

Date of Study: 01Sep2021

01Sep2021 / Basic Condition / 14.7 MAF / Balanced
1.5 kcfs Blw Full Service 2nd Half / Nav End Date: Dec 01
Elevations & Storages are for Date Shown
Avg Discharge & Energy are Monthly Values

	2021					2022	
	31Aug	30Sep	31Oct	30Nov	31Dec	31Jan	28Feb
Fort Peck							
Elev NGVD29	2229.0	2227.8	2227.2	2226.5	2224.4	2222.6	2221.4
Disch kcfs	9.4	7.3	5.0	5.0	9.0	9.5	9.5
Garrison							
Elev NGVD29	1832.4	1831.1	1830.7	1829.8	1828.4	1827.5	1827.1
Disch kcfs	21.4	17.0	13.5	13.5	16.4	17.0	17.0
Oahe							
Elev NGVD29	1600.5	1598.2	1596.6	1595.7	1596.2	1596.4	1596.8
Disch kcfs	32.6	27.1	19.7	16.8	13.0	16.1	16.2
Big Bend							
Elev NGVD29	1420.8	1420.5	1421.0	1420.7	1420.4	1420.9	1420.7
Disch kcfs	32.0	27.0	19.1	16.9	13.1	15.7	16.2
Fort Randall							
Elev NGVD29	1355.6	1353.6	1344.6	1337.2	1339.5	1344.5	1350.1
Disch kcfs	30.9	29.5	29.9	23.9	11.2	11.0	9.6
Gavins Point							
Elev NGVD29	1207.5	1207.5	1207.5	1207.5	1207.5	1207.5	1206.0
Disch kcfs	31.3	31.1	31.6	26.5	12.5	12.5	12.5
System							
Storage KAF	52101	50673	49362	48275	47743	47555	47683
Energy GWh	3589	812	687	570	495	541	485
Ave Cap MW		2409	2383	2340	2326	2336	2352

01Sep2021 / Lower Basic Condition / 14.1 MAF / Balanced
1.5 kcfs Blw Full Service 2nd Half / Nav End Date: Dec 01

	2021					2022	
	31Aug	30Sep	31Oct	30Nov	31Dec	31Jan	28Feb
Fort Peck							
Elev NGVD29	2229.0	2227.7	2226.9	2226.0	2224.0	2221.9	2220.2
Disch kcfs	9.4	7.2	5.0	5.0	8.5	10.0	10.0
Garrison							
Elev NGVD29	1832.4	1831.0	1830.3	1829.2	1827.7	1826.7	1826.1
Disch kcfs	21.4	17.0	13.5	13.5	16.0	17.0	17.0
Oahe							
Elev NGVD29	1600.5	1598.0	1596.2	1595.2	1595.5	1595.6	1595.8
Disch kcfs	32.6	27.7	20.2	17.1	13.4	16.5	17.0
Big Bend							
Elev NGVD29	1420.8	1420.5	1421.0	1420.7	1420.4	1420.9	1420.7
Disch kcfs	32.0	27.6	19.6	17.2	13.6	16.1	17.0
Fort Randall							
Elev NGVD29	1355.6	1353.6	1344.6	1337.2	1339.5	1344.5	1350.1
Disch kcfs	30.9	30.0	30.4	24.4	11.6	11.4	10.2
Gavins Point							
Elev NGVD29	1207.5	1207.5	1207.5	1207.5	1207.5	1207.5	1206.0
Disch kcfs	31.3	31.1	31.6	26.5	12.5	12.5	12.5
System							
Storage KAF	52101	50564	49097	47899	47300	47004	46943
Energy GWh	3635	821	695	576	492	551	499
Ave Cap MW		2407	2380	2335	2319	2328	2341

01Sep2021 / Upper Basic Condition / 15.4 MAF / Balanced
1.5 kcfs Blw Full Service 2nd Half / Nav End Date: Dec 01

	2021					2022	
	31Aug	30Sep	31Oct	30Nov	31Dec	31Jan	28Feb
Fort Peck							
Elev NGVD29	2229.0	2227.8	2227.1	2226.4	2224.6	2223.4	2222.8
Disch kcfs	9.4	7.3	5.0	5.0	9.0	9.5	9.5
Garrison							
Elev NGVD29	1832.4	1831.3	1830.9	1830.3	1829.1	1828.4	1828.3
Disch kcfs	21.4	17.0	13.5	13.5	16.0	17.0	17.0
Oahe							
Elev NGVD29	1600.5	1598.4	1597.0	1596.3	1596.9	1597.3	1598.1
Disch kcfs	32.6	26.2	19.2	16.0	12.5	15.3	14.9
Big Bend							
Elev NGVD29	1420.8	1420.5	1421.0	1420.7	1420.4	1420.9	1420.7
Disch kcfs	32.0	26.2	18.5	16.1	12.6	14.8	14.9
Fort Randall							
Elev NGVD29	1355.6	1353.6	1344.6	1337.2	1339.5	1344.5	1350.1
Disch kcfs	30.9	28.9	29.3	23.3	10.7	10.4	8.7
Gavins Point							
Elev NGVD29	1207.5	1207.5	1207.5	1207.5	1207.5	1207.5	1206.0
Disch kcfs	31.3	31.1	31.6	26.5	12.5	12.5	12.5
System							
Storage KAF	52101	50785	49506	48564	48157	48191	48592
Energy GWh	3514	798	677	559	483	529	468
Ave Cap MW		2411	2386	2345	2333	2346	2365

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01Sep2021 / Basic Condition / 14.7 MAF / Balanced
Values in 1000 acre-ft Except as Indicated
F-Sum: Sum of Forecasted Values. *: Previous Month's Data

	2021					2022	
	*31Aug	30Sep	31Oct	30Nov	31Dec	31Jan	28Feb
	F-Sum						
Fort Peck							
Reach Inflow	1425	200	225	230	200	250	320
Depletion	-116	-83	-45	10	-7	-2	11
Reg Inflow	1541	283	270	220	207	252	309
Evap	285	94	69	67	46	6	3
Release	2704	434	307	298	553	584	528
Stor Change	-1449	-245	-106	-145	-393	-338	-222
Storage	*13773	13528	13422	13277	12884	12546	12324
Elev NGVD29	*2229.0	2227.8	2227.2	2226.5	2224.4	2222.6	2221.4
Disch kcfs	*9.4	7.3	5.0	5.0	9.0	9.5	9.5
Ave Power MW		95	65	65	115	120	119
Ave Cap MW		212	211	210	208	206	204
Energy GWh	417.7	68.2	48.3	46.6	85.4	89.2	79.9
Garrison							
Reach Inflow	1450	220	330	260	140	200	300
Depletion	-396	-76	-180	-86	-35	-17	-2
Reg Inflow	4552	769	818	643	696	797	830
Evap	389	115	112	98	66	-2	0
Release	5641	1011	830	803	1008	1045	944
Stor Change	-1477	-356	-124	-258	-378	-246	-115
Storage	*16221	15865	15741	15483	15105	14859	14744
Elev NGVD29	*1832.4	1831.1	1830.7	1829.8	1828.4	1827.5	1827.1
Disch kcfs	*21.4	17.0	13.5	13.5	16.4	17.0	17.0
Ave Power MW		207	165	164	197	203	202
Ave Cap MW		541	538	535	530	524	521
Energy GWh	822.8	149.1	122.5	118.1	146.5	150.9	135.7
Oahe							
Reach Inflow	221	40	40	45	6	10	80
Depletion	-10	0	-9	-5	-3	-1	7
Reg Inflow	5887	1078	879	853	1004	1056	1017
Evap	392	114	102	90	74	7	4
Release	6504	1610	1213	997	796	991	898
Stor Change	-1008	-646	-436	-233	134	58	115
Storage	*16618	15972	15535	15302	15437	15494	15610
Elev NGVD29	*1600.5	1598.2	1596.6	1595.7	1596.2	1596.4	1596.8
Disch kcfs	*32.6	27.1	19.7	16.8	13.0	16.1	16.2
Ave Power MW		336	243	205	159	198	199
Ave Cap MW		669	657	650	650	652	654
Energy GWh	968.9	241.9	180.7	147.4	118.4	147.1	133.5
Big Bend							
Reg Inflow	6497	1610	1218	998	796	990	885
Evap	53	21	15	10	5	1	0
Release	6452	1607	1173	1004	807	964	898
Storage	*1678	1660	1689	1674	1657	1683	1670
Elev NGVD29	*1420.8	1420.5	1421.0	1420.7	1420.4	1420.9	1420.7
Disch kcfs	*32.0	27.0	19.1	16.9	13.1	15.7	16.2
Ave Power MW		120	86	77	60	71	73
Ave Cap MW		480	488	490	494	492	492
Energy GWh	353.2	86.6	64.3	55.2	44.7	53.1	49.3
Fort Randall							
Reach Inflow	112	25	1	1	10	25	50
Depletion	4	12	-2	-2	-2	-1	-1
Reg Inflow	6556	1621	1195	1001	818	991	929
Evap	85	34	30	14	6	1	1
Release	6921	1757	1839	1424	691	676	534
Stor Change	-450	-170	-673	-437	122	314	394
Storage	*3456	3286	2613	2176	2298	2612	3007
Elev NGVD29	*1355.6	1353.6	1344.6	1337.2	1339.5	1344.5	1350.1
Disch kcfs	*30.9	29.5	29.9	23.9	11.2	11.0	9.6
Ave Power MW		254	246	183	86	87	80
Ave Cap MW		380	362	327	317	335	355
Energy GWh	680.5	183.1	183.4	131.4	63.8	64.8	53.9
Gavins Point							
Reach Inflow	630	110	110	105	90	90	125
Depletion	26	3	3	9	11	1	-1
Reg Inflow	7583	1854	1950	1582	770	768	661
Evap	18	6	6	4	2	0	0
Release	7600	1848	1944	1577	769	769	694
Stor Change	-34	-0	0	1	-1	-1	-34
Storage	*362	362	362	363	362	361	328
Elev NGVD29	*1207.5	1207.5	1207.5	1207.5	1207.5	1207.5	1206.0
Disch kcfs	*31.3	31.1	31.6	26.5	12.5	12.5	12.5
Ave Power MW		115	117	99	48	48	48
Ave Cap MW		127	127	127	127	127	126
Energy GWh	345.6	82.6	87.3	71.5	35.9	35.9	32.3
Sioux City							
Reach Inflow	490	110	90	75	60	55	100
Depletion	-3	10	-5	-4	-2	-1	-1
Reg Flow	8130	1942	2040	1698	831	825	795
Reg Flow kcfs		32.6	33.2	28.5	13.5	13.4	14.3
Total							
Reach Inflow	4328	705	796	716	506	630	975
Depletion	-496	-134	-238	-77	-38	-21	14
Evap	1222	384	334	283	198	14	9
Storage	*52109	50673	49362	48275	47743	47556	47682
Ave Power MW		1127	923	792	665	727	721
Ave Cap MW		2409	2383	2340	2326	2336	2352
Energy GWh	3588.8	811.6	686.6	570.2	494.7	541.1	484.6
Daily GWh		27.1	22.1	19.0	16.0	17.5	17.3

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Values in 1000 acre-ft Except as Indicated
F-Sum: Sum of Forecasted Values. *: Previous Month's Data

	2021					2022	
	*31Aug	30Sep	31Oct	30Nov	31Dec	31Jan	28Feb
	F-Sum						
Fort Peck							
Reach Inflow	1114	150	180	184	160	200	240
Depletion	-238	-106	-53	-9	-27	-26	-18
Reg Inflow	1352	256	233	193	187	226	258
Evap	285	94	69	67	46	6	3
Release	2728	431	307	298	522	615	555
Stor Change	-1661	-269	-143	-171	-381	-395	-301
Storage	*13773	13504	13360	13189	12808	12413	12112
Elev NGVD29	*2229.0	2227.7	2226.9	2226.0	2224.0	2221.9	2220.2
Disch kcfs	*9.4	7.2	5.0	5.0	8.5	10.0	10.0
Ave Power MW		94	65	65	108	126	124
Ave Cap MW		212	210	209	208	205	202
Energy GWh	420.1	67.7	48.3	46.5	80.4	93.6	83.6
Garrison							
Reach Inflow	1134	165	264	208	112	160	225
Depletion	-406	-95	-166	-89	-34	-18	-4
Reg Inflow	4266	730	737	594	639	780	785
Evap	387	115	111	98	65	-2	0
Release	5617	1011	830	803	984	1045	944
Stor Change	-1739	-395	-204	-306	-410	-263	-160
Storage	*16221	15826	15622	15316	14905	14642	14482
Elev NGVD29	*1832.4	1831.0	1830.3	1829.2	1827.7	1826.7	1826.1
Disch kcfs	*21.4	17.0	13.5	13.5	16.0	17.0	17.0
Ave Power MW		207	164	164	192	202	201
Ave Cap MW		541	537	533	526	521	517
Energy GWh	816.7	149.0	122.3	117.8	142.5	150.1	134.9
Oahe							
Reach Inflow	166	30	30	34	5	8	60
Depletion	-10	0	-9	-5	-3	-1	7
Reg Inflow	5808	1068	869	842	983	1050	997
Evap	390	114	102	89	73	7	4
Release	6692	1648	1244	1018	822	1017	944
Stor Change	-1274	-695	-477	-264	87	26	49
Storage	*16618	15923	15446	15182	15269	15295	15344
Elev NGVD29	*1600.5	1598.0	1596.2	1595.2	1595.5	1595.6	1595.8
Disch kcfs	*32.6	27.7	20.2	17.1	13.4	16.5	17.0
Ave Power MW		344	248	208	163	202	207
Ave Cap MW		669	656	648	647	649	650
Energy GWh	993.2	247.4	184.9	149.9	121.6	150.1	139.3
Big Bend							
Reg Inflow	6685	1648	1248	1020	822	1016	932
Evap	53	21	15	10	5	1	0
Release	6641	1644	1205	1023	834	990	944
Storage	*1678	1660	1689	1674	1657	1683	1670
Elev NGVD29	*1420.8	1420.5	1421.0	1420.7	1420.4	1420.9	1420.7
Disch kcfs	*32.0	27.6	19.6	17.2	13.6	16.1	17.0
Ave Power MW		123	89	78	62	73	77
Ave Cap MW		480	487	490	494	492	491
Energy GWh	363.3	88.6	65.9	56.2	46.2	54.5	51.8
Fort Randall							
Reach Inflow	84	19	1	1	8	19	37
Depletion	4	12	-2	-2	-2	-1	-1
Reg Inflow	6716	1652	1226	1022	842	1010	964
Evap	85	34	30	14	6	1	1
Release	7079	1786	1868	1450	712	699	564
Stor Change	-448	-168	-671	-442	124	310	398
Storage	*3456	3289	2617	2175	2299	2610	3008
Elev NGVD29	*1355.6	1353.6	1344.6	1337.2	1339.5	1344.5	1350.1
Disch kcfs	*30.9	30.0	30.4	24.4	11.6	11.4	10.2
Ave Power MW		258	250	186	88	90	85
Ave Cap MW		380	362	327	317	335	355
Energy GWh	695.6	186.0	186.2	133.7	65.7	67.0	57.0
Gavins Point							
Reach Inflow	472	83	83	79	67	67	94
Depletion	26	3	3	9	11	1	-1
Reg Inflow	7583	1854	1950	1581	770	768	660
Evap	18	6	6	4	2	0	0
Release	7600	1848	1944	1577	769	769	694
Stor Change	-35	0	1	0	-1	-1	-34
Storage	*362	362	363	363	362	361	327
Elev NGVD29	*1207.5	1207.5	1207.5	1207.5	1207.5	1207.5	1206.0
Disch kcfs	*31.3	31.1	31.6	26.5	12.5	12.5	12.5
Ave Power MW		115	117	99	48	48	48
Ave Cap MW		127	127	127	127	127	126
Energy GWh	345.7	82.6	87.3	71.5	35.9	35.9	32.3
Sioux City							
Reach Inflow	368	83	67	56	45	41	75
Depletion	-3	10	-5	-4	-2	-1	-1
Reg Flow	8008	1914	2018	1679	816	811	770
Reg Flow kcfs		32.2	32.8	28.2	13.3	13.2	13.9
Total							
Reach Inflow	3338	529	625	562	397	495	731
Depletion	-627	-176	-232	-100	-57	-45	-17
Evap	1218	383	333	281	197	14	9
Storage	*52109	50564	49098	47900	47301	47004	46943
Ave Power MW		1141	934	800	662	741	742
Ave Cap MW		2407	2380	2335	2319	2328	2341
Energy GWh	3634.5	821.4	694.9	575.7	492.4	551.2	498.9
Daily GWh		27.4	22.4	19.2	15.9	17.8	17.8

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01Sep2021 / Upper Basic Condition / 15.4 MAF / Balanced
Values in 1000 acre-ft Except as Indicated
F-Sum: Sum of Forecasted Values. *: Previous Month's Data

	2021					2022	
	*31Aug	30Sep	31Oct	30Nov	31Dec	31Jan	28Feb
	F-Sum						
Fort Peck							
Reach Inflow	1710	240	270	276	240	300	384
Depletion	-85	-49	35	44	-16	-75	-24
Reg Inflow	1795	289	235	232	256	375	408
Evap	285	94	69	67	46	6	3
Release	2704	434	307	298	553	584	528
Stor Change	-1195	-239	-142	-133	-344	-215	-122
Storage	*13773	13534	13392	13259	12915	12700	12578
Elev NGVD29	*2229.0	2227.8	2227.1	2226.4	2224.6	2223.4	2222.8
Disch kcfs	*9.4	7.3	5.0	5.0	9.0	9.5	9.5
Ave Power MW		95	65	65	115	120	120
Ave Cap MW		212	211	210	208	206	205
Energy GWh	418.4	68.2	48.3	46.6	85.5	89.4	80.4
Garrison							
Reach Inflow	1740	264	396	312	168	240	360
Depletion	-405	-74	-132	-114	-44	-28	-14
Reg Inflow	4851	811	835	724	732	848	902
Evap	390	115	112	99	66	-2	0
Release	5617	1011	830	803	984	1045	944
Stor Change	-1156	-314	-107	-178	-318	-196	-42
Storage	*16221	15907	15800	15622	15303	15108	15065
Elev NGVD29	*1832.4	1831.3	1830.9	1830.3	1829.1	1828.4	1828.3
Disch kcfs	*21.4	17.0	13.5	13.5	16.0	17.0	17.0
Ave Power MW		207	165	164	193	204	203
Ave Cap MW		542	539	537	532	528	526
Energy GWh	822.0	149.1	122.7	118.4	143.6	151.6	136.6
Oahe							
Reach Inflow	303	54	54	61	8	14	112
Depletion	-10	0	-9	-5	-3	-1	7
Reg Inflow	5945	1092	893	869	986	1056	1049
Evap	394	115	103	90	75	8	4
Release	6224	1560	1179	953	766	938	828
Stor Change	-673	-583	-389	-174	146	111	216
Storage	*16618	16035	15646	15472	15618	15728	15945
Elev NGVD29	*1600.5	1598.4	1597.0	1596.3	1596.9	1597.3	1598.1
Disch kcfs	*32.6	26.2	19.2	16.0	12.5	15.3	14.9
Ave Power MW		326	237	197	154	189	185
Ave Cap MW		670	659	653	654	656	660
Energy GWh	931.7	234.8	176.3	141.6	114.5	140.3	124.3
Big Bend							
Reg Inflow	6218	1560	1184	955	765	938	815
Evap	53	21	15	10	5	1	0
Release	6174	1557	1140	961	777	911	828
Storage	*1678	1660	1689	1673	1657	1683	1670
Elev NGVD29	*1420.8	1420.5	1421.0	1420.7	1420.4	1420.9	1420.7
Disch kcfs	*32.0	26.2	18.5	16.1	12.6	14.8	14.9
Ave Power MW		117	84	73	58	68	68
Ave Cap MW		481	489	491	495	493	493
Energy GWh	338.4	84.1	62.5	52.9	43.0	50.3	45.6
Fort Randall							
Reach Inflow	155	34	1	1	14	35	70
Depletion	4	12	-2	-2	-2	-1	-1
Reg Inflow	6321	1581	1162	959	791	949	880
Evap	85	34	30	14	6	1	1
Release	6686	1717	1801	1387	659	638	483
Stor Change	-450	-169	-670	-442	126	310	395
Storage	*3456	3287	2617	2175	2302	2611	3007
Elev NGVD29	*1355.6	1353.6	1344.6	1337.2	1339.5	1344.5	1350.1
Disch kcfs	*30.9	28.9	29.3	23.3	10.7	10.4	8.7
Ave Power MW		249	242	178	82	82	73
Ave Cap MW		380	362	327	317	335	355
Energy GWh	658.2	179.1	179.8	128.2	60.9	61.3	48.9
Gavins Point							
Reach Inflow	861	149	148	142	121	126	175
Depletion	26	3	3	9	11	1	-1
Reg Inflow	7583	1854	1950	1582	769	768	661
Evap	18	6	6	4	2	0	0
Release	7600	1848	1944	1577	769	769	694
Stor Change	-35	-0	0	1	-1	-0	-34
Storage	*362	362	362	363	362	361	327
Elev NGVD29	*1207.5	1207.5	1207.5	1207.5	1207.5	1207.5	1206.0
Disch kcfs	*31.3	31.1	31.6	26.5	12.5	12.5	12.5
Ave Power MW		115	117	99	48	48	48
Ave Cap MW		127	127	127	127	127	126
Energy GWh	345.6	82.6	87.3	71.5	35.9	35.9	32.3
Sioux City							
Reach Inflow	669	149	121	101	81	77	140
Depletion	-3	10	-5	-4	-2	-1	-1
Reg Flow	8309	1980	2072	1724	852	847	835
Reg Flow kcfs		33.3	33.7	29.0	13.8	13.8	15.0
Total							
Reach Inflow	5438	889	991	893	632	792	1241
Depletion	-473	-98	-110	-72	-55	-105	-33
Evap	1225	384	335	284	199	14	10
Storage	*52109	50785	49507	48564	48156	48191	48591
Ave Power MW		1108	910	777	650	711	696
Ave Cap MW		2411	2386	2345	2333	2346	2365
Energy GWh	3514.3	797.9	676.9	559.1	483.5	528.9	468.0
Daily GWh		26.6	21.8	18.6	15.6	17.1	16.7