

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Sep 2008

HYDROLOGY OPERATIONS

Seminole Reservoir Operations		Initial Content 560.7 Kaf					Operating Limits: Max 1017.3 Kaf, 6357.00 Ft. Min 31.7 Kaf, 6239.02 Ft.						
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Total Inflow	kaf	19.2	24.0	25.4	23.9	22.0	22.8	51.0	113.4	239.5	315.4	93.1	34.2
Total Inflow	cfs	323.	390.	427.	389.	358.	411.	829.	1906.	3895.	5300.	1514.	556.
Turbine Release	kaf	54.8	32.5	31.4	32.5	32.5	29.3	51.2	122.7	126.8	122.7	126.8	126.8
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	54.8	32.5	31.4	32.5	32.5	29.3	51.2	122.7	126.8	122.7	126.8	126.8
Total Release	cfs	921.	529.	528.	529.	529.	528.	833.	2062.	2062.	2062.	2062.	2062.
Evaporation	kaf	4.3	3.4	1.8	1.0	1.0	1.0	1.9	3.6	3.8	7.3	8.8	7.0
End-month content	kaf	521.1*	509.5	502.0	492.8	481.8	475.1#	477.5*	465.1	569.5	751.4	709.0	610.0*
End-month elevation	ft	6325.6	6324.6	6324.0	6323.2	6322.2	6321.6	6321.8	6320.7	6329.6	6342.3	6339.6	6332.6
Kortes Reservoir Operations		Initial Content 4.7 Kaf					Operating Limits: Max 4.8 Kaf, 6142.73 Ft. Min 1.7 Kaf, 6092.73 Ft.						
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Total Inflow	kaf	54.8	32.5	31.4	32.5	32.5	29.3	51.2	122.7	126.8	122.7	126.8	126.8
Total Inflow	cfs	921.	529.	528.	529.	529.	528.	833.	2062.	2062.	2062.	2062.	2062.
Turbine Release	kaf	54.7	32.5	31.4	32.5	32.5	29.3	51.2	122.7	126.8	122.7	126.8	126.8
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	54.7	32.5	31.4	32.5	32.5	29.3	51.2	122.7	126.8	122.7	126.8	126.8
Total Release	cfs	919.	529.	528.	529.	529.	528.	833.	2062.	2062.	2062.	2062.	2062.
Pathfinder Reservoir Operations		Initial Content 346.6 Kaf					Operating Limits: Max 1016.5 Kaf, 5850.10 Ft. Min 31.4 Kaf, 5746.00 Ft.						
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Sweetwater Inflow	kaf	1.2	3.4	3.6	3.3	3.5	3.9	4.8	14.0	19.0	15.9	4.9	2.3
Kortes-Path Gain	kaf	3.8	4.1	2.3	2.4	1.6	1.3	6.3	7.7	7.3	4.6	8.7	6.3
Inflow from Kortes	kaf	54.7	32.5	31.4	32.5	32.5	29.3	51.2	122.7	126.8	122.7	126.8	126.8
Total Inflow	kaf	59.7	40.0	37.3	38.2	37.6	34.5	62.3	144.4	153.1	143.2	140.4	135.4
Total Inflow	cfs	1003.	651.	627.	621.	612.	621.	1013.	2427.	2490.	2407.	2283.	2202.
Turbine Release	kaf	48.8	3.3	25.6	26.3	26.3	23.8	35.8	133.1	123.5	140.2	149.7	141.5
Jetflow Release	kaf	4.5	4.6	4.5	4.6	4.6	4.2	4.6	4.5	4.6	4.5	4.6	4.6
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Release	kaf	53.3	7.9	30.1	30.9	30.9	28.0	40.4	137.6	128.1	144.7	154.3	146.1
Total Release	cfs	896.	128.	506.	503.	503.	504.	657.	2312.	2083.	2432.	2509.	2376.
Evaporation	kaf	4.1	2.7	1.5	0.8	0.8	0.9	1.8	3.5	4.4	6.6	7.1	6.1
End-month content	kaf	348.9	378.3	384.0	390.5	396.4	402.0	422.1	425.4	446.0	437.9	416.9	400.1
End-month elevation	ft	5806.0	5809.1	5809.7	5810.4	5810.9	5811.5	5813.4	5813.7	5815.6	5814.8	5812.9	5811.3
Alcova Reservoir Operations		Initial Content 180.7 Kaf					Operating Limits: Max 184.4 Kaf, 5500.00 Ft. Min 145.3 Kaf, 5483.12 Ft.						
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Total Inflow	kaf	53.3	7.9	30.1	30.9	30.9	28.0	40.4	137.6	128.1	144.7	154.3	146.1
Total Inflow	cfs	896.	128.	506.	503.	503.	504.	657.	2312.	2083.	2432.	2509.	2376.
Turbine Release	kaf	46.5	30.7	29.8	30.7	30.7	27.8	40.0	113.3	117.1	131.3	135.7	135.7
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
Casper Canal Release	kaf	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	12.0	17.0	9.0
Total Release	kaf	53.5	30.7	29.8	30.7	30.7	27.8	40.0	113.3	127.1	143.3	152.7	144.7
Total Release	cfs	899.	499.	501.	499.	499.	501.	651.	1904.	2067.	2408.	2483.	2353.
Evaporation	kaf	1.1	0.7	0.3	0.2	0.2	0.2	0.4	0.8	1.0	1.4	1.6	1.4
End-month content	kaf	179.4*	155.9*	155.9*	155.9*	155.9*	155.9*	155.9*	179.4*	179.4*	179.4*	179.4*	179.4*
End-month elevation	ft	5498.0	5487.9	5487.9	5487.9	5487.9	5487.9	5487.9	5498.0	5498.0	5498.0	5498.0	5498.0

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Gray Reef Reservoir Operations		Initial Content						1.8 Kaf			Operating Limits: Max			1.1 Kaf, 5327.42 Ft.		
								Min			0.0 Kaf, 5306.00 Ft.					
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug			
Total Inflow	kaf	46.5	30.7	29.8	30.7	30.7	27.8	40.0	113.3	117.1	131.3	135.7	135.7			
Total Inflow	cfs	781.	499.	501.	499.	499.	501.	651.	1904.	1904.	2207.	2207.	2207.			
Total Release	kaf	47.1	30.7	29.8	30.7	30.7	27.8	40.0	113.3	117.1	131.2	135.6	135.6			
Total Release	cfs	792.	499.	501.	499.	499.	501.	651.	1904.	1904.	2205.	2205.	2205.			
Glendo Reservoir Operations		Initial Content						118.5 Kaf			Operating Limits: Max			789.4 Kaf, 4653.00 Ft.		
								Min			63.2 Kaf, 4570.02 Ft.					
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug			
Alcova-Glendo Gain	kaf	5.0	6.0	6.0	8.2	8.4	16.3	18.4	45.8	56.6	6.5	-2.4	-2.7			
Infl from Gray Reef	kaf	47.1	30.7	29.8	30.7	30.7	27.8	40.0	113.3	117.1	131.2	135.6	135.6			
Total Inflow	kaf	52.1	36.7	35.8	38.9	39.1	44.1	58.4	159.1	173.7	137.7	133.2	132.9			
Total Inflow	cfs	876.	597.	602.	633.	636.	794.	950.	2674.	2825.	2314.	2166.	2161.			
Turbine Release	kaf	46.7	0.0	0.0	0.0	0.0	0.0	1.4	20.9	161.1	168.4	226.5	218.9			
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	0.0	77.2	91.7			
Total Release	kaf	48.2	1.5	1.5	1.5	1.5	1.5	2.9	22.4	162.6	169.9	305.2	312.1			
Total Release	cfs	810.	24.	25.	24.	24.	27.	47.	376.	2644.	2855.	4964.	5076.			
Evaporation	kaf	2.0	1.1	0.7	0.7	0.7	0.8	1.6	3.1	5.1	6.7	6.3	3.7			
End-month content	kaf	120.0*	154.1	187.7	224.4	261.3	303.1#	357.0*	494.6	500.0*	464.3	283.7	100.0*			
End-month elevation	ft	4585.0	4591.9	4597.7	4603.3	4608.4	4613.7	4619.8	4633.1	4633.6	4630.5	4611.3	4580.3			
Guernsey Reservoir Operations		Initial Content						28.0 Kaf			Operating Limits: Max			45.6 Kaf, 4419.99 Ft.		
								Min			0.0 Kaf, 4370.00 Ft.					
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug			
Glendo-Guerns Gain	kaf	5.0	3.5	2.1	1.8	1.3	1.3	0.7	4.6	8.1	3.1	1.9	1.8			
Inflow from Glendo	kaf	48.2	1.5	1.5	1.5	1.5	1.5	2.9	22.4	162.6	169.9	305.2	312.1			
Total Inflow	kaf	53.2	5.0	3.6	3.3	2.8	2.8	3.6	27.0	170.7	173.0	307.1	313.9			
Total Inflow	cfs	894.	81.	60.	54.	46.	50.	59.	454.	2776.	2907.	4995.	5105.			
Turbine Release	kaf	55.4	0.0	0.0	0.0	0.0	0.0	0.0	20.1	53.6	51.8	53.6	53.6			
Seepage	kaf	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.4	1.2	3.0	3.1	2.5			
Spillway Release	kaf	20.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	115.2	117.2	249.3	256.9			
Total Release	kaf	76.5	0.3	0.2	0.3	0.4	0.3	0.3	20.5	170.0	172.0	306.0	313.0			
Total Release	cfs	1286.	5.	3.	5.	7.	5.	5.	345.	2765.	2891.	4977.	5090.			
Evaporation	kaf	0.7	0.2	0.2	0.2	0.2	0.2	0.3	0.5	0.7	1.0	1.1	0.9			
End-month content	kaf	4.0*	8.5#	11.7	14.5	16.7	19.0#	22.0*	28.0*	28.0*	28.0*	28.0*	28.0*			
End-month elevation	ft	4392.8	4398.8	4401.8	4403.9	4405.5	4406.9	4408.7	4411.9	4411.9	4411.9	4411.9	4411.9			

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City of Cheyenne

Initial Ownership 2.7 Kaf,

		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Inflow	kaf	0.3	0.3	0.3	0.4	0.5	0.8	4.5	0.5	0.5	1.0	0.5	0.6
Evaporation	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0
Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	4.5	0.4	0.0
Ownership	kaf	3.0	3.3	3.6	4.0	4.5	5.3	9.8	10.2	5.6	2.0	2.1	2.7

Pacificorp

Initial Ownership 1.9 Kaf,

		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Inflow	kaf	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.2	0.2
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	1.0	0.0	0.0	0.0
Ownership	kaf	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.4	1.6	1.8	2.0

Other

Initial Ownership 0.6 Kaf,

		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Inflow	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	7.0	0.0	0.0
Evaporation	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1
Release	kaf	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.5	1.0
Ownership	kaf	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.1	4.0	7.0	4.4	3.3

IRRIGATION DELIVERY

		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
Kendrick (Casper Canal)													
Requested	kaf	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	12.0	17.0	9.0
Delivered	kaf	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	12.0	17.0	9.0
Kendrick (River)													
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													
North Platte Req	kaf	71.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145.0	170.0	300.0	305.0
Glendo Req	kaf	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0	8.0
Inland Lakes Req	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.5	25.0	0.0	0.0	0.0
Total Requirement	kaf	76.5	0.0	0.0	0.0	0.0	0.0	0.0	20.5	170.0	172.0	306.0	313.0
Seepage	kaf	0.3	0.3	0.2	0.3	0.4	0.3	0.3	0.4	1.2	3.0	3.1	2.5
Actual Release	kaf	76.5	0.3	0.2	0.3	0.4	0.3	0.3	20.5	170.0	172.0	306.0	313.0

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POWER GENERATION

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

Seminole Power Plant													
Turbine Release	kaf	54.8	32.5	31.4	32.5	32.5	29.3	51.2	122.7	126.8	122.7	126.8	126.8
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	29.529	30.034	28.902	29.711	29.516	26.521	29.319	28.276	30.081	31.682	33.473	32.730
Actual generation	gwh	8.700	5.103	4.906	5.050	5.017	4.497	7.847	18.744	19.908	20.460	21.556	21.131
Percent max generation		29.	17.	17.	17.	17.	17.	27.	66.	66.	65.	64.	65.
Average kwh/af		159.	157.	156.	155.	154.	153.	153.	153.	157.	167.	170.	167.

Kortes Power Plant													
Turbine Release	kaf	54.7	32.5	31.4	32.5	32.5	29.3	51.2	122.7	126.8	122.7	126.8	126.8
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	27.434	27.606	26.712	27.606	27.606	24.940	27.606	24.837	27.606	26.712	27.606	27.606
Actual generation	gwh	9.408	5.590	5.401	5.590	5.590	5.040	8.806	21.104	21.810	21.104	21.810	21.810
Percent max generation		34.	20.	20.	20.	20.	20.	32.	85.	79.	79.	79.	79.
Average kwh/af		172.	172.	172.	172.	172.	172.	172.	172.	172.	172.	172.	172.

Fremont Canyon													
Turbine Release	kaf	48.8	3.3	25.6	26.3	26.3	23.8	35.8	133.1	123.5	140.2	149.7	141.5
Bypass	kaf	4.5	4.6	4.5	4.6	4.6	4.2	4.6	4.5	4.6	4.5	4.6	4.6
Maximum generation	gwh	40.700	42.290	41.144	42.610	42.694	38.623	42.945	41.702	43.265	41.940	43.153	42.897
Actual generation	gwh	12.140	0.825	6.438	6.627	6.640	6.020	9.092	33.927	31.598	35.941	38.202	35.896
Percent max generation		30.	2.	16.	16.	16.	16.	21.	81.	73.	86.	89.	84.
Average kwh/af		249.	250.	251.	252.	252.	253.	254.	255.	256.	256.	255.	254.

Alcova Power Plant													
Turbine Release	kaf	46.5	30.7	29.8	30.7	30.7	27.8	40.0	113.3	117.1	131.3	135.7	135.7
Bypass	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Maximum generation	gwh	26.656	27.158	26.588	27.472	27.472	24.820	27.472	26.275	27.552	26.656	27.552	27.552
Actual generation	gwh	6.510	4.237	4.053	4.175	4.175	3.781	5.440	15.635	16.394	18.382	18.998	18.998
Percent max generation		24.	16.	15.	15.	15.	15.	20.	60.	60.	69.	69.	69.
Average kwh/af		140.	138.	136.	136.	136.	136.	136.	138.	140.	140.	140.	140.

Glendo Power Plant													
Turbine Release	kaf	46.7	0.0	0.0	0.0	0.0	0.0	1.4	20.9	161.1	168.4	226.5	218.9
Bypass	kaf	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	78.7	93.2
Maximum generation	gwh	13.249	14.704	16.108	18.734	20.076	19.208	22.737	24.623	27.558	26.228	23.958	17.887
Actual generation	gwh	3.075	0.000	0.000	0.000	0.000	0.000	0.143	2.294	18.576	19.220	23.958	17.887
Percent max generation		23.	0.	0.	0.	0.	0.	1.	9.	67.	73.	100.	100.
Average kwh/af		66.	0.	0.	0.	0.	0.	102.	110.	115.	114.	106.	82.

Guernsey Power Plant													
Turbine Release	kaf	55.4	0.0	0.0	0.0	0.0	0.0	0.0	20.1	53.6	51.8	53.6	53.6
Bypass	kaf	21.1	0.3	0.2	0.3	0.4	0.3	0.3	0.4	116.4	120.2	252.4	259.4
Maximum generation	gwh	3.435	3.109	3.231	3.451	3.536	3.263	3.680	3.609	3.795	3.667	3.795	3.795
Actual generation	gwh	3.435	0.000	0.000	0.000	0.000	0.000	0.000	1.387	3.795	3.667	3.795	3.795
Percent max generation		100.	0.	0.	0.	0.	0.	0.	38.	100.	100.	100.	100.
Average kwh/af		62.	0.	0.	0.	0.	0.	0.	69.	71.	71.	71.	71.