

Based on Expected February 2018 April - July Inflows: Seminole 575 kaf, Sweetwater 40 kaf, Glendo 120 kaf

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Feb 2018

HYDROLOGY OPERATIONS

Seminole Reservoir Operations		Initial Content 808.9 Kaf					Operating Limits: Max 1017.3 Kaf, 6357.00 Ft. Min 31.7 Kaf, 6239.02 Ft.						
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Total Inflow	kaf	24.1	54.6	84.2	181.2	238.8	70.7	34.8	19.1	29.8	28.1	24.4	22.3
Total Inflow	cfs	434.	888.	1415.	2947.	4013.	1150.	566.	321.	485.	472.	397.	363.
Turbine Release	kaf	29.5	49.2	155.3	160.5	155.3	92.2	67.7	42.4	32.6	31.5	32.6	32.6
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	29.5	49.2	155.3	160.5	155.3	92.2	67.7	42.4	32.6	31.5	32.6	32.6
Total Release	cfs	531.	800.	2610.	2610.	2610.	1499.	1101.	713.	530.	529.	530.	530.
Evaporation	kaf	1.4	2.8	5.3	5.0	8.4	9.5	7.9	5.6	4.3	2.3	1.3	1.2
End-month content	kaf	802.7	806.1	730.0*	742.3*	818.5*	788.1*	748.0*	719.8*	713.4	710.2	701.4	690.4
End-month elevation	ft	6345.4	6345.6	6340.9	6341.7	6346.4	6344.6	6342.1	6340.3	6339.9	6339.6	6339.1	6338.3
Kortes Reservoir Operations		Initial Content 4.7 Kaf					Operating Limits: Max 4.8 Kaf, 6142.73 Ft. Min 1.7 Kaf, 6092.73 Ft.						
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Total Inflow	kaf	29.5	49.2	155.3	160.5	155.3	92.2	67.7	42.4	32.6	31.5	32.6	32.6
Total Inflow	cfs	531.	800.	2610.	2610.	2610.	1499.	1101.	713.	530.	529.	530.	530.
Turbine Release	kaf	29.4	49.2	155.3	160.5	155.3	92.2	67.7	42.4	32.6	31.5	32.6	32.6
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	29.4	49.2	155.3	160.5	155.3	92.2	67.7	42.4	32.6	31.5	32.6	32.6
Total Release	cfs	529.	800.	2610.	2610.	2610.	1499.	1101.	713.	530.	529.	530.	530.
Pathfinder Reservoir Operations		Initial Content 830.7 Kaf					Operating Limits: Max 1095.0 Kaf, 5853.56 Ft. Min 31.4 Kaf, 5746.00 Ft.						
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Sweetwater Inflow	kaf	3.8	4.9	9.7	14.1	12.4	3.8	2.2	1.3	3.2	3.6	3.5	3.7
Kortes-Path Gain	kaf	1.9	5.0	6.8	8.3	3.2	4.1	6.5	3.6	1.0	-0.1	0.0	1.0
Inflow from Kortes	kaf	29.4	49.2	155.3	160.5	155.3	92.2	67.7	42.4	32.6	31.5	32.6	32.6
Total Inflow	kaf	35.1	59.1	171.8	182.9	170.9	100.1	76.4	47.3	36.8	35.0	36.1	37.3
Total Inflow	cfs	632.	961.	2887.	2975.	2872.	1628.	1243.	795.	598.	588.	587.	607.
Turbine Release	kaf	22.7	45.0	67.4	103.5	163.6	161.6	160.5	118.0	3.3	25.6	26.3	26.3
Jetflow Release	kaf	4.2	4.6	4.5	4.6	14.9	4.6	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	26.9	49.6	71.9	108.1	178.5	166.2	165.1	122.5	7.9	30.1	30.9	30.9
Total Release	cfs	484.	807.	1208.	1758.	3000.	2703.	2685.	2059.	128.	506.	503.	503.
Evaporation	kaf	1.6	3.3	6.6	8.5	12.7	13.7	11.4	8.0	4.9	2.7	1.5	1.5
End-month content	kaf	837.3	843.5	936.8	1003.1	982.8	903.0	802.9	719.7	743.7	745.9	749.6	754.5
End-month elevation	ft	5841.4	5841.8	5846.4	5849.5	5848.6	5844.7	5839.6	5835.0	5836.4	5836.5	5836.7	5837.0
Alcova Reservoir Operations		Initial Content 156.8 Kaf					Operating Limits: Max 184.4 Kaf, 5500.00 Ft. Min 145.3 Kaf, 5483.12 Ft.						
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Total Inflow	kaf	26.9	49.6	71.9	108.1	178.5	166.2	165.1	122.5	7.9	30.1	30.9	30.9
Total Inflow	cfs	484.	807.	1208.	1758.	3000.	2703.	2685.	2059.	128.	506.	503.	503.
Turbine Release	kaf	27.6	49.2	47.6	97.1	163.1	147.6	147.7	111.4	30.7	29.8	30.7	30.7
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	0.0	0.0	0.0	10.0	14.0	17.0	16.0	10.0	0.0	0.0	0.0	0.0
Total Release	kaf	27.6	49.2	47.6	107.1	177.1	164.6	163.7	121.4	30.7	29.8	30.7	30.7
Total Release	cfs	497.	800.	800.	1742.	2976.	2677.	2662.	2040.	499.	501.	499.	499.
Evaporation	kaf	0.2	0.4	0.8	1.0	1.4	1.6	1.4	1.1	0.7	0.3	0.2	0.2
End-month content	kaf	155.9*	155.9*	179.4*	179.4*	179.4*	179.4*	179.4*	179.4*	155.9*	155.9*	155.9*	155.9*
End-month elevation	ft	5487.9	5487.9	5498.0	5498.0	5498.0	5498.0	5498.0	5498.0	5487.9	5487.9	5487.9	5487.9

Based on Expected February 2018 April - July Inflows: Seminole 575 kaf, Sweetwater 40 kaf, Glendo 120 kaf

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Feb 2018

Gray Reef Reservoir Operations		Initial Content						Operating Limits:			Max		
		1.3 Kaf						Min			1.1 Kaf, 5327.42 Ft.		
								0.0 Kaf, 5306.00 Ft.					
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Total Inflow	kaf	27.6	49.2	47.6	97.1	163.1	147.6	147.7	111.4	30.7	29.8	30.7	30.7
Total Inflow	cfs	497.	800.	800.	1579.	2741.	2400.	2402.	1872.	499.	501.	499.	499.
Total Release	kaf	27.8	49.2	47.6	97.1	163.0	147.5	147.6	111.3	30.7	29.8	30.7	30.7
Total Release	cfs	501.	800.	800.	1579.	2739.	2399.	2400.	1870.	499.	501.	499.	499.

Glendo Reservoir Operations		Initial Content						Operating Limits:			Max		
		264.1 Kaf						Min			789.4 Kaf, 4654.45 Ft.		
								63.2 Kaf, 4573.94 Ft.					
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Alcova-Glendo Gain	kaf	15.6	17.9	40.6	67.2	13.5	-1.3	-2.9	7.2	10.5	10.3	6.9	9.0
Infl from Gray Reef	kaf	27.8	49.2	47.6	97.1	163.0	147.5	147.6	111.3	30.7	29.8	30.7	30.7
Total Inflow	kaf	43.4	67.1	88.2	164.3	176.5	146.2	144.7	118.5	41.2	40.1	37.6	39.7
Total Inflow	cfs	781.	1091.	1482.	2672.	2966.	2378.	2353.	1991.	670.	674.	612.	646.
Turbine Release	kaf	0.0	0.0	8.6	158.1	168.6	224.5	218.5	126.7	0.0	0.0	0.0	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	93.6	68.4	0.0	0.0	0.0	0.0	0.0
Total Release	kaf	1.5	1.5	10.1	159.6	170.1	319.6	288.4	128.2	1.5	1.5	1.5	1.5
Total Release	cfs	27.	24.	170.	2596.	2859.	5198.	4690.	2154.	24.	25.	24.	24.
Evaporation	kaf	0.8	1.7	3.2	4.7	6.4	6.2	3.8	1.9	1.0	0.7	0.7	0.7
End-month content	kaf	305.2	369.1*	444.0*	444.0*	444.0*	264.0*	114.6*	103.0*	141.7	179.6	215.0	252.5
End-month elevation	ft	4616.6	4623.6	4630.8	4630.8	4630.8	4611.6	4587.5	4584.8	4593.1	4599.7	4605.0	4610.1

Guernsey Reservoir Operations		Initial Content						Operating Limits:			Max		
		19.1 Kaf						Min			45.6 Kaf, 4419.99 Ft.		
								0.0 Kaf, 4370.00 Ft.					
		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Glendo-Guerns Gain	kaf	1.1	0.6	5.7	8.5	2.7	2.3	0.3	5.2	3.4	2.1	1.8	1.5
Inflow from Glendo	kaf	1.5	1.5	10.1	159.6	170.1	319.6	288.4	128.2	1.5	1.5	1.5	1.5
Total Inflow	kaf	2.6	2.1	15.8	168.1	172.8	321.9	288.7	133.4	4.9	3.6	3.3	3.0
Total Inflow	cfs	47.	34.	266.	2734.	2904.	5235.	4695.	2242.	80.	60.	54.	49.
Turbine Release	kaf	0.0	0.0	9.6	53.6	51.8	53.6	53.6	55.8	0.0	0.0	0.0	0.0
Seepage	kaf	0.3	0.3	0.4	1.2	3.0	3.1	2.5	0.3	0.3	0.2	0.3	0.4
Spillway Release	kaf	0.0	0.0	0.0	112.6	117.0	264.1	231.7	102.8	0.0	0.0	0.0	0.0
Total Release	kaf	0.3	0.3	10.0	167.4	171.8	320.8	287.8	158.9	0.3	0.2	0.3	0.4
Total Release	cfs	5.	5.	168.	2722.	2887.	5217.	4681.	2670.	5.	3.	5.	7.
Evaporation	kaf	0.2	0.3	0.5	0.7	1.0	1.1	0.9	0.5	0.1	0.2	0.2	0.2
End-month content	kaf	21.2	22.7	28.0*	28.0*	28.0*	28.0*	28.0*	2.0*	6.5	9.7	12.5	14.9
End-month elevation	ft	4408.3	4409.1	4411.9	4411.9	4411.9	4411.9	4411.9	4388.0	4396.6	4400.0	4402.4	4404.2
Physical EOM Cont	kaf	2128.2	2203.2	2324.1	2402.7	2458.6	2168.4	1878.8	1729.8	1767.1	1807.2	1840.3	1874.1

Based on Expected February 2018 April - July Inflows: Seminole 575 kaf, Sweetwater 40 kaf, Glendo 120 kaf

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Feb 2018

City of Cheyenne		Initial Ownership 7.7 Kaf,											
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Inflow	kaf	0.6	0.8	0.3	0.6	2.7	1.1	0.7	0.7	0.7	2.5	0.7	0.5
Evaporation	kaf	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0
Release	kaf	0.0	0.0	0.0	4.0	1.6	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Ownership	kaf	8.3	9.1	9.4	6.0	7.0	7.5	8.1	8.7	9.3	11.7	12.4	12.9
PacifiCorp		Initial Ownership 2.0 Kaf,											
-----		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
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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	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Other		Initial Ownership 7.9 Kaf,											
-----		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
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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	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Release	kaf	0.0	0.0	0.0	0.0	0.0	0.4	1.9	0.0	0.0	0.0	0.0	0.0
Ownership	kaf	7.9	7.9	7.8	7.7	7.6	7.1	5.1	5.1	5.1	5.1	5.1	5.1

IRRIGATION DELIVERY

Kendrick (Casper Canal)		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
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Requested	kaf	0.0	0.0	0.0	10.0	14.0	17.0	16.0	10.0	0.0	0.0	0.0	0.0
Delivered	kaf	0.0	0.0	0.0	10.0	14.0	17.0	16.0	10.0	0.0	0.0	0.0	0.0
Kendrick (River)		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
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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		Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
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North Platte Req	kaf	0.0	0.0	0.0	131.9	169.8	314.8	282.8	154.9	0.0	0.0	0.0	0.0
Glendo Req	kaf	0.0	0.0	0.0	0.0	2.0	6.0	5.0	4.0	0.0	0.0	0.0	0.0
Inland Lakes Req	kaf	0.0	0.0	10.0	35.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Requirement	kaf	0.0	0.0	10.0	167.4	171.8	320.8	287.8	158.9	0.0	0.0	0.0	0.0
Seepage	kaf	0.3	0.3	0.4	1.2	3.0	3.1	2.5	0.3	0.3	0.2	0.3	0.4
Actual Release	kaf	0.3	0.3	10.0	167.4	171.8	320.8	287.8	158.9	0.3	0.2	0.3	0.4
Ownership EOM Cont	kaf	2128.2	2203.2	2324.1	2402.7	2458.6	2168.4	1878.8	1729.8	1767.1	1807.2	1840.3	1874.1

Based on Expected February 2018 April - July Inflows: Seminoe 575 kaf, Sweetwater 40 kaf, Glendo 120 kaf

NORTH PLATTE RIVER OPERATING PLAN
Year Beginning Feb 2018

POWER GENERATION

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Seminoe Power Plant													

Turbine Release	kaf	29.5	49.2	155.3	160.5	155.3	92.2	67.7	42.4	32.6	31.5	32.6	32.6
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	19.001	22.255	32.009	33.476	32.340	33.373	33.454	32.395	33.473	15.848	16.198	20.849
Actual generation	gwh	5.133	8.561	26.712	27.329	26.815	16.043	11.644	7.210	5.542	5.351	5.518	5.486
Percent max generation		27.	38.	83.	82.	83.	48.	35.	22.	17.	34.	34.	26.
Average kwh/af		174.	174.	172.	170.	173.	174.	172.	170.	170.	170.	169.	168.
Kortes Power Plant													

Turbine Release	kaf	29.4	49.2	155.3	160.5	155.3	92.2	67.7	42.4	32.6	31.5	32.6	32.6
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	17.080	23.426	26.712	27.606	26.712	27.606	27.606	26.712	27.606	21.964	18.404	21.672
Actual generation	gwh	5.057	8.462	26.712	27.606	26.712	15.858	11.644	7.293	5.607	5.418	5.607	5.607
Percent max generation		30.	36.	100.	100.	100.	57.	42.	27.	20.	25.	30.	26.
Average kwh/af		172.	172.	172.	172.	172.	172.	172.	172.	172.	172.	172.	172.
Fremont Canyon													

Turbine Release	kaf	22.7	45.0	67.4	103.5	163.6	161.6	160.5	118.0	3.3	25.6	26.3	26.3
Bypass	kaf	4.2	4.6	4.5	4.6	14.9	4.6	4.6	4.5	4.6	4.5	4.6	4.6
Maximum generation	gwh	42.625	47.208	45.707	47.301	45.778	47.281	47.217	45.307	46.563	23.354	23.340	40.720
Actual generation	gwh	6.337	12.563	18.830	28.951	45.778	45.184	44.816	32.678	0.909	7.067	7.264	7.270
Percent max generation		15.	27.	41.	61.	100.	96.	95.	72.	2.	30.	31.	18.
Average kwh/af		279.	279.	279.	280.	280.	280.	279.	277.	275.	276.	276.	276.
Alcova Power Plant													

Turbine Release	kaf	27.6	49.2	47.6	97.1	163.1	147.6	147.7	111.4	30.7	29.8	30.7	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	14.138	13.736	24.523	27.552	26.656	27.552	27.552	26.656	27.158	26.588	27.472	19.951
Actual generation	gwh	3.756	6.691	6.569	13.594	22.834	20.664	20.678	15.596	4.237	4.053	4.175	4.175
Percent max generation		27.	49.	27.	49.	86.	75.	75.	59.	16.	15.	15.	21.
Average kwh/af		136.	136.	138.	140.	140.	140.	140.	140.	138.	136.	136.	136.
Glendo Power Plant													

Turbine Release	kaf	0.0	0.0	8.6	158.1	168.6	224.5	218.5	126.7	0.0	0.0	0.0	0.0
Bypass	kaf	1.5	1.5	1.5	1.5	1.5	95.1	69.9	1.5	1.5	1.5	1.5	1.5
Maximum generation	gwh	13.422	22.931	24.084	25.973	25.139	23.399	17.733	12.655	13.872	15.536	13.513	13.405
Actual generation	gwh	0.000	0.000	0.931	17.578	18.746	23.399	17.733	8.053	0.000	0.000	0.000	0.000
Percent max generation		0.	0.	4.	68.	75.	100.	100.	64.	0.	0.	0.	0.
Average kwh/af		0.	0.	108.	111.	111.	104.	81.	64.	0.	0.	0.	0.
Guernsey Power Plant													

Turbine Release	kaf	0.0	0.0	9.6	53.6	51.8	53.6	53.6	55.8	0.0	0.0	0.0	0.0
Bypass	kaf	0.3	0.3	0.4	113.8	120.0	267.2	234.2	103.1	0.3	0.2	0.3	0.4
Maximum generation	gwh	1.956	3.694	3.613	3.795	3.667	3.795	3.795	3.404	2.511	1.921	3.375	3.469
Actual generation	gwh	0.000	0.000	0.664	3.795	3.667	3.795	3.795	3.404	0.000	0.000	0.000	0.000
Percent max generation		0.	0.	18.	100.	100.	100.	100.	100.	0.	0.	0.	0.
Average kwh/af		0.	0.	69.	71.	71.	71.	71.	61.	0.	0.	0.	0.