Appendix 5A

Section C: CALSIM II and DSM2 Modeling Results

Table C-43-6. Folsom Lake, End of Month Storage

No Action Alternative (ELT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	621	555	575	575	575	671	800	975	975	909	800	633
20%	553	508	575	571	574	667	800	975	975	838	752	587
30%	512	479	530	560	563	662	800	975	975	751	672	556
40%	471	448	469	533	558	652	800	975	968	700	605	523
50%	434	420	448	489	543	636	800	975	867	615	527	480
60%	375	401	400	444	484	623	800	874	766	528	480	419
70%	343	361	362	387	429	589	731	767	681	432	389	365
80%	314	308	317	347	403	522	613	662	557	383	336	322
90%	176	209	234	287	350	449	461	489	443	274	200	189
Long Term												
Full Simulation Period[a]	422	401	429	454	485	591	713	822	773	600	522	445
Water Year Types[b]												
Wet (32%)	470	454	517	519	505	633	789	957	948	809	715	557
Above Normal (15%)	400	359	396	504	534	648	796	955	901	657	588	504
Below Normal (17%)	439	422	427	479	543	640	785	920	871	628	543	499
Dry (22%)	398	391	411	414	491	593	696	746	638	464	399	375
Critical (15%)	355	317	302	296	319	383	408	397	352	260	202	186

Alternative 4A (ELT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	600	569	575	575	575	670	800	975	975	855	800	634
20%	576	539	575	574	575	667	800	975	975	819	753	590
30%	506	506	553	565	566	662	800	975	973	738	645	566
40%	473	469	508	546	560	655	800	975	885	642	591	539
50%	426	423	460	514	546	637	800	975	796	592	544	480
60%	389	397	412	451	484	625	800	874	755	526	472	434
70%	344	371	363	407	448	591	746	770	637	449	395	381
80%	314	311	332	333	407	537	626	659	536	377	347	340
90%	170	219	236	254	354	469	473	512	423	268	211	177
Long Term												
Full Simulation Period[a]	421	412	437	460	487	593	715	824	746	581	519	452
Water Year Types[b]												
Wet (32%)	465	470	524	522	505	633	790	957	926	782	705	561
Above Normal (15%)	406	384	422	521	538	648	796	955	882	648	586	507
Below Normal (17%)	430	426	428	487	545	643	787	922	811	600	532	513
Dry (22%)	398	391	414	416	497	599	704	751	607	448	399	376
Critical (15%)	367	329	309	299	318	382	407	396	349	256	217	203

Alternative 4A (ELT) minus No Action Alternative (ELT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-21	14	0	0	0	-1	0	0	0	-54	0	1
20%	24	32	0	3	1	0	0	0	0	-19	1	3
30%	-6	27	23	5	3	0	0	0	-2	-12	-27	10
40%	2	21	39	12	1	3	0	0	-83	-58	-14	16
50%	-8	3	12	25	3	2	0	0	-70	-23	17	1
60%	14	-3	12	7	0	1	0	0	-11	-1	-9	15
70%	1	11	2	20	19	1	15	3	-44	17	7	16
80%	0	4	15	-14	4	15	13	-3	-20	-6	10	17
90%	-6	10	2	-33	3	20	12	24	-19	-6	11	-12
Long Term												
Full Simulation Period[a]	-1	11	8	6	2	2	2	1	-27	-19	-3	7
Water Year Types[b]												
Wet (32%)	-6	16	7	3	0	0	0	0	-22	-27	-10	3
Above Normal (15%)	6	26	26	17	3	0	0	0	-19	-9	-2	3
Below Normal (17%)	-10	4	1	8	2	2	2	2	-59	-29	-11	14
Dry (22%)	0	0	3	2	6	6	9	6	-31	-15	0	1
Critical (15%)	12	12	7	3	-1	-1	-1	-1	-3	-4	15	18

Note: "ELT" (Early Long-Term) indicates Alternatives that are simulated with 2025 climate change and sea level rise.

a Based on the 82-year simulation period

b As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)