cfs	24.	25.	24.	24.	27.	203.	2269.	4268.	4102.	5697.	4199.	1835.
Evaporation	kaf	1.7	1.1	0.9	0.9	1.0	2.2	3.7	5.1	6.4	5.9	3.6	1.6
End-month content	kaf	295.2*	341.7	382.6	424.2	472.7	514.5*	512.0*	490.8#	430.2#	257.6#	105.0*	65.0*
End-month elevation	ft	4612.7	4618.2	4622.6	4626.7	4631.2	4634.8	4634.6	4632.8	4627.3	4607.9	4581.5	4570.6

Guernsey Reservoir Operations — Initial Content 0.0 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	12.5	135.0	262.4	244.1	350.3	258.2	109.2
Total Inflow	kaf	5.3	3.6	3.2	3.0	2.2	12.7	137.4	270.9	248.2	353.6	258.9	114.3
Total Inflow	cfs	86.	60.	52.	49.	40.	207.	2309.	4406.	4171.	5751.	4211.	1921.
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	51.4	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	77.1	216.2	193.1	300.1	202.5	84.0
Total Release	kaf	0.3	0.2	0.3	0.4	0.3	0.3	128.9	270.0	247.0	356.0	258.0	140.6
Total Release	cfs	5.	3.	5.	7.	5.	5.	2166.	4391.	4151.	5790.	4196.	2363.
Evaporation	kaf	0.1	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	4.9#	8.1	10.8	13.2	14.9#	27.0*	35.0*	35.0*	35.0*	32.2*	32.0*	5.0*
End-month elevation	ft	4394.3	4398.4	4401.0	4403.0	4404.2	4411.4	4415.3	4415.3	4415.3	4414.0	4413.9	4394.5

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OWNERSHIP OPERATIONS

North Platte Pathfinder — Initial Ownership 799.8 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	27.7	27.5	22.8	19.4	23.4	57.8	38.1	0.0	0.0	0.0	0.0	0.0
Evaporation	kaf	4.9	2.7	1.7	1.7	1.8	3.7	6.9	8.6	12.5	12.5	11.1	6.6
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.2	208.7	93.8
End-month Ownership	kaf	827.5	855.0	877.8	897.2	920.6	978.4	1016.5	1007.9	995.4	957.7	737.9	637.5

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	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	0.5	0.3	0.4	0.6	0.6	0.0	0.0
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.7	0.0	0.0
End-month Ownership	kaf	0.0	0.0	9.4	19.3	38.9	45.6	45.3	44.9	44.3	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	20.2	16.9	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.0	0.0	0.0	0.0	0.0
Trnsfr fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	45.5	0.0	0.0	0.0	0.0	0.0
End-month Ownership	kaf	20.2	37.1	37.0	36.9	36.8	36.7	0.1	0.1	0.1	0.1	0.1	0.1

Kendrick — Initial Ownership1166.4 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	57.6	0.0	0.0	0.0	0.0	0.0
Evaporation	kaf	7.1	3.9	2.3	2.2	2.2	4.6	8.1	10.2	14.7	14.8	13.3	10.0
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	17.0	7.0
End-month Ownership	kaf	1159.3	1155.4	1153.1	1150.9	1148.7	1144.1	1201.7	1191.5	1176.8	1144.0	1113.7	1096.7

Glendo Unit — Initial Ownership 168.4 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	14.2	0.6	0.0	0.0	0.0	0.0	0.0
Evaporation	kaf	1.0	0.6	0.3	0.3	0.3	0.6	1.3	1.5	2.2	2.2	1.9	1.4
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	8.0	5.6
End-month Ownership	kaf	167.4	166.8	166.5	166.2	165.9	179.5	178.8	177.3	175.1	166.9	157.0	150.0

Excess to Ownership — Initial Ownership 35.6 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	63.9	214.9	220.6	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.1	0.8	2.1	0.0	0.0
Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	83.4	160.0	120.0	167.5	0.0	0.0
End-month total	kaf	35.3	35.2	35.1	35.0	34.9	34.7	15.0	69.8	169.6	0.0	0.0	0.0

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City of Cheyenne Initial Ownership 3.2 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	0.1	0.1	0.1	0.1	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	4.3	4.6	5.0	5.5	6.1	6.6	6.7	3.9	2.9	3.3	3.8	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	0.2	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	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	350.0	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	0.0	0.0	0.0	0.0	0.0	0.0	45.5	0.0	0.0	0.0	0.0	0.0
Total Requirement	kaf	0.0	0.0	0.0	0.0	0.0	0.0	45.5	110.0	127.0	356.0	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	0.3	0.2	0.3	0.4	0.3	0.3	128.9	270.0	247.0	356.0	258.0	140.6
Waste	kaf	0.0	0.0	0.0	0.0	0.0	0.0	83.4	160.0	120.0	0.0	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	49.5	47.6	49.2	49.2	44.4	66.1	129.7	160.3	155.1	119.9	57.8	47.5
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	23.984	26.822	28.827	33.338	30.176	33.488	32.392	33.420	31.778	32.370	32.618	31.778
Actual generation	gwh	8.762	8.378	8.611	8.561	7.661	11.369	22.170	27.572	27.473	21.502	10.308	8.423
Percent max generation		37.	31.	30.	26.	25.	34.	68.	83.	86.	66.	32.	27.
Average kwh/af		177.	176.	175.	174.	173.	172.	171.	172.	177.	179.	178.	177.

Kortes Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	49.2	47.6	49.2	49.2	44.4	66.1	129.7	160.3	155.1	119.9	57.8	47.5
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	27.933	26.712	23.461	21.259	16.701	24.562	26.712	27.606	26.712	27.606	27.606	26.712
Actual generation	gwh	8.462	8.187	8.462	8.462	7.637	11.369	22.308	27.572	26.677	20.623	9.942	8.170
Percent max generation		30.	31.	36.	40.	46.	46.	84.	100.	100.	75.	36.	31.
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	23.2	34.5	35.6	35.5	32.1	35.8	115.4	169.1	163.6	169.1	132.2	67.4
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.5	33.4	35.1	0.0	0.0
Maximum generation	gwh	24.550	26.513	32.610	47.261	42.686	47.289	45.772	47.313	45.758	47.256	47.197	45.420
Actual generation	gwh	6.480	9.638	9.948	9.922	8.973	10.011	32.287	47.313	45.758	47.256	36.898	18.712
Percent max generation		26.	36.	31.	21.	21.	21.	71.	100.	100.	100.	78.	41.
Average kwh/af		279.	279.	279.	279.	280.	280.	280.	280.	280.	279.	279.	278.

Alcova Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	46.9	34.2	35.4	35.3	31.9	35.4	91.1	184.6	178.6	184.6	113.8	59.3
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maximum generation	gwh	13.587	13.301	27.472	13.736	12.403	27.472	26.275	27.552	26.656	27.552	27.552	26.656
Actual generation	gwh	6.476	4.651	4.814	4.801	4.338	4.814	12.572	25.844	25.004	25.844	15.932	8.302
Percent max generation		48.	35.	18.	35.	35.	18.	48.	94.	94.	94.	58.	31.
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	11.0	133.5	239.4	227.7	223.5	217.3	107.7
Bypass	kaf	1.5	1.5	1.5	1.5	1.5	1.5	1.5	23.0	16.4	126.8	40.9	1.5
Maximum generation	gwh	20.764	12.553	18.665	15.126	11.789	27.444	27.131	27.680	25.607	23.120	17.256	11.290
Actual generation	gwh	0.000	0.000	0.000	0.000	0.000	1.265	15.558	27.680	25.607	23.120	17.256	6.261
Percent max generation		0.	0.	0.	0.	0.	5.	57.	100.	100.	100.	100.	55.
Average kwh/af		0.	0.	0.	0.	0.	115.	117.	116.	112.	103.	79.	58.

Guernsey 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	0.0	51.4	52.6	50.9	52.8	53.0	54.5
Bypass	kaf	0.3	0.2	0.3	0.4	0.3	0.3	77.5	217.4	196.1	303.2	205.0	86.1
Maximum generation	gwh	1.695	1.754	2.602	2.082	2.012	3.688	3.711	3.840	3.716	3.840	3.838	3.515
Actual generation	gwh	0.000	0.000	0.000	0.000	0.000	0.000	3.711	3.840	3.716	3.840	3.838	3.515
Percent max generation		0.	0.	0.	0.	0.	0.	100.	100.	100.	100.	100.	100.
Average kwh/af		0.	0.	0.	0.	0.	0.	72.	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	1.265	15.558	27.680	25.607	23.120	17.256	6.261
Guernsey	gwh	0.000	0.000	0.000	0.000	0.000	0.000	3.711	3.840	3.716	3.840	3.838	3.515
Total	gwh	0.000	0.000	0.000	0.000	0.000	1.265	19.269	31.520	29.323	26.960	21.094	9.776
Load Following Generation:													
Seminoe	gwh	8.762	8.378	8.611	8.561	7.661	11.369	22.170	27.572	27.473	21.502	10.308	8.423
Kortes	gwh	8.462	8.187	8.462	8.462	7.637	11.369	22.308	27.572	26.677	20.623	9.942	8.170
Fremont Canyon	gwh	6.480	9.638	9.948	9.922	8.973	10.011	32.287	47.313	45.758	47.256	36.898	18.712
Alcova	gwh	6.476	4.651	4.814	4.801	4.338	4.814	12.572	25.844	25.004	25.844	15.932	8.302
Total	gwh	30.180	30.854	31.835	31.746	28.609	37.563	89.337	128.301	124.912	115.225	73.080	43.607
Total Generation	gwh	30.180	30.854	31.835	31.746	28.609	38.828	108.606	159.821	154.235	142.185	94.174	53.383
Total Capability	gwh	112.513	107.655	133.637	132.802	115.767	163.943	161.993	167.411	160.227	161.744	156.067	145.371

PROJECT RELEASE FLEXIBILITY

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Seminoe	Min kaf	49.5	29.8	30.8	30.8	27.8	66.1	129.7	160.3	155.1	119.9	57.8	47.5
	Max kaf	49.5	101.0	102.0	102.0	99.0	66.1	129.7	160.3	155.1	119.9	57.8	47.5
	Min gwh	8.762	5.245	5.391	5.359	4.796	11.369	22.170	27.572	27.473	21.502	10.308	8.423
	Max gwh	8.762	17.776	17.853	17.748	17.081	11.369	22.170	27.572	27.473	21.502	10.308	8.423
Kortes	Min kaf	49.2	29.8	30.8	30.8	27.8	66.1	129.7	160.3	155.1	119.9	57.8	47.5
	Max kaf	49.2	101.0	102.0	102.0	99.0	66.1	129.7	160.3	155.1	119.9	57.8	47.5
	Min gwh	8.462	5.126	5.298	5.298	4.782	11.369	22.308	27.572	26.677	20.623	9.942	8.170
	Max gwh	8.462	17.372	17.544	17.544	16.701	11.369	22.308	27.572	26.677	20.623	9.942	8.170
Fremont Canyon	Min kaf	23.2	30.1	30.9	30.9	28.0	31.1	115.4	200.6	197.0	204.2	132.2	67.4
	Max kaf	23.2	52.6	53.4	53.4	50.5	53.6	115.4	200.6	197.0	204.2	132.2	67.4
	Min gwh	6.480	8.409	8.634	8.636	7.827	8.697	32.287	47.313	45.758	47.256	36.898	18.712
	Max gwh	6.480	14.695	14.922	14.925	14.117	14.989	32.287	47.313	45.758	47.256	36.898	18.712
Alcova	Min kaf	46.9	29.8	30.7	30.7	27.8	30.7	91.1	184.6	178.6	184.6	113.8	59.3
	Max kaf	46.9	52.3	53.2	53.2	50.3	53.2	91.1	184.6	178.6	184.6	113.8	59.3
	Min gwh	6.476	4.053	4.175	4.175	3.781	4.175	12.572	25.844	25.004	25.844	15.932	8.302
	Max gwh	6.476	7.113	7.235	7.235	6.841	7.235	12.572	25.844	25.004	25.844	15.932	8.302
Load Following	Min gwh	30.180	22.833	23.498	23.468	21.186	35.610	89.337	128.301	124.912	115.225	73.080	43.607
	Max gwh	30.180	56.956	57.554	57.452	54.740	44.962	89.337	128.301	124.912	115.225	73.080	43.607
Total Project	Min gwh	30.180	22.833	23.498	23.468	21.186	36.875	108.606	159.821	154.235	142.185	94.174	53.383
	Max gwh	30.180	56.956	57.554	57.452	54.740	46.227	108.606	159.821	154.235	142.185	94.174	53.383

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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	1.7	21.6	37.2	35.6	31.1	23.2	8.7
Guernsey	mw	0.0	0.0	0.0	0.0	0.0	0.0	5.2	5.2	5.2	5.2	5.2	4.9
Total Base Load	mw	0.0	0.0	0.0	0.0	0.0	1.7	26.8	42.4	40.8	36.3	28.4	13.6
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	11.9	9.0	9.6	12.0	12.0	12.0
Max Capacity	mw	14.1	13.4	14.0	14.0	12.2	20.8	43.9	45.0	45.0	42.0	17.2	13.3
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.1	15.0	14.4	12.0	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	11.6	11.6	11.6	11.5	11.8	7.3	2.1	3.0	8.9	11.9	11.6
Max Capacity	mw	14.9	14.2	14.9	14.9	12.9	21.3	36.0	36.0	36.0	36.0	18.6	14.2
Duration	mw	12.4	12.4	12.4	12.4	12.5	12.2	16.7	21.9	21.0	15.1	12.1	12.4
Fremont Canyon													
Min Capacity	mw	7.5	7.5	7.5	7.5	7.5	7.5	7.5	66.0	66.0	66.0	7.5	7.5
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	8.0	12.0	12.0	12.0	5.2	12.0
Max Capacity	mw	10.2	20.6	21.5	21.5	18.4	21.7	66.0	66.0	66.0	66.0	66.0	48.1
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	16.0	12.0	12.0	12.0	18.8	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	3.6	4.4	3.6	11.8	12.0
Max Capacity	mw	14.5	9.5	10.0	10.0	8.6	10.0	28.4	36.0	36.0	36.0	35.2	17.8
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	20.4	19.6	20.4	12.2	12.0
Total Load Following													
Min Capacity	mw	23.8	23.8	23.8	23.8	23.8	23.8	23.8	82.3	82.3	82.3	23.8	23.8
Max Capacity	mw	53.7	57.7	60.4	60.4	52.1	73.8	174.3	183.0	183.0	180.0	137.0	93.4
Total Project Capacity													
Min Capacity	mw	23.8	23.8	23.8	23.8	23.8	25.5	50.6	124.7	123.1	118.6	52.2	37.4
Max Capacity	mw	53.7	57.7	60.4	60.4	52.1	75.5	201.1	225.4	223.8	216.3	165.4	107.0

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HYDROLOGY OPERATIONS

Seminoe Reservoir Operations — Initial Content 895.5 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	49.1	47.6	49.1	49.1	44.4	49.1	47.6	86.1	125.1	100.1	30.8	29.8
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	49.1	47.6	49.1	49.1	44.4	49.1	47.6	86.1	125.1	100.1	30.8	29.8
Total Release	cfs	799.	800.	799.	799.	799.	799.	800.	1400.	2102.	1628.	501.	501.
Evaporation	kaf	5.1	2.7	1.5	1.4	1.4	2.8	5.3	5.3	8.6	9.1	7.4	5.3
End-month content	kaf	868.9	843.4	815.6	784.2	760.5	756.1	782.6*	812.0*	798.4*	722.0*	703.0#	681.3#
End-month elevation	ft	6349.2	6347.8	6346.2	6344.3	6342.9	6342.6	6344.2	6346.0	6345.2	6340.4	6339.2	6337.7

Kortes Reservoir Operations — Initial Content 4.5 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	49.1	47.6	49.1	49.1	44.4	49.1	47.6	86.1	125.1	100.1	30.8	29.8
Total Inflow	cfs	799.	800.	799.	799.	799.	799.	800.	1400.	2102.	1628.	501.	501.
Turbine Release	kaf	48.8	47.6	49.1	49.1	44.4	49.1	47.6	86.1	125.1	100.1	30.8	29.8
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	48.8	47.6	49.1	49.1	44.4	49.1	47.6	86.1	125.1	100.1	30.8	29.8
Total Release	cfs	794.	800.	799.	799.	799.	799.	800.	1400.	2102.	1628.	501.	501.

Pathfinder Reservoir Operations — Initial Content 857.8 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	8.7	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	48.8	47.6	49.1	49.1	44.4	49.1	47.6	86.1	125.1	100.1	30.8	29.8
Total Inflow	kaf	53.6	51.3	54.0	52.7	48.1	57.1	59.2	95.1	134.0	109.2	40.0	33.9
Total Inflow	cfs	872.	862.	878.	857.	866.	929.	995.	1547.	2252.	1776.	651.	570.
Turbine Release	kaf	23.2	34.6	35.6	35.6	32.2	35.9	72.4	168.0	163.6	164.1	126.3	40.0
Jetflow Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	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	23.2	34.6	35.6	35.6	32.2	35.9	72.4	168.0	174.6	164.1	126.3	40.0
Total Release	cfs	377.	581.	579.	579.	580.	584.	1217.	2732.	2934.	2669.	2054.	672.
Evaporation	kaf	5.6	3.1	1.7	1.7	1.8	3.7	6.9	8.0	11.3	11.9	9.7	6.9
End-month content	kaf	882.6	896.2	912.9	928.3	942.4	959.9	939.8	858.9	807.0	740.2	644.2	631.2
End-month elevation	ft	5843.7	5844.4	5845.2	5846.0	5846.7	5847.5	5846.5	5842.5	5839.8	5836.2	5830.4	5829.5

Alcova Reservoir Operations — Initial Content 180.3 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	23.2	34.6	35.6	35.6	32.2	35.9	72.4	168.0	174.6	164.1	126.3	40.0
Total Inflow	cfs	377.	581.	579.	579.	580.	584.	1217.	2732.	2934.	2669.	2054.	672.
Turbine Release	kaf	46.9	34.3	35.4	35.4	32.0	35.5	48.1	150.0	154.2	142.5	105.9	29.9
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	46.9	34.3	35.4	35.4	32.0	35.5	48.1	167.0	173.2	162.5	124.9	38.9
Total Release	cfs	763.	576.	576.	576.	576.	577.	808.	2716.	2911.	2643.	2031.	654.
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 1.6 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	46.9	34.3	35.4	35.4	32.0	35.5	48.1	150.0	154.2	142.5	105.9	29.9
Total Inflow	cfs	763.	576.	576.	576.	576.	577.	808.	2440.	2591.	2318.	1722.	502.
Total Release	kaf	46.6	34.3	35.4	35.4	32.0	35.5	48.0	149.9	154.1	142.4	105.8	29.8
Total Release	cfs	758.	576.	576.	576.	576.	577.	807.	2438.	2590.	2316.	1721.	501.

Glendo Reservoir Operations — Initial Content 235.7 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	46.6	34.3	35.4	35.4	32.0	35.5	48.0	149.9	154.1	142.4	105.8	29.8
Total Inflow	kaf	59.3	45.6	42.8	42.8	41.9	51.2	57.3	162.1	151.1	132.1	103.3	40.7
Total Inflow	cfs	964.	766.	696.	696.	754.	833.	963.	2636.	2539.	2148.	1680.	684.
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	9.5	44.2	143.9	174.9	228.1	221.4	110.2
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	76.3	36.4	0.0
Total Release	kaf	1.5	1.5	1.5	1.5	1.5	11.0	45.7	145.4	176.4	305.9	259.3	111.7
Total Release	cfs	24.	25.	24.	24.	27.	179.	768.	2365.	2965.	4975.	4217.	1877.
Evaporation	kaf	1.7	1.0	0.9	0.9	1.0	2.1	3.5	5.2	6.9	6.4	4.0	1.8
End-month content	kaf	291.2*	334.1	374.4	414.7	454.0	492.0*	500.0*	512.0*	480.0*	300.0*	140.0*	67.3#
End-month elevation	ft	4612.2	4617.3	4621.7	4625.8	4629.5	4632.9	4633.6	4634.6	4631.9	4613.3	4589.2	4571.3

Guernsey Reservoir Operations — Initial Content 0.0 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	11.0	45.7	145.4	176.4	305.9	259.3	111.7
Total Inflow	kaf	4.4	3.6	3.5	3.0	3.0	12.5	46.0	145.9	174.2	303.3	258.1	114.3
Total Inflow	cfs	72.	60.	57.	49.	54.	203.	773.	2373.	2928.	4933.	4198.	1921.
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	37.1	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	0.0	0.0	0.0	91.2	119.1	249.1	201.5	84.0
Total Release	kaf	0.3	0.2	0.3	0.4	0.3	0.3	37.5	145.0	173.0	305.0	257.0	140.6
Total Release	cfs	5.	3.	5.	7.	5.	5.	630.	2358.	2907.	4960.	4180.	2363.
Evaporation	kaf	0.1	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	4.0#	7.2	10.2	12.6	15.1#	27.0*	35.0*	35.0*	35.0*	32.0*	32.0*	5.0*
End-month elevation	ft	4392.8	4397.4	4400.5	4402.5	4404.4	4411.4	4415.3	4415.3	4415.3	4413.9	4413.9	4394.5

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OWNERSHIP OPERATIONS

North Platte Pathfinder — Initial Ownership 799.8 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	26.4	25.4	25.6	20.5	23.4	51.3	44.1	0.0	0.0	0.0	0.0	0.0
Evaporation	kaf	4.9	2.8	1.7	1.7	1.8	3.7	6.9	8.5	12.4	13.1	8.7	4.6
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	255.0	225.9	104.3
End-month Ownership	kaf	826.2	851.6	877.2	897.7	921.1	972.4	1016.5	1008.0	995.6	727.5	492.9	384.0

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	0.1	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	0.2	0.0	0.0
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	16.5	0.0	0.0
End-month Ownership	kaf	0.0	0.0	9.1	17.6	28.7	45.5	45.6	45.2	16.7	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	15.3	13.1	0.0	0.0	0.0	0.0	9.4	0.0	0.0	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.3	0.3	0.0	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0
Trnsfr fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	37.5	0.0	0.0	0.0	0.0	0.0
End-month Ownership	kaf	15.3	28.4	28.4	28.3	28.2	28.1	0.0	0.0	0.0	0.0	0.0	0.0

Kendrick — Initial Ownership1166.4 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	31.2	0.0	0.0	0.0	0.0	0.0
Evaporation	kaf	7.1	3.8	2.3	2.2	2.3	4.6	8.2	9.9	14.3	14.9	13.1	9.9
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	20.0	19.0	9.0
End-month Ownership	kaf	1159.3	1155.5	1153.2	1151.0	1148.7	1144.1	1175.3	1165.4	1132.1	1097.2	1065.1	1046.2

Glendo Unit — Initial Ownership 168.4 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	0.4	0.3	0.3	0.6	1.2	1.4	2.0	2.1	1.8	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	167.4	166.9	166.5	166.2	165.9	165.3	164.1	162.7	157.7	150.6	141.8	134.9

Excess to Ownership — Initial Ownership 35.6 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	0.3	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.0	0.0	0.0
Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8	17.3	0.0	0.0	0.0
End-month total	kaf	35.3	35.2	35.1	35.0	34.9	34.7	34.5	17.5	0.0	0.0	0.0	0.0

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City of Cheyenne Initial Ownership 3.2 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	0.1	0.1	0.1	0.1	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	4.3	4.6	5.0	5.5	6.1	6.6	6.7	3.9	2.9	3.3	3.8	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	0.2	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	250.0	135.0
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	0.0	0.0	0.0	0.0	0.0	0.0	37.5	0.0	0.0	0.0	0.0	0.0
Total Requirement	kaf	0.0	0.0	0.0	0.0	0.0	0.0	37.5	145.0	173.0	305.0	257.0	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	0.3	0.2	0.3	0.4	0.3	0.3	37.5	145.0	173.0	305.0	257.0	140.6

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POWER GENERATION

Seminoe Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	49.1	47.6	49.1	49.1	44.4	49.1	47.6	86.1	125.1	100.1	30.8	29.8
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	32.869	31.962	33.198	33.408	30.169	33.488	32.353	33.443	32.260	33.488	33.476	32.256
Actual generation	gwh	8.691	8.378	8.593	8.543	7.637	8.445	8.187	14.981	21.767	17.217	5.234	5.006
Percent max generation		26.	26.	26.	26.	25.	25.	25.	45.	67.	51.	16.	16.
Average kwh/af		177.	176.	175.	174.	172.	172.	172.	174.	174.	172.	170.	168.

Kortes Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	48.8	47.6	49.1	49.1	44.4	49.1	47.6	86.1	125.1	100.1	30.8	29.8
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	27.933	26.712	27.606	27.606	24.940	27.606	26.712	27.606	26.712	27.606	27.606	26.712
Actual generation	gwh	8.394	8.187	8.445	8.445	7.637	8.445	8.187	14.809	21.517	17.217	5.298	5.126
Percent max generation		30.	31.	31.	31.	31.	31.	31.	54.	81.	62.	19.	19.
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	23.2	34.6	35.6	35.6	32.2	35.9	72.4	168.0	163.6	164.1	126.3	40.0
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0	0.0	0.0	0.0
Maximum generation	gwh	47.229	45.706	47.254	47.265	42.691	47.287	45.748	47.250	45.667	46.941	46.207	44.195
Actual generation	gwh	6.480	9.667	9.948	9.951	9.002	10.039	20.246	46.943	45.667	45.553	34.512	10.806
Percent max generation		14.	21.	21.	21.	21.	21.	44.	99.	100.	97.	75.	24.
Average kwh/af		279.	279.	279.	280.	280.	280.	280.	279.	279.	278.	273.	270.

Alcova Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	46.9	34.3	35.4	35.4	32.0	35.5	48.1	150.0	154.2	142.5	105.9	29.9
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	27.173	26.588	27.472	27.472	24.820	27.472	26.275	27.552	26.656	27.552	27.552	26.656
Actual generation	gwh	6.476	4.665	4.814	4.814	4.352	4.828	6.638	21.000	21.588	19.950	14.826	4.186
Percent max generation		24.	18.	18.	18.	18.	18.	25.	76.	81.	72.	54.	16.
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	9.5	44.2	143.9	174.9	228.1	221.4	110.2
Bypass	kaf	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	77.8	37.9	1.5
Maximum generation	gwh	20.703	21.479	23.403	12.765	13.231	24.682	26.636	27.823	26.636	24.409	19.381	12.361
Actual generation	gwh	0.000	0.000	0.000	0.000	0.000	1.078	5.092	16.689	20.150	24.409	19.381	6.880
Percent max generation		0.	0.	0.	0.	0.	4.	19.	60.	76.	100.	100.	56.
Average kwh/af		0.	0.	0.	0.	0.	113.	115.	116.	115.	107.	88.	62.

Guernsey 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	0.0	37.1	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	204.0	86.1
Maximum generation	gwh	1.383	2.964	1.885	2.675	1.915	2.359	3.711	3.840	3.716	3.839	3.837	3.515
Actual generation	gwh	0.000	0.000	0.000	0.000	0.000	0.000	2.679	3.840	3.716	3.839	3.837	3.515
Percent max generation		0.	0.	0.	0.	0.	0.	72.	100.	100.	100.	100.	100.
Average kwh/af		0.	0.	0.	0.	0.	0.	72.	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	1.078	5.092	16.689	20.150	24.409	19.381	6.880
Guernsey	gwh	0.000	0.000	0.000	0.000	0.000	0.000	2.679	3.840	3.716	3.839	3.837	3.515
Total	gwh	0.000	0.000	0.000	0.000	0.000	1.078	7.771	20.529	23.866	28.248	23.218	10.395
Load Following Generation:													
Seminoe	gwh	8.691	8.378	8.593	8.543	7.637	8.445	8.187	14.981	21.767	17.217	5.234	5.006
Kortes	gwh	8.394	8.187	8.445	8.445	7.637	8.445	8.187	14.809	21.517	17.217	5.298	5.126
Fremont Canyon	gwh	6.480	9.667	9.948	9.951	9.002	10.039	20.246	46.943	45.667	45.553	34.512	10.806
Alcova	gwh	6.476	4.665	4.814	4.814	4.352	4.828	6.638	21.000	21.588	19.950	14.826	4.186
Total	gwh	30.041	30.897	31.800	31.753	28.628	31.757	43.258	97.733	110.539	99.937	59.870	25.124
Total Generation	gwh	30.041	30.897	31.800	31.753	28.628	32.835	51.029	118.262	134.405	128.185	83.088	35.519
Total Capability	gwh	157.290	155.411	160.818	151.191	137.766	162.894	161.435	167.514	161.647	163.835	158.059	145.695

PROJECT RELEASE FLEXIBILITY

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Seminoe	Min kaf	31.1	29.8	30.8	30.8	27.8	30.8	29.8	86.1	125.1	100.1	30.8	29.8
	Max kaf	156.2	154.9	152.7	137.3	118.5	105.7	124.3	86.1	125.1	100.1	30.8	29.8
	Min gwh	5.505	5.245	5.390	5.359	4.782	5.298	5.126	14.981	21.767	17.217	5.234	5.006
	Max gwh	27.647	27.262	26.723	23.890	20.382	18.180	21.380	14.981	21.767	17.217	5.234	5.006
Kortes	Min kaf	30.8	29.8	30.8	30.8	27.8	30.8	29.8	86.1	125.1	100.1	30.8	29.8
	Max kaf	155.9	154.9	152.7	137.3	118.5	105.7	124.3	86.1	125.1	100.1	30.8	29.8
	Min gwh	5.298	5.126	5.298	5.298	4.782	5.298	5.126	14.809	21.517	17.217	5.298	5.126
	Max gwh	26.815	26.643	26.264	23.616	20.382	18.180	21.380	14.809	21.517	17.217	5.298	5.126
Fremont Canyon	Min kaf	23.2	30.1	30.9	30.9	28.0	31.1	72.4	168.0	174.6	164.1	126.3	40.0
	Max kaf	23.2	53.0	53.8	53.8	50.9	54.0	72.4	168.0	174.6	164.1	126.3	40.0
	Min gwh	6.480	8.409	8.635	8.637	7.828	8.697	20.246	46.943	45.667	45.553	34.512	10.806
	Max gwh	6.480	14.807	15.034	15.038	14.230	15.101	20.246	46.943	45.667	45.553	34.512	10.806
Alcova	Min kaf	46.9	29.8	30.7	30.7	27.8	30.7	48.1	150.0	154.2	142.5	105.9	29.9
	Max kaf	46.9	52.7	53.6	53.6	50.7	53.6	48.1	150.0	154.2	142.5	105.9	29.9
	Min gwh	6.476	4.053	4.175	4.175	3.781	4.175	6.638	21.000	21.588	19.950	14.826	4.186
	Max gwh	6.476	7.167	7.290	7.290	6.895	7.290	6.638	21.000	21.588	19.950	14.826	4.186
Load Following	Min gwh	23.759	22.833	23.498	23.469	21.173	23.468	37.136	97.733	110.539	99.937	59.870	25.124
	Max gwh	67.418	75.879	75.311	69.834	61.889	58.751	69.644	97.733	110.539	99.937	59.870	25.124
Total Project	Min gwh	23.759	22.833	23.498	23.469	21.173	24.546	44.907	118.262	134.405	128.185	83.088	35.519
	Max gwh	67.418	75.879	75.311	69.834	61.889	59.829	77.415	118.262	134.405	128.185	83.088	35.519

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	1.4	7.1	22.4	28.0	32.8	26.0	9.6
Guernsey	mw	0.0	0.0	0.0	0.0	0.0	0.0	3.7	5.2	5.2	5.2	5.2	4.9
Total Base Load	mw	0.0	0.0	0.0	0.0	0.0	1.4	10.8	27.6	33.2	38.0	31.2	14.5
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	12.6	12.0	12.3	12.0	12.0
Max Capacity	mw	13.9	13.4	13.9	13.9	12.2	13.9	13.4	28.6	43.0	34.8	6.7	6.3
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	11.4	12.0	11.7	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	11.6	11.6	11.6	11.5	11.6	11.6	11.9	8.1	11.6	11.0	12.0
Max Capacity	mw	14.7	14.2	14.9	14.9	12.9	14.9	14.2	29.9	36.0	34.7	7.1	7.0
Duration	mw	12.4	12.4	12.4	12.4	12.5	12.4	12.4	12.1	15.9	12.4	13.0	12.0
Fremont Canyon													
Min Capacity	mw	7.5	7.5	7.5	7.5	7.5	7.5	7.5	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	6.1	12.0
Max Capacity	mw	10.2	20.6	21.5	21.5	18.5	21.8	52.3	66.0	66.0	66.0	66.0	25.5
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	17.9	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	7.9	7.4	8.9	12.0	12.0
Max Capacity	mw	14.5	9.6	10.0	10.0	8.6	10.1	14.8	36.0	36.0	36.0	34.1	7.8
Duration	mw	12.0	12.0	12.0	12.0	12.0	12.0	12.0	16.1	16.6	15.2	12.0	12.0
Total Load Following													
Min Capacity	mw	23.8	23.8	23.8	23.8	23.8	23.8	23.8	82.3	82.3	82.3	23.8	23.8
Max Capacity	mw	53.3	57.8	60.3	60.3	52.2	60.7	94.7	160.5	181.0	171.5	113.9	46.6
Total Project Capacity													
Min Capacity	mw	23.8	23.8	23.8	23.8	23.8	25.2	34.6	109.9	115.5	120.3	55.0	38.3
Max Capacity	mw	53.3	57.8	60.3	60.3	52.2	62.1	105.5	188.1	214.2	209.5	145.1	61.1

NORTH PLATTE RIVER OPERATING PLAN
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HYDROLOGY OPERATIONS

Seminoe Reservoir Operations — Initial Content 895.5 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	221.0	63.2	35.6
Total Inflow	cfs	589.	548.	441.	411.	490.	927.	2117.	6639.	9678.	3594.	1028.	598.
Turbine Release	kaf	49.0	47.4	49.0	49.0	44.2	184.4	189.1	196.4	180.9	178.7	93.4	55.0
Jetflow Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	19.1	44.5	134.2	67.8	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	49.0	47.4	49.0	49.0	44.2	184.4	208.2	240.9	315.1	246.5	93.4	55.0
Total Release	cfs	797.	797.	797.	797.	796.	2999.	3499.	3918.	5295.	4009.	1519.	924.
Evaporation	kaf	5.1	2.7	1.5	1.4	1.4	2.7	4.5	4.6	9.2	11.1	9.3	6.6
End-month content	kaf	878.7	861.5	838.5	813.9	796.1*	666.5*	580.0*	740.0*	990.7*	954.6*	915.7*	890.0*
End-month elevation	ft	6349.8	6348.8	6347.5	6346.1	6345.0	6336.7	6330.4	6341.6	6355.7	6353.8	6351.8	6350.4

Kortes Reservoir Operations — Initial Content 4.5 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	49.0	47.4	49.0	49.0	44.2	184.4	208.2	240.9	315.1	246.5	93.4	55.0
Total Inflow	cfs	797.	797.	797.	797.	796.	2999.	3499.	3918.	5295.	4009.	1519.	924.
Turbine Release	kaf	48.7	47.4	49.0	49.0	44.2	160.5	155.3	160.5	155.3	160.5	93.4	55.0
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	23.9	52.9	80.4	159.8	86.0	0.0	0.0
Total Release	kaf	48.7	47.4	49.0	49.0	44.2	184.4	208.2	240.9	315.1	246.5	93.4	55.0
Total Release	cfs	792.	797.	797.	797.	796.	2999.	3499.	3918.	5295.	4009.	1519.	924.

Pathfinder Reservoir Operations — Initial Content 857.8 Kaf — Operating Limits: Max 1126.5 Kaf, 5854.90 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	48.7	47.4	49.0	49.0	44.2	184.4	208.2	240.9	315.1	246.5	93.4	55.0
Total Inflow	kaf	55.7	51.2	51.3	51.6	48.4	194.7	235.7	309.9	362.2	264.9	104.5	62.3
Total Inflow	cfs	906.	860.	834.	839.	871.	3166.	3961.	5040.	6087.	4308.	1700.	1047.
Turbine Release	kaf	23.2	34.7	35.7	35.8	32.3	144.2	163.6	169.1	163.6	169.1	139.2	64.2
Jetflow Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	120.7	98.4	163.4	112.2	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	23.2	34.7	35.7	35.8	32.3	144.2	284.3	267.5	327.0	281.3	139.2	64.2
Total Release	cfs	377.	583.	581.	582.	582.	2345.	4778.	4350.	5495.	4575.	2264.	1079.
Evaporation	kaf	5.6	3.1	1.7	1.7	1.8	3.7	6.9	8.3	12.6	14.0	12.2	9.1
End-month content	kaf	884.7	898.1	912.0	926.1	940.4	987.2	931.7	965.8	988.4	958.0	911.1	900.1
End-month elevation	ft	5843.8	5844.5	5845.2	5845.9	5846.6	5848.8	5846.1	5847.8	5848.8	5847.4	5845.1	5844.6

Alcova Reservoir Operations — Initial Content 180.3 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	23.2	34.7	35.7	35.8	32.3	144.2	284.3	267.5	327.0	281.3	139.2	64.2
Total Inflow	cfs	377.	583.	581.	582.	582.	2345.	4778.	4350.	5495.	4575.	2264.	1079.
Turbine Release	kaf	46.9	34.4	35.5	35.6	32.1	143.8	190.4	196.8	190.4	196.8	120.8	56.1
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	69.6	54.7	118.2	64.9	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	46.9	34.4	35.5	35.6	32.1	143.8	260.0	266.5	325.6	279.7	137.8	63.1
Total Release	cfs	763.	578.	577.	579.	578.	2339.	4369.	4334.	5472.	4549.	2241.	1060.
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 1.6 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	46.9	34.4	35.5	35.6	32.1	143.8	260.0	251.5	308.6	261.7	120.8	56.1
Total Inflow	cfs	763.	578.	577.	579.	578.	2339.	4369.	4090.	5186.	4256.	1965.	943.
Total Release	kaf	46.6	34.4	35.5	35.6	32.1	143.8	259.9	251.4	308.5	261.6	120.7	56.0
Total Release	cfs	758.	578.	577.	579.	578.	2339.	4368.	4089.	5185.	4255.	1963.	941.

Glendo Reservoir Operations — Initial Content 235.7 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	46.6	34.4	35.5	35.6	32.1	143.8	259.9	251.4	308.5	261.6	120.7	56.0
Total Inflow	kaf	61.1	47.8	39.9	48.8	44.6	160.8	309.3	453.5	381.9	270.2	130.4	74.3
Total Inflow	cfs	994.	803.	649.	794.	803..	2615.	5198.	7375.	6418.	4394.	2121.	1249.
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	210.1	224.7	237.6	232.9	233.5	221.4	154.0
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	40.8	143.0	146.5	164.3	130.0	0.0
Total Release	kaf	1.5	1.5	1.5	1.5	1.5	211.6	267.0	382.1	380.9	399.3	352.9	155.5
Total Release	cfs	24.	25.	24.	24.	27.	3441.	4487.	6214.	6401.	6494.	5739.	2613.
Evaporation	kaf	1.7	1.1	0.9	0.9	1.0	1.9	3.1	4.9	7.2	7.1	4.5	1.9
End-month content	kaf	293.0*	338.0	375.4	421.7	463.7*	410.9*	450.0*	517.0*	511.0*	375.0*	148.0*	65.0*
End-month elevation	ft	4612.4	4617.7	4621.8	4626.5	4630.4	4625.4	4629.2	4635.0	4634.5	4621.8	4590.7	4570.6

Guernsey Reservoir Operations — Initial Content 0.0 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	1.5	211.6	267.0	382.1	380.9	399.3	352.9	155.5
Total Inflow	kaf	4.9	3.3	2.9	3.5	2.9	212.2	274.1	410.9	408.2	408.4	354.1	160.7
Total Inflow	cfs	80.	55.	47.	57.	52.	3451.	4606.	6683.	6860.	6642.	5759.	2701.
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	55.3	51.4	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	144.4	213.8	356.2	353.1	355.1	297.5	130.4
Total Release	kaf	0.3	0.2	0.3	0.4	0.3	200.0	265.6	410.0	407.0	411.0	353.0	187.0
Total Release	cfs	5.	3.	5.	7.	5.	3253.	4464.	6668.	6840.	6684.	5741.	3143.
Evaporation	kaf	0.1	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	4.5#	7.4	9.8	12.7	15.1#	27.0*	35.0*	35.0*	35.0*	32.0*	32.0*	5.0*
End-month elevation	ft	4393.6	4397.6	4400.1	4402.6	4404.4	4411.4	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 799.8 Kaf, Accrued this water year: 0.0 Kaf

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Net Accrual	kaf	38.3	33.6	27.7	26.2	29.6	61.3	0.0	0.0	0.0	0.0	0.0	0.0
Evaporation	kaf	4.9	2.8	1.7	1.7	1.8	3.7	7.2	9.2	13.0	12.5	11.1	7.9
Deliv fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71.5	108.6
End-month Ownership	kaf	838.1	871.7	899.4	925.6	955.2	1016.5	1009.3	1000.1	987.1	974.6	892.0	775.5

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	13.6	11.7	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	0.1	0.3	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	43.2	0.0
End-month Ownership	kaf	0.0	0.0	5.5	20.3	33.9	45.6	45.3	44.9	44.3	43.7	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	17.6	14.9	0.0	0.0	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0
Trnsfr fm Ownership	kaf	0.0	0.0	0.0	0.0	0.0	0.0	45.6	0.0	0.0	0.0	0.0	0.0
End-month Ownership	kaf	17.6	32.5	32.4	32.3	32.2	32.1	0.0	0.0	0.0	0.0	0.0	0.0

Kendrick — Initial Ownership1166.4 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	55.1	0.0	0.0	0.0	0.0	0.0
Evaporation	kaf	7.1	3.9	2.3	2.2	2.3	4.3	6.9	8.5	15.5	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	1159.3	1155.4	1153.1	1150.9	1148.6	1146.6	1201.7	1193.2	1177.7	1162.8	1132.5	1115.4

Glendo Unit — Initial Ownership 168.4 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	5.8	9.0	0.0	0.0	0.0	0.0	0.0
Evaporation	kaf	1.0	0.5	0.3	0.3	0.3	0.6	1.2	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	167.4	166.9	166.6	166.3	166.0	171.2	179.0	177.4	175.1	172.9	162.9	149.4

Excess to Ownership — Initial Ownership 35.6 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	125.3	583.1	579.7	0.0	0.0	0.0
Evaporation/Seepage	kaf	0.3	0.1	0.1	0.1	0.1	0.2	0.0	0.0	0.2	4.0	1.6	0.0
Release	kaf	0.0	0.0	0.0	0.0	0.0	200.0	220.0	300.0	280.0	171.9	145.1	0.0
End-month total	kaf	35.3	35.2	35.1	35.0	34.9	-165.3	-260.0	23.1	322.6	146.7	0.0	0.0

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City of Cheyenne Initial Ownership 3.2 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	0.1	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	4.3	4.6	5.0	5.5	6.1	6.6	6.7	3.9	2.9	3.3	3.8	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	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	0.0	0.0	0.0	0.0	0.0	0.0	45.6	0.0	0.0	0.0	0.0	0.0
Total Requirement	kaf	0.0	0.0	0.0	0.0	0.0	0.0	45.6	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	0.3	0.2	0.3	0.4	0.3	200.0	265.6	410.0	407.0	411.0	353.0	187.0
Waste	kaf	0.0	0.0	0.0	0.0	0.0	199.7	220.0	300.0	280.0	100.0	50.0	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	49.0	47.4	49.0	49.0	44.2	184.4	189.1	196.4	180.9	178.7	93.4	55.0
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	0.0	19.1	44.5	134.2	67.8	0.0	0.0
Maximum generation	gwh	23.978	26.780	28.811	33.250	30.119	33.473	31.017	32.740	31.850	32.166	32.506	31.702
Actual generation	gwh	8.684	8.368	8.624	8.575	7.691	31.348	31.017	32.740	31.850	32.166	16.719	9.790
Percent max generation		36.	31.	30.	26.	26.	94.	100.	100.	100.	100.	51.	31.
Average kwh/af		177.	177.	176.	175.	174.	170.	164.	167.	176.	180.	179.	178.

Kortes Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	48.7	47.4	49.0	49.0	44.2	160.5	155.3	160.5	155.3	160.5	93.4	55.0
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	23.9	52.9	80.4	159.8	86.0	0.0	0.0
Maximum generation	gwh	29.102	26.712	23.461	21.259	16.701	27.606	26.712	27.606	26.712	27.606	27.606	26.712
Actual generation	gwh	8.376	8.153	8.428	8.428	7.602	27.606	26.712	27.606	26.712	27.606	16.065	9.460
Percent max generation		29.	31.	36.	40.	46.	100.	100.	100.	100.	100.	58.	35.
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	23.2	34.7	35.7	35.8	32.3	144.2	163.6	169.1	163.6	169.1	139.2	64.2
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	0.0	120.7	98.4	163.4	112.2	0.0	0.0
Maximum generation	gwh	24.551	26.514	32.611	47.264	42.690	47.296	45.755	47.286	45.767	47.303	47.275	45.718
Actual generation	gwh	6.480	9.695	9.976	10.006	9.030	40.332	45.755	47.286	45.767	47.303	38.916	17.941
Percent max generation		26.	37.	31.	21.	21.	85.	100.	100.	100.	100.	82.	39.
Average kwh/af		279.	279.	279.	279.	280.	280.	280.	280.	280.	280.	280.	279.

Alcova Power Plant		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Turbine Release	kaf	46.9	34.4	35.5	35.6	32.1	143.8	190.4	196.8	190.4	196.8	120.8	56.1
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	0.0	69.6	54.7	118.2	64.9	0.0	0.0
Maximum generation	gwh	13.587	13.301	27.472	13.736	12.403	27.472	26.275	27.552	26.656	27.552	27.552	26.656
Actual generation	gwh	6.476	4.678	4.828	4.842	4.366	19.557	26.275	27.552	26.656	27.552	16.912	7.854
Percent max generation		48.	35.	18.	35.	35.	71.	100.	100.	100.	100.	61.	29.
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	210.1	224.7	237.6	232.9	233.5	221.4	154.0
Bypass	kaf	1.5	1.5	1.5	1.5	1.5	1.5	42.3	144.5	148.0	165.8	131.5	1.5
Maximum generation	gwh	20.731	12.503	18.548	15.042	11.708	25.774	24.748	27.143	27.156	25.944	20.644	12.523
Actual generation	gwh	0.000	0.000	0.000	0.000	0.000	23.251	24.748	27.143	27.156	25.944	20.644	9.711
Percent max generation		0.	0.	0.	0.	0.	90.	100.	100.	100.	100.	100.	78.
Average kwh/af		0.	0.	0.	0.	0.	111.	110.	114.	117.	111.	93.	63.

Guernsey 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	55.3	51.4	52.6	50.9	52.8	53.0	54.5
Bypass	kaf	0.3	0.2	0.3	0.4	0.3	144.7	214.2	357.4	356.1	358.2	300.0	132.5
Maximum generation	gwh	1.553	1.734	2.564	2.061	2.013	3.685	3.711	3.840	3.716	3.839	3.837	3.515
Actual generation	gwh	0.000	0.000	0.000	0.000	0.000	3.685	3.711	3.840	3.716	3.839	3.837	3.515
Percent max generation		0.	0.	0.	0.	0.	100.	100.	100.	100.	100.	100.	100.
Average kwh/af		0.	0.	0.	0.	0.	67.	72.	73.	73.	73.	72.	64.

NORTH PLATTE RIVER OPERATING PLAN
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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	23.251	24.748	27.143	27.156	25.944	20.644	9.711
Guernsey	gwh	0.000	0.000	0.000	0.000	0.000	3.685	3.711	3.840	3.716	3.839	3.837	3.515
Total	gwh	0.000	0.000	0.000	0.000	0.000	26.936	28.459	30.983	30.872	29.783	24.481	13.226
Load Following Generation:													
Seminoe	gwh	8.684	8.368	8.624	8.575	7.691	31.348	31.017	32.740	31.850	32.166	16.719	9.790
Kortes	gwh	8.376	8.153	8.428	8.428	7.602	27.606	26.712	27.606	26.712	27.606	16.065	9.460
Fremont Canyon	gwh	6.480	9.695	9.976	10.006	9.030	40.332	45.755	47.286	45.767	47.303	38.916	17.941
Alcova	gwh	6.476	4.678	4.828	4.842	4.366	19.557	26.275	27.552	26.656	27.552	16.912	7.854
Total	gwh	30.016	30.894	31.856	31.851	28.689	118.843	129.759	135.184	130.985	134.627	88.612	45.045
Total Generation	gwh	30.016	30.894	31.856	31.851	28.689	145.779	158.218	166.167	161.857	164.410	113.093	58.271
Total Capability	gwh	113.502	107.544	133.467	132.612	115.634	165.306	158.218	166.167	161.857	164.410	159.420	146.826

PROJECT RELEASE FLEXIBILITY

		Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Seminoe	Min kaf	31.1	29.8	30.8	30.8	27.8	184.4	208.2	240.9	315.1	246.5	93.4	55.0
	Max kaf	119.4	118.1	119.1	119.1	116.1	184.4	208.2	240.9	315.1	246.5	93.4	55.0
	Min gwh	5.511	5.261	5.421	5.390	4.837	31.348	31.017	32.740	31.850	32.166	16.719	9.790
	Max gwh	21.160	20.849	20.962	20.842	20.201	31.348	31.017	32.740	31.850	32.166	16.719	9.790
Kortes	Min kaf	30.8	29.8	30.8	30.8	27.8	184.4	208.2	240.9	315.1	246.5	93.4	55.0
	Max kaf	119.1	118.1	119.1	119.1	116.1	184.4	208.2	240.9	315.1	246.5	93.4	55.0
	Min gwh	5.298	5.126	5.298	5.298	4.782	27.606	26.712	27.606	26.712	27.606	16.065	9.460
	Max gwh	20.485	20.313	20.485	20.485	16.701	27.606	26.712	27.606	26.712	27.606	16.065	9.460
Fremont Canyon	Min kaf	23.2	30.1	30.9	30.9	28.0	144.2	284.3	267.5	327.0	281.3	139.2	64.2
	Max kaf	23.2	48.7	49.5	49.5	46.6	144.2	284.3	267.5	327.0	281.3	139.2	64.2
	Min gwh	6.480	8.410	8.635	8.637	7.828	40.332	45.755	47.286	45.767	47.303	38.916	17.941
	Max gwh	6.480	13.606	13.833	13.835	13.028	40.332	45.755	47.286	45.767	47.303	38.916	17.941
Alcova	Min kaf	46.9	29.8	30.7	30.7	27.8	143.8	260.0	251.5	308.6	261.7	120.8	56.1
	Max kaf	46.9	48.4	49.3	49.3	46.4	143.8	260.0	251.5	308.6	261.7	120.8	56.1
	Min gwh	6.476	4.053	4.175	4.175	3.781	19.557	26.275	27.552	26.656	27.552	16.912	7.854
	Max gwh	6.476	6.582	6.705	6.705	6.310	19.557	26.275	27.552	26.656	27.552	16.912	7.854
Load Following	Min gwh	23.765	22.850	23.529	23.500	21.228	118.843	129.759	135.184	130.985	134.627	88.612	45.045
	Max gwh	54.601	61.350	61.985	61.867	56.240	118.843	129.759	135.184	130.985	134.627	88.612	45.045
Total Project	Min gwh	23.765	22.850	23.529	23.500	21.228	145.779	158.218	166.167	161.857	164.410	113.093	58.271
	Max gwh	54.601	61.350	61.985	61.867	56.240	145.779	158.218	166.167	161.857	164.410	113.093	58.271

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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	31.3	34.4	36.5	37.7	34.9	27.7	13.5
Guernsey	mw	0.0	0.0	0.0	0.0	0.0	5.0	5.2	5.2	5.2	5.2	5.2	4.9
Total Base Load	mw	0.0	0.0	0.0	0.0	0.0	36.3	39.6	41.7	42.9	40.1	32.9	18.4
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	6.8	6.8	6.8	6.8	6.8	12.6	12.0
Max Capacity	mw	13.9	13.3	13.9	13.9	12.1	45.0	45.0	45.0	45.0	45.0	31.6	16.1
Duration	mw	12.0	12.0	12.0	12.0	12.0	17.2	17.2	17.2	17.2	17.2	11.4	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	2.1	3.0	2.1	3.0	2.1	11.9	11.8
Max Capacity	mw	14.7	14.1	14.8	14.8	12.8	36.0	36.0	36.0	36.0	36.0	32.9	17.4
Duration	mw	12.4	12.4	12.4	12.4	12.5	21.9	21.0	21.9	21.0	21.9	12.1	12.2
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	3.4	12.0	12.0	12.0	12.0	4.2	12.0
Max Capacity	mw	10.2	20.7	21.6	21.7	18.6	66.0	66.0	66.0	66.0	66.0	66.0	45.5
Duration	mw	12.0	12.0	12.0	12.0	12.0	20.6	12.0	12.0	12.0	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	8.7	3.0	1.9	3.0	1.9	11.5	12.0
Max Capacity	mw	14.5	9.6	10.1	10.1	8.7	36.0	36.0	36.0	36.0	36.0	36.0	17.0
Duration	mw	12.0	12.0	12.0	12.0	12.0	15.3	21.0	22.1	21.0	22.1	12.5	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	53.3	57.7	60.4	60.5	52.2	183.0	183.0	183.0	183.0	183.0	166.5	96.0
Total Project Capacity													
Min Capacity	mw	23.8	23.8	23.8	23.8	23.8	60.1	121.9	124.0	125.2	122.4	56.7	42.2
Max Capacity	mw	53.3	57.7	60.4	60.5	52.2	219.3	222.6	224.7	225.9	223.1	199.4	114.4

GLOSSARY

Acre-Foot - A measure of volume of water equal to an area of 1 acre covered with water 1 foo deep. (43,560 cubic feet)

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

Bypass - That amount of water released from a reservoir other than through the powerplant fo 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 foo 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, o 646,272 gallons.

Evaporation pool - A volume of water set aside in the accounting process from which reservoi 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. feet is reserved exclusively for flood control.

Gains - Water which enters a river in a defined reach from a source other than an upstrea release. When flow released into a reach is greater than the riverflow exiting the lower en 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 generatin turbines at a powerplant which is connected to a reservoir.

Hydromet - Computer software designed for the acquisition, processing, storage and retrieva 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 whethe 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 syste in Nebraska which are used to store and re-release irrigation water. (Lake Alice, Lak 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.

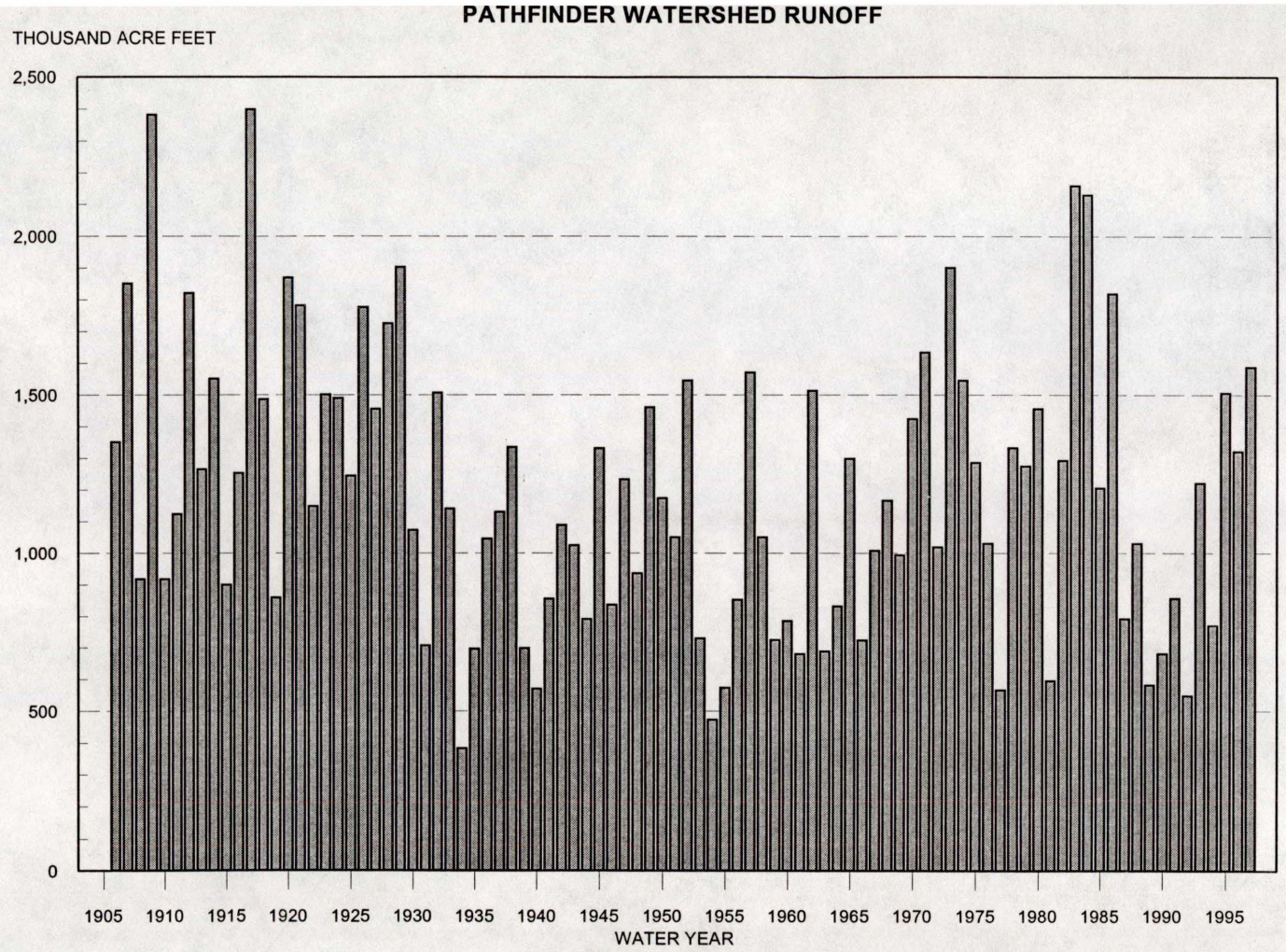
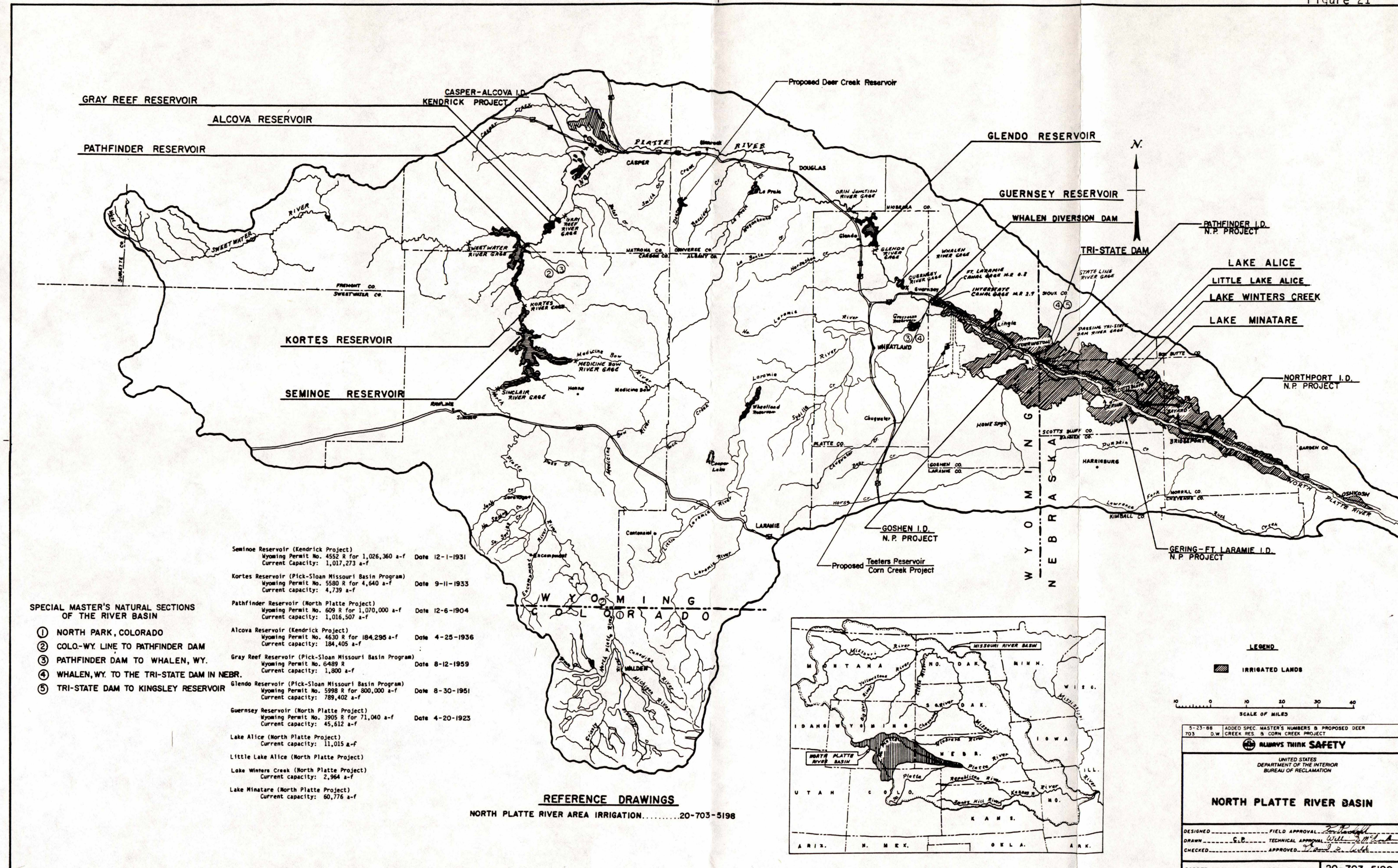

PATHFINDER WATERSHED RUNOFF
THOUSAND ACRE FEET
2,500
2,000
1,500
1,000
500
0
1905
1910
1915
1920
1925
1930
1935
1940
1945
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
WATER YEAR

Figure 20

Figure 21


GRAY REEF RESERVOIR
ALCOVA RESERVOIR
PATHFINDER RESERVOIR
CASPER-ALCOVA I.D.
KENDRICK PROJECT
Proposed Deer Creek Reservoir
GLENDO RESERVOIR
GUERNSEY RESERVOIR
WHALEN DIVERSION DAM
TRI-STATE DAM
PATHFINDER I.D.
N.P. PROJECT
LAKE ALICE
LITTLE LAKE ALICE
LAKE WINTERS CREEK
LAKE MINATARE
NORTHPORT I.D.
N.P. PROJECT
KORTES RESERVOIR
SEMINOE RESERVOIR
GOSHEN I.D.
N.P. PROJECT
Proposed Teeters Reservoir
Corn Creek Project
GERING-FT LARAMIE I.D.
N.P. PROJECT
N.
PLATTE RIVER
SWEETWATER RIVER
CASPER
DOUGLAS
WHEATLAND
LARAMIE
RAWLINS
WYOMING
COLORADO
NEBRASKA
SPECIAL MASTER'S NATURAL SECTIONS
OF THE RIVER BASIN
① NORTH PARK, COLORADO
② COLO.-WY. LINE TO PATHFINDER DAM
③ PATHFINDER DAM TO WHALEN, WY.
④ WHALEN, WY. TO THE TRI-STATE DAM IN NEBR.
⑤ TRI-STATE DAM TO KINGSLEY RESERVOIR
Seminoe Reservoir (Kendrick Project)
Wyoming Permit No. 4552 R for 1,026,360 a-f Date 12-1-1931
Current Capacity: 1,017,273 a-f
Kortes Reservoir (Pick-Sloan Missouri Basin Program)
Wyoming Permit No. 5580 R for 4,640 a-f Date 9-11-1933
Current capacity: 4,739 a-f
Pathfinder Reservoir (North Platte Project)
Wyoming Permit No. 609 R for 1,070,000 a-f Date 12-6-1904
Current capacity: 1,016,507 a-f
Alcova Reservoir (Kendrick Project)
Wyoming Permit No. 4630 R for 184,295 a-f Date 4-25-1936
Current capacity: 184,405 a-f
Gray Reef Reservoir (Pick-Sloan Missouri Basin Program)
Wyoming Permit No. 6489 R Date 8-12-1959
Current capacity: 1,800 a-f
Glendo Reservoir (Pick-Sloan Missouri Basin Program)
Wyoming Permit No. 5998 R for 800,000 a-f Date 8-30-1951
Current capacity: 789,402 a-f
Guernsey Reservoir (North Platte Project)
Wyoming Permit No. 3905 R for 71,040 a-f Date 4-20-1923
Current capacity: 45,612 a-f
Lake Alice (North Platte Project)
Current capacity: 11,015 a-f
Little Lake Alice (North Platte Project)
Lake Winters Creek (North Platte Project)
Current capacity: 2,964 a-f
Lake Minatare (North Platte Project)
Current capacity: 60,776 a-f
REFERENCE DRAWINGS
NORTH PLATTE RIVER AREA IRRIGATION.........20-703-5198
MISSOURI RIVER BASIN
NORTH PLATTE RIVER BASIN
LEGEND
IRRIGATED LANDS
SCALE OF MILES
5-23-88 703 D.W. ADDED SPEC. MASTER'S NUMBERS & PROPOSED DEER CREEK RES. & CORN CREEK PROJECT
ALWAYS THINK SAFETY
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
NORTH PLATTE RIVER BASIN
DESIGNED
FIELD APPROVAL
DRAWN C.P.
TECHNICAL APPROVAL
CHECKED
APPROVED
CASPER, WYOMING
MARCH 31 1987
20-703-5199