

**§418.21**

**43 CFR, Subtitle B, Ch. I (10-1-14 Edition)**

or otherwise as frequently as necessary to meet the monthly storage objective.

**§418.21 Diversion of Truckee River water to Lahontan Reservoir, July through December.**

Truckee River diversions through the Truckee Canal to Lahontan Reservoir from July through December must be made only in accordance with the Adjustments to Lahontan Reservoir Storage Targets table and §418.22. Diversions shall be started to achieve the end-of-month storage targets listed in the table in §418.22 and will be discontinued when storage is forecast to meet or exceed the end-of-month storage targets at the end of the month. Diversions may be adjusted any time during the month as conditions warrant (i.e., new forecasts, information from other forecasts becoming available, or any other new information that may impact stream forecasts).

**§418.22 Future adjustments to Lahontan Reservoir storage targets.**

(a) The Lahontan Reservoir storage targets must be adjusted to accommodate changes in water demand in the Carson Division. Using the information reported by the District by March 1 of each year on eligible land expected to be irrigated and end-of-year data on eligible land actually irrigated (§418.9(b)), the Bureau will determine if the Lahontan Reservoir storage targets need to be changed. If no change is needed, the storage targets currently in effect will remain in effect.

(1) Only the actual water demand reported for full water years (100 percent water supply) will be considered. Targets will not be changed based on water demand reported for less than full water years.

(2) All changes in storage targets must start on October 1 of any year. If information provided by March 1 and other available information indicates that the Lahontan Reservoir storage targets must be changed, the new set of storage targets must be applied starting October 1 of the same year and remain in effect until changed according to this section.

(b) All changes to storage targets will be made according to the table in this section. The table of storage targets has been developed to provide a consistent Project water supply over a range of demands.

(1) A storage target adjustment must be made in increments of thousands of acre-feet for the change as indicated in the column listing Carson Division Demand and the complete set of monthly targets must be applied.

(2) If the change in reported water demand is above or below the values in the table of storage targets, the adjustment to the storage targets can be calculated. The calculated adjustment is the number that would appear in the column Target Adjustment in the table. The calculated Target Adjustment is then added or subtracted to the base storage target for each month. Target Adjustments must be made in whole increments of 1,000 acre-feet and calculated values will be rounded to the nearest 1,000 acre-feet.

(i) For demands greater than those set forth on the table, the formula for the Target Adjustment is: Target Adjustment = 0.00208 (Demand in acre-feet—271,000 acre-feet). For example, if water demand increased to 292,635 acre-feet per year, the Target Adjustment calculation would be =  $0.00208 \times (292,635 - 271,000)$ . The result would be a Target Adjustment of 45 or 45,000 acre-feet. This would be added to the base monthly storage target values so, the January-May target would be 219,000 acre-feet, June would be 235,000 acre-feet, and so on.

(ii) For demands less than those set forth on the table, the formula for the Target Adjustment is: Target Adjustment = 0.00174 (Demand in acre-feet—271,000 acre-feet). For example, if water demand decreased to 248,011 acre-feet per year, the Target Adjustment calculation would be =  $0.00174 \times (248,011 - 271,000)$ . The result would be a Target Adjustment of -40 or -40,000 acre-feet. This would be subtracted from the base monthly storage target values so, the January-May target would be 134,000 acre-feet, June would be 150,000 acre-feet, and so on.

## ADJUSTMENTS TO LAHONTAN RESERVOIR STORAGE TARGETS

Increase in Storage Targets for Carson Division Diversion Demand Greater than 271,000 acre-feet									
Target Adjust-ment	Carson Division Demand	Jan-May	June	July	Aug	Sep	Oct	Nov	Dec
0	271.0	174	190	160	100	64	52	74	101
1	271.5	175	191	161	101	65	53	75	102
2	272.0	176	192	162	102	66	54	76	103
3	272.4	177	193	163	103	67	55	77	104
4	272.9	178	194	164	104	68	56	78	105
5	273.4	179	195	165	105	69	57	79	106
6	273.9	180	196	166	106	70	58	80	107
7	274.4	181	197	167	107	71	59	81	108
8	274.8	182	198	168	108	72	60	82	109
9	275.3	183	199	169	109	73	61	83	110
10	275.8	184	200	170	110	74	62	84	111
11	276.3	185	201	171	111	75	63	85	112
12	276.8	186	202	172	112	76	64	86	113
13	277.3	187	203	173	113	77	65	87	114
14	277.7	188	204	174	114	78	66	88	115
15	278.2	189	205	175	115	79	67	89	116
16	278.7	190	206	176	116	80	68	90	117
17	279.2	191	207	177	117	81	69	91	118
18	279.7	192	208	178	118	82	70	92	119
19	280.1	193	209	179	119	83	71	93	120
20	280.6	194	210	180	120	84	72	94	121
21	281.1	195	211	181	121	85	73	95	122
22	281.6	196	212	182	122	86	74	96	123
23	282.1	197	213	183	123	87	75	97	124
24	282.5	198	214	184	124	88	76	98	125
25	283.0	199	215	185	125	89	77	99	126
26	283.5	200	216	186	126	90	78	100	127
27	284.0	201	217	187	127	91	79	101	128
28	284.5	202	218	188	128	92	80	102	129
29	284.9	203	219	189	129	93	81	103	130
30	285.4	204	220	190	130	94	82	104	131
31	285.9	205	221	191	131	95	83	105	132
32	286.4	206	222	192	132	96	84	106	133
33	286.9	207	223	193	133	97	85	107	134
34	287.3	208	224	194	134	98	86	108	135
35	287.8	209	225	195	135	99	87	109	136
36	288.3	210	226	196	136	100	88	110	137
37	288.8	211	227	197	137	101	89	111	138
38	289.3	212	228	198	138	102	90	112	139
39	289.8	213	229	199	139	103	91	113	140
40	290.2	214	230	200	140	104	92	114	141

Decrease in Storage Targets for Carson Division Diversion Demand Less than 271,000 acre-feet									
Target Adjust-ment	Carson Division Demand	Jan-May	June	July	Aug	Sep	Oct	Nov	Dec
0	271.0	174	190	160	100	64	52	74	101
-1	270.4	173	189	159	99	63	51	73	100
-2	269.9	172	188	158	98	62	50	72	99
-3	269.3	171	187	157	97	61	49	71	98
-4	268.7	170	186	156	96	60	48	70	97
-5	268.1	169	185	155	95	59	47	69	96
-6	267.6	168	184	154	94	58	46	68	95
-7	267.0	167	183	153	93	57	45	67	94
-8	266.4	166	182	152	92	56	44	66	93
-9	265.8	165	181	151	91	55	43	65	92
-10	265.3	164	180	150	90	54	42	64	91
-11	264.7	163	179	149	89	53	41	63	90
-12	264.1	162	178	148	88	52	40	62	89
-13	263.5	161	177	147	87	51	39	61	88
-14	263.0	160	176	146	86	50	38	60	87
-15	262.4	159	175	145	85	49	37	59	86
-16	261.8	158	174	144	84	48	36	58	85
-17	261.2	157	173	143	83	47	35	57	84
-18	260.7	156	172	142	82	46	34	56	83
-19	260.1	155	171	141	81	45	33	55	82
-20	259.5	154	170	140	80	44	32	54	81
-21	258.9	153	169	139	79	43	31	53	80
-22	258.4	152	168	138	78	42	30	52	79
-23	257.8	151	167	137	77	41	29	51	78
-24	257.2	150	166	136	76	40	28	50	77
-25	256.6	149	165	135	75	39	27	49	76
-26	256.1	148	164	134	74	38	26	48	75
-27	255.5	147	163	133	73	37	25	47	74
-28	254.9	146	162	132	72	36	24	46	73
-29	254.3	145	161	131	71	35	23	45	72
-30	253.8	144	160	130	70	34	22	44	71
-31	253.2	143	159	129	69	33	21	43	70
-32	252.6	142	158	128	68	32	20	42	69
-33	252.0	141	157	127	67	31	19	41	68
-34	251.5	140	156	126	66	30	18	40	67
-35	250.9	139	155	125	65	29	17	39	66
-36	250.3	138	154	124	64	28	16	38	65
-37	249.7	137	153	123	63	27	15	37	64

**§418.23 Diversion of Rock Dam Ditch water.**

Project water may be diverted directly to Rock Dam Ditch from the Truckee Canal only when diversions cannot be made from the outlet works of Lahontan Reservoir. Such diversions will require the prior written approval

of the Bureau and be used in calculating Project diversions.

**§418.24 Precautionary drawdown and spills from Lahontan Reservoir.**

(a) Even though flood control is not a specifically authorized purpose of the Project, at the request of the District