

Based on Most Probable April-July Inflow Estimates: Seminole 748.7KAF / Sweetwater 52.3KAF / Alcova-Glendo 109.8KAF

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Nov 2009

Gray Reef Reservoir Operations		Initial Content		1.4 Kaf		Operating Limits:		Max	1.1 Kaf, 5327.42 Ft.				
		Nov	Dec	Jan	Feb	Mar	Apr	Min	0.0 Kaf, 5306.00 Ft.				
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		Jul	Aug	Sep	Oct								
Total Inflow	kaf	29.5	30.7	30.7	27.8	40.5	55.8	131.2	127.5	131.7	131.7	50.2	30.7
Total Inflow	cfs	496.	499.	499.	501.	659.	938.	2134.	2143.	2142.	2142.	844.	499.
Total Release	kaf	29.8	30.7	30.7	27.8	40.5	55.8	131.2	127.4	131.6	131.6	50.1	30.7
Total Release	cfs	501.	499.	499.	501.	659.	938.	2134.	2141.	2140.	2140.	842.	499.
Glendo Reservoir Operations		Initial Content		167.2 Kaf		Operating Limits:		Max	789.4 Kaf, 4653.00 Ft.				
		Nov	Dec	Jan	Feb	Mar	Apr	Min	63.2 Kaf, 4570.02 Ft.				
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		Jul	Aug	Sep	Oct								
Alcova-Glendo Gain	kaf	11.5	7.7	8.2	15.6	17.5	43.5	58.2	9.7	-1.6	-2.3	8.4	13.2
Infl from Gray Reef	kaf	29.8	30.7	30.7	27.8	40.5	55.8	131.2	127.4	131.6	131.6	50.1	30.7
Total Inflow	kaf	41.3	38.4	38.9	43.4	58.0	99.3	189.4	137.1	130.0	129.3	58.5	43.9
Total Inflow	cfs	694.	625.	633.	781.	943.	1669.	3080.	2304.	2114.	2103.	983.	714.
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	19.7	148.7	148.3	226.5	221.0	94.1	0.0
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	0.0	0.0	77.0	56.7	0.0	0.0
Total Release	kaf	1.5	1.5	1.5	1.5	1.5	21.2	150.2	149.8	305.0	279.2	95.6	1.5
Total Release	cfs	25.	24.	24.	27.	24.	356.	2443.	2517.	4960.	4541.	1607.	24.
Evaporation	kaf	0.8	0.7	0.7	0.8	1.7	3.1	4.8	6.6	6.3	3.9	1.9	0.9
End-month content	kaf	206.2	242.4	279.1	320.2#	375.0*	450.0*	485.0*	464.8	283.6	130.0*	90.0*	131.5
End-month elevation	ft	4600.6	4605.8	4610.7	4615.7	4621.8	4629.2	4632.3	4630.5	4611.3	4587.1	4577.8	4587.4
Guernsey Reservoir Operations		Initial Content		8.4 Kaf		Operating Limits:		Max	45.6 Kaf, 4419.99 Ft.				
		Nov	Dec	Jan	Feb	Mar	Apr	Min	0.0 Kaf, 4370.00 Ft.				
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		Jul	Aug	Sep	Oct								
Glendo-Guerns Gain	kaf	2.1	1.9	1.4	1.0	0.6	5.0	7.9	3.2	2.1	1.7	5.1	3.4
Inflow from Glendo	kaf	1.5	1.5	1.5	1.5	1.5	21.2	150.2	149.8	305.0	279.2	95.6	1.5
Total Inflow	kaf	3.6	3.4	2.9	2.5	2.1	26.2	158.1	153.0	307.1	280.9	100.7	4.9
Total Inflow	cfs	60.	55.	47.	45.	34.	440.	2571.	2571.	4995.	4568.	1692.	80.
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	20.6	53.8	51.8	53.6	53.6	55.4	0.0
Seepage	kaf	0.2	0.3	0.4	0.3	0.3	0.4	1.2	3.0	3.1	2.5	0.3	0.3
Spillway Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	99.4	97.2	249.3	223.9	68.3	0.0
Total Release	kaf	0.2	0.3	0.4	0.3	0.3	21.0	154.4	152.0	306.0	280.0	124.0	0.3
Total Release	cfs	3.	5.	7.	5.	5.	353.	2511.	2554.	4977.	4554.	2084.	5.
Evaporation	kaf	0.2	0.2	0.2	0.2	0.3	0.5	0.7	1.0	1.1	0.9	0.7	0.2
End-month content	kaf	11.6	14.5	16.8	18.8#	20.3#	25.0*	28.0*	28.0*	28.0*	28.0*	4.0*	8.4#
End-month elevation	ft	4401.7	4403.9	4405.5	4406.8	4407.7	4410.4	4411.9	4411.9	4411.9	4411.9	4392.8	4398.7

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NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Nov 2009

City of Cheyenne

Initial Ownership 4.0 Kaf,

		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Inflow	kaf	0.3	0.4	0.5	0.8	1.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3
Evaporation	kaf	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1
Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.5	0.4	0.0	0.0	0.0
Ownership	kaf	4.3	4.7	5.2	6.0	7.4	7.8	5.2	5.2	5.2	5.5	5.7	5.9

Pacificorp

Initial Ownership 2.0 Kaf,

		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Inflow	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.2	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	2.0	0.0	0.0	0.0	0.0	0.0
Ownership	kaf	2.0	2.0	2.0	2.0	2.0	2.0	0.6	1.2	1.8	2.0	2.0	2.0

Other

Initial Ownership 2.7 Kaf,

		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Inflow	kaf	0.0	0.0	0.0	0.0	0.0	0.0	2.0	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	0.1	0.0	0.0	0.0	0.0
Release	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.5	0.0	1.0	0.0
Ownership	kaf	2.7	2.7	2.7	2.7	2.7	2.7	4.7	3.1	2.6	2.6	1.6	1.6

IRRIGATION DELIVERY

		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Kendrick (Casper Canal)													
Requested	kaf	0.0	0.0	0.0	0.0	0.0	0.0	10.0	12.0	17.0	14.0	7.0	0.0
Delivered	kaf	0.0	0.0	0.0	0.0	0.0	0.0	10.0	12.0	17.0	14.0	7.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	130.0	150.0	300.0	275.0	120.0	0.0
Glendo Req	kaf	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	6.0	5.0	4.0	0.0
Inland Lakes Req	kaf	0.0	0.0	0.0	0.0	0.0	21.0	24.4	0.0	0.0	0.0	0.0	0.0
Total Requirement	kaf	0.0	0.0	0.0	0.0	0.0	21.0	154.4	152.0	306.0	280.0	124.0	0.0
Seepage	kaf	0.2	0.3	0.4	0.3	0.3	0.4	1.2	3.0	3.1	2.5	0.3	0.3
Actual Release	kaf	0.2	0.3	0.4	0.3	0.3	21.0	154.4	152.0	306.0	280.0	124.0	0.3

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NORTH PLATTE RIVER OPERATING PLAN
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POWER GENERATION

Seminole Power Plant		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Turbine Release	kaf	31.5	32.5	32.5	29.3	32.5	80.0	154.0	149.0	147.2	92.6	59.3	32.5
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	32.138	33.065	22.011	19.768	21.963	32.138	33.480	32.085	32.857	33.268	32.370	33.474
Actual generation	gwh	5.292	5.441	5.428	4.876	5.424	13.440	26.212	26.224	26.143	16.205	10.200	5.551
Percent max generation		16.	16.	25.	25.	25.	42.	78.	82.	80.	49.	32.	17.
Average kwh/af		168.	167.	167.	166.	167.	168.	170.	176.	178.	175.	172.	171.

Kortes Power Plant		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Turbine Release	kaf	31.4	32.5	32.5	29.3	32.5	80.0	154.0	149.0	147.2	92.6	59.3	32.5
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	18.370	18.490	27.606	24.940	27.606	26.712	27.606	26.712	27.606	27.606	26.712	18.490
Actual generation	gwh	5.401	5.590	5.590	5.040	5.590	13.760	26.488	25.628	25.318	15.927	10.200	5.590
Percent max generation		29.	30.	20.	20.	20.	52.	96.	96.	92.	58.	38.	30.
Average kwh/af		172.	172.	172.	172.	172.	172.	172.	172.	172.	172.	172.	172.

Fremont Canyon		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Turbine Release	kaf	21.1	26.3	26.3	23.8	36.3	75.6	137.6	136.4	145.7	142.5	53.8	3.3
Bypass	kaf	4.5	4.6	4.6	4.2	4.6	4.5	4.6	4.5	4.6	4.6	4.5	4.6
Maximum generation	gwh	22.500	23.270	46.604	42.114	46.648	45.189	46.918	45.611	47.182	46.970	45.198	23.400
Actual generation	gwh	5.804	7.243	7.248	6.564	10.014	20.882	38.178	38.028	40.653	39.581	14.863	0.914
Percent max generation		26.	31.	16.	16.	21.	46.	81.	83.	86.	84.	33.	4.
Average kwh/af		275.	275.	276.	276.	276.	276.	277.	279.	279.	278.	276.	277.

Alcova Power Plant		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Turbine Release	kaf	29.5	30.7	30.7	27.8	40.5	55.8	131.2	127.5	131.7	131.7	50.2	30.7
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	26.344	27.472	13.736	12.403	13.736	26.275	27.552	26.656	27.552	27.552	26.656	27.158
Actual generation	gwh	4.023	4.175	4.175	3.781	5.508	7.700	18.368	17.850	18.438	18.438	7.028	4.237
Percent max generation		15.	15.	30.	30.	40.	29.	67.	67.	67.	67.	26.	16.
Average kwh/af		136.	136.	136.	136.	136.	138.	140.	140.	140.	140.	140.	138.

Glendo Power Plant		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	19.7	148.7	148.3	226.5	221.0	94.1	0.0
Bypass	kaf	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	78.5	58.2	1.5	1.5
Maximum generation	gwh	8.502	19.511	10.310	0.000	17.417	24.251	26.669	26.020	23.961	18.779	12.720	13.188
Actual generation	gwh	0.000	0.000	0.000	0.000	0.000	2.142	16.803	16.843	23.961	18.779	6.006	0.000
Percent max generation		0.	0.	0.	0.	0.	9.	63.	65.	100.	100.	47.	0.
Average kwh/af		0.	0.	0.	0.	0.	109.	113.	114.	106.	85.	64.	0.

Guernsey Power Plant		Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct
Turbine Release	kaf	0.0	0.0	0.0	0.0	0.0	20.6	53.8	51.8	53.6	53.6	55.4	0.0
Bypass	kaf	0.2	0.3	0.4	0.3	0.3	0.4	100.6	100.2	252.4	226.4	68.6	0.3
Maximum generation	gwh	3.226	1.724	3.539	1.627	3.664	3.582	3.761	3.667	3.795	3.795	3.435	3.102
Actual generation	gwh	0.000	0.000	0.000	0.000	0.000	1.392	3.761	3.667	3.795	3.795	3.435	0.000
Percent max generation		0.	0.	0.	0.	0.	39.	100.	100.	100.	100.	100.	0.
Average kwh/af		0.	0.	0.	0.	0.	68.	70.	71.	71.	71.	62.	0.