Appendix 5A

Section C: CALSIM II and DSM2 Modeling Results

Appendix 5A

Section C: CALSIM II and DSM2 Modeling Results

Outline

Introduction

Appropriate use of Model Results

C.1. Trinity Storage

C.2. Shasta Storage

C.3. Oroville Storage

C.4. Folsom Storage

C.5. San Luis Storage

C.6. New Melones Storage

C.7. Delta Outflow

C.8. X2 Results

C.9. Old and Middle River Flow

C.10. Total Delta Exports

C.11. Isolated Facility Exports

C.12. SWP and CVP South Delta Exports

C.13. SWP and CVP Deliveries

C.14. Trinity River Flow below Lewiston

C.15. Sacramento River Flow downstream of Keswick Reservoir

C.16. Sacramento River Flow at Bend Bridge

C.17. Feather River Flow downstream of Thermalito

C.18. Fremont Weir Spills

C.19. American River Flow downstream of Folsom

C.20. Sacramento River Flow at Freeport

C.21. Sacramento River Flow downstream of North Delta Diversion

C.22. Yolo Bypass Flow

C.23. San Joaquin River Flow at Vernalis

C.24. Sacramento River Flow a Rio Vista

C.25. Sutter and Steamboat Slough Flows

C.26. Steamboat Slough downstream of Sutter Slough Water Surface Elevation

C.27. Old River at Tracy Boulevard Water Surface Elevation

C.28. Mokelumne River at Terminous Water Surface Elevation

C.29. Sacramento River at Freeport Water Surface Elevation

C.30. Sacramento River downstream of North Delta Diversion Water Surface Elevation

C.31. Sacramento River downstream of Georgiana Slough Water Surface Elevation

C.32. Sacramento River at Rio Vista Water Surface Elevation

C.33. Sacramento River at Emmaton Salinity

C.34. San Joaquin River at Jersey Point Salinity

C.35. Sacramento River at Collinsville Salinity

C.36. Old River at Rock Slough Salinity

C.37. Sacramento River downstream of Steamboat Slough Salinity

C.38. Sacramento River at Mallard Slough Salinity

C.39. Sacramento River at Port Chicago Salinity

Alternatives 2A, 4A, 5A at Early Long-Term

C.40. Trinity Storage

C.41. Shasta Storage

C.42. Oroville Storage

C.43. Folsom Storage

C.44. San Luis Storage

C.45. New Melones Storage

C.46. Delta Outflow

C.47. X2 Results

C.48. Old and Middle River Flow

C.49. Total Delta Exports

C.50. Isolated Facility Exports

C.51. SWP and CVP South Delta Exports

C.52. SWP and CVP Deliveries

C.53. Trinity River Flow below Lewiston

C.54. Sacramento River Flow downstream of Keswick Reservoir

C.55. Sacramento River Flow at Bend Bridge

C.56. Feather River Flow downstream of Thermalito

C.57. Fremont Weir Spills

C.58. American River Flow downstream of Folsom

C.59. Sacramento River Flow at Freeport

C.60. Sacramento River Flow downstream of North Delta Diversion

C.61. Yolo Bypass Flow

C.62. San Joaquin River Flow at Vernalis

C.63. Sacramento River Flow a Rio Vista

C.64. Sutter and Steamboat Slough Flows

C.65. Steamboat Slough downstream of Sutter Slough Water Surface E

C.66. Old River at Tracy Boulevard Water Surface Elevation

C.67. Mokelumne River at Terminous Water Surface Elevation

C.68. Sacramento River at Freeport Water Surface Elevation

C.69. Sacramento River downstream of North Delta Diversion Water S

C.70. Sacramento River downstream of Georgiana Slough Water Surfac

C.71. Sacramento River at Rio Vista Water Surface Elevation

C.72. Sacramento River at Emmaton Salinity

C.73. San Joaquin River at Jersey Point Salinity

C.74. Sacramento River at Collinsville Salinity

C.75. Old River at Rock Slough Salinity

C.76. Sacramento River downstream of Steamboat Slough Salinity

C.77. Sacramento River at Mallard Slough Salinity

C.78. Sacramento River at Port Chicago Salinity

Introduction

This section provides model CALSIM II and DSM2 model simulation results for alternatives evaluated for the BDCP EIR/EIS. Sections C.1. to C.39. present data from the Public Draft EIR/EIS Alternatives (Alternative 1, 2, 3, 4 [H1, H2, H3, H4], 5, 6, 7, 8, 9 at Late Long-Term) compared with No Action Alternative at Late Long-Term and Existing Conditions. Sections C.40. to C.78. present data for the Recirculated Draft EIR/SEIS Alternatives (Alternative 2D, 4A, 5A at Early Long-Term) compared with No Action Alternative at Early Long-Term and Existing Conditions. Sections provided for each parameter include figures and tables in various formats to provide the reader with tools for multiple ways of analysis.

Different types of presentations are explained below:

- Probability of Exceedance Plots: Probability of exceedance plots provide the frequency of occurrence of values of a parameter that exceed a reference value. For this appendix, the calculation of exceedance probability is done by ranking the data. For example, for Shasta storage end of September exceedance plot, Shasta storage values at the end of September for each simulated year are sorted in ascending order. The smallest value would have a probability of exceedance of 100% since all other values would be greater than that value; and the largest value would have a probability of exceedance of 0%. All the values are plotted with probability of exceedance on the x-axis and the value of the parameter on the y-axis. Following the same example, if for one scenario, Shasta end of September of 2,000 TAF corresponds to 80% probability; it implies that Shasta end-of September storage is higher than 2,000 TAF in 80% of the years under the simulated conditions.

- Monthly Pattern Plots: Monthly pattern plots provide average values for a parameter for each month of the year. The averaging may be done on a long-term basis; which means that it is being averaged over the full number of simulated years, or it may be done for a set of simulated years that have a certain year type. In this appendix, year types are determined using the Sacramento Valley 40-30-30 Index developed by the State Water Resources Control Board (SWRCB). In this appendix, for year type based averages, the year type for each simulated year is assumed to be the classification of the year under current climate conditions. This type of plot is used to obtain insight to the monthly variation of phenomenon throughout the year.

- Long Term Average Summary and Year Type Based Statistics Summary Tables: These tables provide parameter values for each 10% increment of exceedance probability (rows) for each month (columns) as well as long-term and year-type averages (using the Sacramento Valley 40-30-30 Index developed by the SWRCB for current climate) for each month. For a few parameters, such as Delta outflow, annual total or average values are added to the tables (for volume and rates, respectively).

- Long Term Average Summary and Dry and Critical Year Type Based Summary Tables: these tables are primarily used to report average annual SWP and CVP deliveries for each hydrologic region. Values are averaged either for all the years (long-term) or for dry and critical years (using the Sacramento Valley 40-30-30 Index developed by the SWRCB for current climate). This table is also provided in a format that summarizes

SWP and CVP agricultural and municipal and industrial deliveries to the north and south of Delta.

- Long Term Average Summary for SWP Table A and Article 21 Deliveries: This table provides firm and intermittent SWP deliveries on a long-term average basis.
- Long Term Average Summary for Total Delta Exports: This plot consists of stacked bars for north and south Delta exports to present the long-term and dry and critical year average (using the Sacramento Valley 40-30-30 Index developed by the SWRCB for current climate) for Delta exports.

All plots and tables are prepared to accommodate following comparisons:

- No Action Alternative at late-long term (with climate change and sea level rise) compared to existing conditions
- Alternatives at late-long term (with climate change and sea level rise) compared to existing conditions
- Alternatives at late-long term (with climate change and sea level rise) compared to the No Action Alternative at late-long term (with climate change and sea level rise)

Appropriate Use of Model Results

The physical models developed and applied in the BDCP analysis are generalized and simplified representations of a complex water resources system. A brief description of appropriate use of the model results to compare two scenarios or to compare against threshold values or standards is presented below.

Absolute vs. Relative Use of the Model Results

The models are not predictive models (in how they are applied in this project), and therefore the results cannot be considered as absolute with and within a quantifiable confidence interval. The model results are only useful in a comparative analysis and can only serve as an indicator of condition (e.g. compliance with a standard) and of trend (e.g. generalized impacts).

Appropriate Reporting Time-Step

Due to the assumptions involved in the input data sets and model logic, care must be taken to select the most appropriate time-step for the reporting of model results. Sub-monthly (e.g. weekly or daily) reporting of model results is inappropriate for all models and the results should be presented on a monthly basis.

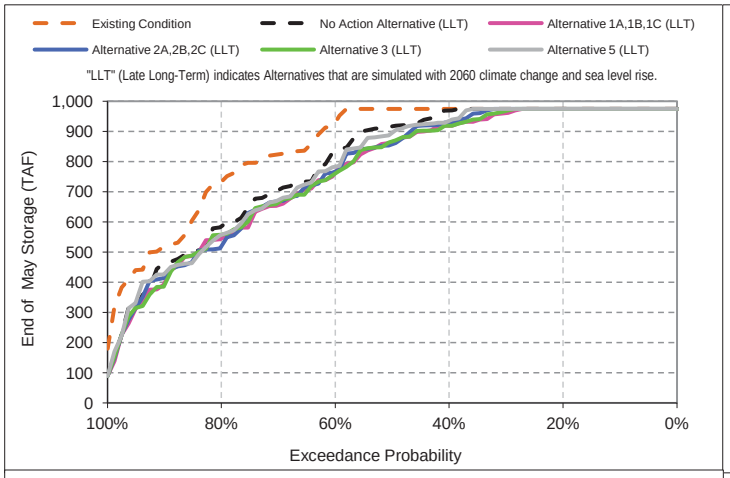
Statistical Comparisons are Preferred

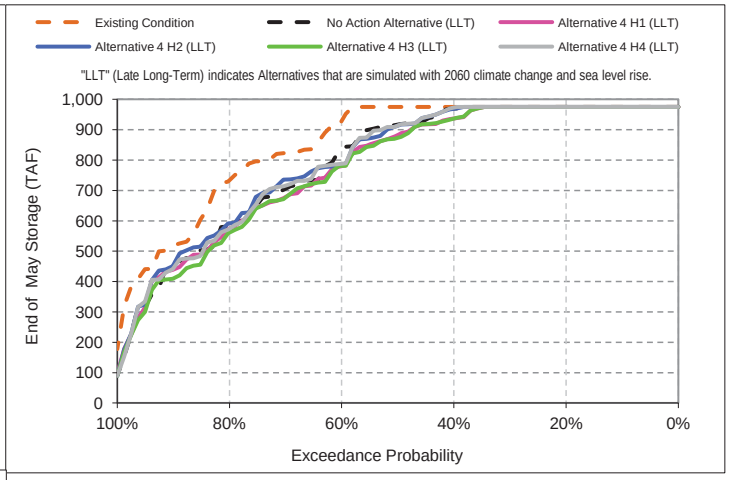
Absolute differences computed at a point in time between model results from an alternative and a baseline to evaluate impacts is an inappropriate use of model results (e.g. computing differences between the results from a baseline and an alternative for a particular day or month and year within the period of record of simulation). Likewise computing absolute differences between an alternative (or a baseline) and a specific threshold value or standard is an inappropriate use of model results. Statistics computed based on the absolute differences at a point in time (e.g. average of monthly differences) are an inappropriate use of model results. By computing the absolute differences in this way, disregards the changes in antecedent conditions between individual scenarios and distorts the evaluation of impacts of a specific action.

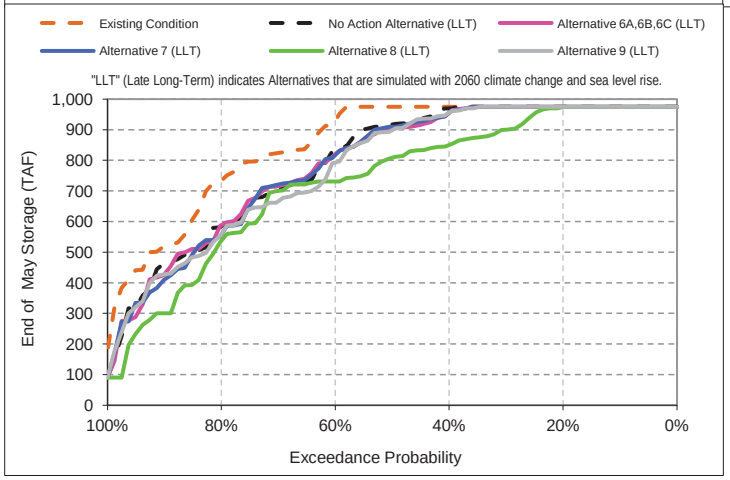
Reporting seasonal patterns from long-term averages and water year type averages is appropriate. Statistics computed based on long-term and water year type averages are an appropriate use of model results. Computing differences between long-term or water year type averages of model results from two scenarios are appropriate. Care should be taken to use the appropriate water year type for presenting water year type average statistics of model results (e.g. D1641 Sacramento River 40-30-30 or San Joaquin River 60-20-20 based on assumed with or without climate modifications). Water year types are based on the current climate and hydrologic conditions and are not modified for the late-long term level of climate and hydrology.

The most appropriate presentation of monthly and annual model results is in the form of probability distributions and comparisons of probability distributions (e.g. cumulative probabilities). If necessary, comparisons of model results against threshold or standard values should be limited to comparisons based on cumulative probability distributions.

C.4. Folsom Storage



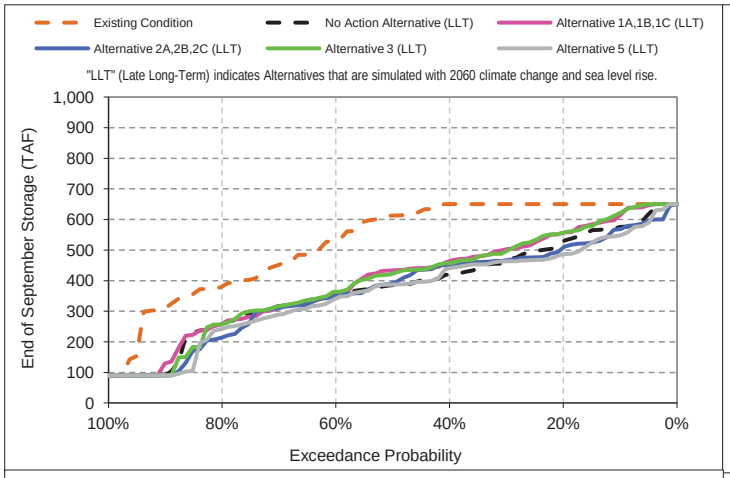


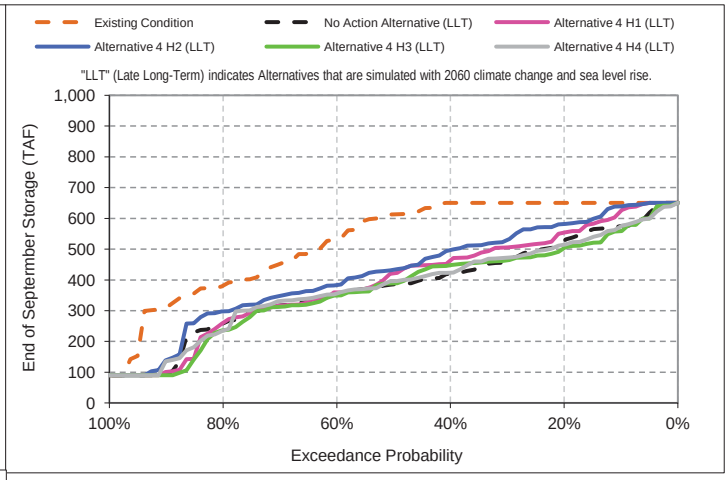


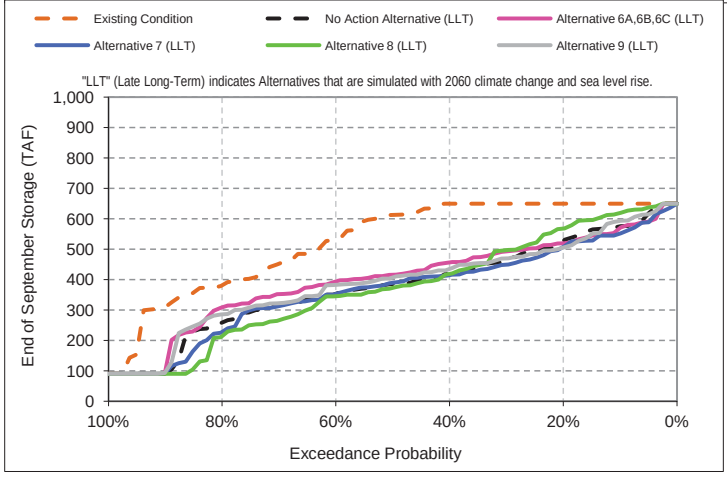
Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-4-1. Folsom Lake, End of May Storage







Alternative 4 Scenario Definitions:

H1 - Low Delta Outflow Scenario
H2 - Enhanced Spring Delta Outflow Scenario
H3 - Fall X2 Scenario
H4 - High Delta Outflow Scenario

Figure C-4-2. Folsom Lake, End of September Storage

Table C-4-1. Folsom Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

No Action Alternative (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-103	-81	0	0	0	0	0	0	0	-152	-82	-75
20%	-169	-151	-29	-3	-3	0	0	0	-14	-175	-180	-124
30%	-218	-176	-78	-9	0	1	0	0	-97	-189	-220	-181
40%	-223	-192	-117	-31	1	4	0	-5	-153	-199	-234	-231
50%	-235	-193	-127	-64	-18	-6	0	-58	-205	-224	-232	-227
60%	-161	-130	-130	-69	-32	-11	-3	-94	-181	-225	-181	-179
70%	-118	-121	-98	-85	-50	-31	-69	-118	-142	-182	-144	-135
80%	-119	-115	-104	-71	-67	-61	-78	-148	-197	-148	-106	-123
90%	-209	-182	-73	-85	-29	-63	-67	-56	-89	-196	-236	-219
Long Term												
Full Simulation Period[a]	-151	-126	-79	-48	-25	-18	-29	-58	-112	-174	-161	-146
Water Year Types[b]												
Wet (32%)	-158	-119	-27	-8	3	2	-5	-23	-64	-172	-147	-151
Above Normal (15%)	-133	-122	-87	-37	-14	6	-1	-38	-126	-213	-215	-192
Below Normal (17%)	-159	-153	-124	-77	-21	-15	-14	-43	-125	-167	-192	-166
Dry (22%)	-157	-125	-98	-74	-51	-39	-66	-115	-181	-196	-158	-136
Critical (15%)	-132	-117	-104	-75	-62	-57	-74	-89	-81	-119	-105	-80

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)

Table C-4-2. Folsom Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 1A,1B,1C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	617	570	575	575	575	670	800	975	938	748	658	613
20%	474	495	568	572	568	667	800	975	867	659	569	556
30%	434	414	502	563	561	658	800	961	807	576	519	502
40%	374	391	455	538	549	647	800	919	748	539	475	464
50%	337	346	382	458	515	632	798	865	661	500	452	434
60%	302	307	345	406	457	616	748	763	603	414	375	361
70%	271	280	286	366	405	570	685	656	551	340	312	310
80%	228	226	242	291	357	517	566	545	426	312	264	259
90%	115	133	193	184	301	398	425	397	353	197	126	130
Long Term												
Full Simulation Period[a]	354	346	387	429	461	577	689	764	650	477	420	400
Water Year Types[b]												
Wet (32%)	415	417	500	516	505	635	788	934	841	664	579	543
Above Normal (15%)	332	327	373	505	521	648	793	901	746	510	454	435
Below Normal (17%)	374	364	370	450	522	630	770	851	696	493	443	428
Dry (22%)	318	316	351	366	446	566	644	643	514	370	328	316
Critical (15%)	276	238	230	233	260	330	342	342	292	186	152	147

Alternative 1A,1B,1C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-35	-5	0	0	0	-2	0	0	-37	-202	-142	-37
20%	-168	-80	-7	-3	-5	0	0	0	-108	-232	-231	-94
30%	-198	-161	-69	-7	-1	-1	0	-14	-168	-231	-248	-148
40%	-229	-177	-91	-22	-4	1	0	-56	-227	-242	-250	-186
50%	-246	-198	-134	-63	-21	-3	-2	-110	-314	-251	-207	-179
60%	-178	-152	-131	-75	-49	-7	-52	-166	-271	-253	-201	-171
70%	-140	-140	-117	-65	-61	-31	-70	-168	-192	-214	-164	-142
80%	-134	-148	-117	-93	-70	-46	-116	-189	-213	-157	-127	-122
90%	-186	-164	-93	-134	-58	-67	-73	-122	-146	-179	-200	-180
Long Term												
Full Simulation Period[a]	-151	-121	-81	-50	-32	-22	-38	-86	-173	-206	-180	-125
Water Year Types[b]												
Wet (32%)	-144	-103	-27	-7	3	2	-6	-32	-125	-213	-191	-93
Above Normal (15%)	-143	-105	-72	-21	-9	6	-3	-67	-205	-250	-243	-188
Below Normal (17%)	-137	-126	-107	-65	-21	-9	-19	-82	-217	-218	-200	-160
Dry (22%)	-179	-145	-117	-94	-76	-52	-87	-163	-227	-202	-149	-125
Critical (15%)	-147	-133	-118	-91	-80	-71	-91	-106	-113	-143	-119	-92

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-3. Folsom Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 2A,2B,2C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	558	496	575	575	575	672	800	975	975	764	670	569
20%	459	434	556	571	571	667	800	975	889	671	572	508
30%	417	400	500	560	563	660	800	975	828	579	516	467
40%	395	380	432	541	555	649	800	930	755	546	484	452
50%	351	348	390	439	523	632	800	857	681	486	437	392
60%	318	316	341	403	429	613	752	767	607	420	376	351
70%	274	294	291	348	405	561	681	669	556	349	314	311
80%	198	238	253	300	354	497	589	520	410	258	234	214
90%	92	114	187	204	304	400	411	417	325	149	91	90
Long Term												
Full Simulation Period[a]	346	337	383	426	461	575	692	769	658	472	415	371
Water Year Types[b]												
Wet (32%)	387	394	498	515	505	635	789	936	846	667	583	483
Above Normal (15%)	343	319	367	498	520	648	795	899	758	500	447	406
Below Normal (17%)	355	343	350	437	518	620	770	858	716	492	433	418
Dry (22%)	328	320	355	375	452	568	657	658	518	360	320	306
Critical (15%)	278	249	231	228	256	327	343	343	293	168	142	136

Alternative 2A,2B,2C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-94	-79	0	0	0	0	0	0	0	-186	-130	-81
20%	-183	-141	-19	-4	-2	0	0	0	-86	-220	-228	-142
30%	-215	-175	-71	-10	0	1	0	0	-147	-227	-251	-183
40%	-209	-188	-114	-19	1	4	0	-45	-220	-235	-241	-198
50%	-232	-195	-126	-82	-13	-3	0	-118	-294	-265	-222	-221
60%	-162	-143	-135	-79	-77	-9	-48	-162	-267	-247	-201	-181
70%	-136	-126	-113	-84	-61	-40	-74	-155	-187	-205	-162	-141
80%	-164	-136	-105	-85	-72	-66	-94	-214	-230	-211	-156	-167
90%	-209	-183	-99	-114	-55	-64	-87	-102	-174	-227	-235	-220
Long Term												
Full Simulation Period[a]	-158	-130	-84	-53	-32	-23	-35	-80	-165	-212	-185	-154
Water Year Types[b]												
Wet (32%)	-172	-126	-29	-8	3	2	-5	-30	-120	-209	-187	-152
Above Normal (15%)	-131	-114	-78	-28	-11	6	-1	-69	-194	-260	-250	-216
Below Normal (17%)	-156	-148	-128	-78	-25	-19	-19	-76	-197	-218	-210	-171
Dry (22%)	-168	-141	-113	-85	-70	-50	-74	-148	-223	-212	-157	-135
Critical (15%)	-145	-121	-118	-96	-84	-75	-90	-105	-112	-161	-129	-103

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-4. Folsom Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	617	575	575	575	575	670	800	975	953	765	666	621
20%	480	501	568	571	566	667	800	975	870	670	576	557
30%	424	417	510	560	562	659	800	968	815	566	515	496
40%	379	385	453	521	556	647	800	919	747	531	476	458
50%	343	339	395	463	523	630	799	867	673	499	441	423
60%	308	322	345	394	460	615	760	761	602	412	378	363
70%	288	284	287	367	409	588	678	664	523	352	315	316
80%	249	240	250	278	362	511	585	558	440	288	265	258
90%	90	107	186	192	294	410	415	390	362	171	115	90
Long Term												
Full Simulation Period[a]	356	347	387	426	464	578	691	766	655	475	418	397
Water Year Types[b]												
Wet (32%)	412	414	496	515	505	635	788	934	846	666	582	544
Above Normal (15%)	335	328	374	505	522	648	793	903	751	509	454	433
Below Normal (17%)	370	360	363	431	528	629	775	852	697	488	439	424
Dry (22%)	325	321	355	370	454	572	650	647	516	358	321	310
Critical (15%)	287	245	237	232	260	330	345	344	303	185	151	144

Alternative 3 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-34	0	0	0	0	-2	0	0	-22	-185	-134	-29
20%	-162	-74	-7	-4	-7	0	0	0	-105	-221	-224	-93
30%	-209	-158	-61	-10	-1	0	0	-7	-160	-241	-253	-154
40%	-225	-183	-93	-39	2	2	0	-56	-228	-249	-249	-192
50%	-240	-204	-122	-58	-13	-4	-1	-108	-302	-252	-218	-190
60%	-173	-137	-131	-87	-46	-7	-40	-168	-272	-255	-199	-169
70%	-122	-135	-117	-64	-57	-13	-77	-160	-220	-202	-161	-136
80%	-113	-134	-109	-107	-65	-52	-97	-176	-199	-181	-126	-123
90%	-211	-190	-99	-126	-65	-54	-83	-129	-137	-204	-211	-220
Long Term												
Full Simulation Period[a]	-149	-120	-81	-53	-29	-21	-35	-84	-169	-209	-182	-128
Water Year Types[b]												
Wet (32%)	-147	-106	-31	-8	3	2	-6	-33	-120	-210	-188	-92
Above Normal (15%)	-139	-105	-71	-21	-8	6	-2	-65	-201	-251	-243	-189
Below Normal (17%)	-141	-131	-114	-84	-15	-11	-15	-82	-217	-222	-204	-164
Dry (22%)	-171	-140	-114	-90	-68	-46	-81	-159	-225	-214	-156	-132
Critical (15%)	-136	-126	-112	-92	-80	-71	-88	-104	-102	-144	-120	-95

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-5. Folsom Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 4 H1 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	600	559	575	575	575	670	800	975	975	744	674	624
20%	522	517	568	574	571	667	800	975	885	657	567	554
30%	449	446	510	565	563	660	800	975	837	583	529	506
40%	398	401	476	541	556	649	800	937	752	549	478	463
50%	349	364	418	463	524	634	800	883	694	472	430	421
60%	320	319	354	425	445	617	766	780	614	410	378	360
70%	289	302	307	382	421	577	687	679	526	359	321	317
80%	249	264	268	313	375	505	596	575	421	301	276	261
90%	99	112	195	215	306	423	434	439	367	165	91	101
Long Term												
Full Simulation Period[a]	367	361	398	437	471	583	698	780	662	476	417	394
Water Year Types[b]												
Wet (32%)	421	429	510	519	505	636	789	939	851	663	581	541
Above Normal (15%)	353	339	385	507	525	648	794	913	774	510	445	424
Below Normal (17%)	377	369	368	450	530	629	778	864	692	476	416	401
Dry (22%)	329	330	360	383	464	579	663	672	531	367	325	311
Critical (15%)	308	272	259	259	284	354	366	364	297	204	175	163

Alternative 4 H1 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-52	-16	0	0	0	-2	0	0	0	-206	-126	-26
20%	-120	-58	-7	0	-1	0	0	0	-90	-233	-233	-96
30%	-183	-129	-60	-5	0	1	0	0	-138	-224	-238	-144
40%	-206	-167	-70	-19	3	4	0	-38	-223	-232	-247	-187
50%	-234	-180	-99	-58	-12	0	0	-92	-281	-279	-229	-191
60%	-160	-140	-122	-56	-61	-5	-34	-149	-260	-258	-198	-172
70%	-122	-118	-97	-49	-45	-24	-68	-145	-218	-195	-155	-135
80%	-112	-110	-91	-72	-51	-57	-87	-159	-218	-168	-114	-121
90%	-202	-185	-90	-103	-53	-41	-64	-80	-132	-211	-235	-209
Long Term												
Full Simulation Period[a]	-138	-107	-70	-42	-23	-15	-28	-70	-162	-207	-183	-131
Water Year Types[b]												
Wet (32%)	-138	-91	-17	-4	3	3	-5	-27	-115	-214	-189	-95
Above Normal (15%)	-121	-94	-60	-19	-6	6	-2	-55	-178	-250	-252	-198
Below Normal (17%)	-134	-121	-110	-65	-13	-10	-11	-70	-221	-235	-227	-187
Dry (22%)	-167	-131	-108	-78	-58	-39	-68	-134	-210	-204	-152	-131
Critical (15%)	-116	-99	-90	-65	-55	-47	-67	-84	-108	-124	-96	-76

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-4-6. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 4 H2 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	600	559	575	575	575	672	800	975	975	780	668	639
20%	538	518	574	572	575	667	800	975	971	696	600	581
30%	502	489	520	561	563	662	800	975	871	649	546	530
40%	428	417	488	541	559	655	800	969	808	592	520	497
50%	394	390	437	488	535	636	800	913	736	528	460	433
60%	345	338	385	446	470	621	796	783	704	472	412	383
70%	314	325	308	390	428	591	691	736	604	401	369	348
80%	285	289	271	319	392	526	636	592	473	359	315	298
90%	114	113	231	254	327	445	452	455	414	220	158	139
Long Term												
Full Simulation Period[a]	394	380	411	447	478	589	705	795	712	518	449	422
Water Year Types[b]												
Wet (32%)	448	442	508	519	505	635	789	943	889	700	611	568
Above Normal (15%)	370	350	392	507	524	648	795	921	830	569	498	479
Below Normal (17%)	404	393	392	468	537	636	786	899	793	558	477	454
Dry (22%)	368	363	390	404	481	591	677	694	569	393	345	326
Critical (15%)	327	290	275	273	299	369	383	382	328	210	170	157

Alternative 4 H2 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-52	-16	0	0	0	0	0	0	0	-170	-132	-11
20%	-104	-57	-1	-3	2	0	0	0	-4	-194	-200	-69
30%	-130	-86	-51	-9	0	3	0	0	-104	-157	-222	-120
40%	-175	-151	-58	-19	6	10	0	-6	-167	-189	-205	-153
50%	-189	-154	-79	-33	-1	2	0	-62	-239	-223	-199	-180
60%	-135	-121	-91	-35	-36	-1	-4	-146	-170	-196	-165	-149
70%	-97	-95	-96	-41	-39	-11	-64	-88	-139	-153	-107	-104
80%	-76	-85	-88	-65	-35	-37	-47	-142	-167	-110	-76	-83
90%	-187	-183	-55	-64	-32	-19	-46	-64	-85	-156	-168	-171
Long Term												
Full Simulation Period[a]	-111	-87	-56	-32	-16	-9	-21	-55	-112	-166	-152	-103
Water Year Types[b]												
Wet (32%)	-111	-78	-19	-4	3	2	-5	-24	-77	-176	-159	-68
Above Normal (15%)	-104	-83	-53	-19	-7	6	-1	-47	-122	-190	-199	-144
Below Normal (17%)	-107	-98	-85	-47	-6	-3	-3	-34	-120	-152	-166	-134
Dry (22%)	-128	-98	-78	-56	-41	-27	-54	-112	-172	-179	-132	-115
Critical (15%)	-96	-80	-74	-51	-41	-32	-50	-66	-77	-118	-100	-82

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-4-7. Folsom Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	555	512	575	575	575	670	800	975	975	764	677	558
20%	444	431	549	573	574	667	800	975	886	678	584	503
30%	422	400	500	563	563	659	800	975	839	581	520	464
40%	377	380	430	541	556	649	800	937	753	542	474	447
50%	345	345	382	437	523	632	800	873	691	476	437	389
60%	323	313	341	395	430	617	769	781	640	411	379	349
70%	287	297	302	359	404	561	681	677	557	361	319	313
80%	220	243	257	298	362	509	588	561	412	329	275	236
90%	90	100	188	206	283	383	401	411	331	157	90	90
Long Term												
Full Simulation Period[a]	345	337	385	428	463	577	693	774	666	475	417	371
Water Year Types[b]												
Wet (32%)	390	396	500	515	505	635	789	938	856	669	587	485
Above Normal (15%)	335	313	361	495	518	648	795	913	775	508	443	405
Below Normal (17%)	345	339	351	438	523	622	775	864	724	488	431	417
Dry (22%)	330	322	357	378	455	571	657	662	519	358	318	302
Critical (15%)	281	251	239	233	262	332	346	346	299	182	152	143

Alternative 4 H3 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-96	-63	0	0	0	-2	0	0	0	-186	-123	-92
20%	-198	-144	-26	-2	1	0	0	0	-89	-213	-216	-147
30%	-210	-175	-71	-7	0	0	0	0	-136	-225	-247	-186
40%	-226	-188	-116	-19	2	3	0	-38	-222	-238	-251	-203
50%	-238	-198	-134	-84	-13	-3	0	-102	-284	-275	-222	-224
60%	-157	-146	-135	-86	-76	-6	-31	-148	-234	-256	-198	-183
70%	-123	-123	-102	-72	-62	-40	-74	-147	-187	-193	-157	-139
80%	-141	-130	-102	-87	-64	-54	-94	-172	-227	-141	-115	-145
90%	-211	-197	-98	-112	-76	-82	-97	-109	-169	-219	-236	-220
Long Term												
Full Simulation Period[a]	-160	-131	-83	-51	-30	-22	-33	-75	-157	-209	-183	-154
Water Year Types[b]												
Wet (32%)	-169	-124	-27	-8	3	3	-5	-29	-110	-208	-183	-151
Above Normal (15%)	-139	-119	-84	-31	-13	6	-1	-54	-177	-251	-254	-218
Below Normal (17%)	-166	-152	-127	-77	-20	-17	-15	-69	-189	-222	-212	-172
Dry (22%)	-166	-139	-111	-82	-67	-47	-74	-144	-222	-214	-159	-139
Critical (15%)	-142	-119	-110	-90	-78	-69	-87	-102	-106	-147	-118	-96

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-4-8. Folsom Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 4 H4 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	575	517	575	575	575	672	800	975	975	787	683	574
20%	474	447	564	572	574	667	800	975	971	702	604	514
30%	431	404	502	561	563	662	800	975	877	650	546	472
40%	386	381	446	541	556	652	800	973	824	593	512	423
50%	366	364	389	449	523	634	800	914	742	540	459	396
60%	322	333	349	414	456	618	787	788	692	454	387	356
70%	310	303	297	361	411	578	691	716	607	376	335	331
80%	246	268	266	317	381	519	608	575	470	336	309	235
90%	128	129	221	253	344	411	419	444	380	216	128	136
Long Term												
Full Simulation Period[a]	360	351	394	436	471	584	701	792	706	515	441	380
Water Year Types[b]												
Wet (32%)	402	406	497	515	505	635	789	942	889	695	606	468
Above Normal (15%)	331	313	363	490	514	648	795	924	829	568	488	436
Below Normal (17%)	362	355	366	449	527	629	780	896	790	559	474	450
Dry (22%)	352	342	374	392	472	584	673	688	560	393	337	314
Critical (15%)	305	275	262	261	286	356	370	369	307	205	157	148

Alternative 4 H4 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-76	-58	0	0	0	0	0	0	0	-163	-117	-76
20%	-168	-128	-11	-3	1	0	0	0	-4	-189	-196	-136
30%	-201	-171	-69	-9	0	3	0	0	-98	-157	-221	-178
40%	-217	-187	-100	-19	2	7	0	-2	-151	-188	-213	-227
50%	-217	-180	-128	-72	-13	0	0	-61	-232	-211	-200	-217
60%	-158	-126	-127	-67	-50	-4	-13	-141	-182	-214	-189	-176
70%	-101	-116	-107	-70	-56	-24	-64	-108	-137	-178	-141	-121
80%	-115	-106	-93	-68	-46	-44	-74	-159	-169	-134	-82	-146
90%	-173	-168	-64	-65	-15	-54	-79	-75	-119	-160	-198	-174
Long Term												
Full Simulation Period[a]	-145	-116	-74	-43	-23	-14	-25	-58	-118	-169	-159	-145
Water Year Types[b]												
Wet (32%)	-157	-113	-30	-8	3	3	-5	-24	-77	-181	-164	-167
Above Normal (15%)	-143	-119	-82	-36	-17	6	-1	-44	-123	-192	-209	-186
Below Normal (17%)	-149	-135	-111	-66	-16	-11	-10	-38	-124	-151	-169	-139
Dry (22%)	-144	-119	-94	-68	-50	-34	-58	-118	-181	-179	-140	-127
Critical (15%)	-118	-95	-87	-63	-54	-45	-63	-79	-98	-124	-113	-91

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-4-9. Folsom Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 5 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	540	487	575	575	575	672	800	975	975	783	686	548
20%	454	432	543	571	566	667	800	975	892	671	594	486
30%	416	401	492	558	561	660	800	975	847	584	508	463
40%	361	379	442	539	548	648	800	935	760	542	476	440
50%	339	342	388	440	523	632	800	896	724	495	434	387
60%	295	311	351	402	445	608	770	783	660	417	379	342
70%	266	292	304	363	406	560	684	673	569	349	304	289
80%	247	249	256	303	360	505	595	557	424	308	260	242
90%	90	99	190	237	310	397	418	428	362	140	90	90
Long Term												
Full Simulation Period[a]	341	333	385	429	465	578	694	779	674	472	417	363
Water Year Types[b]												
Wet (32%)	386	393	501	515	505	635	789	940	868	669	593	472
Above Normal (15%)	323	307	357	494	517	648	795	919	795	546	479	419
Below Normal (17%)	324	319	339	429	519	622	775	871	738	499	433	418
Dry (22%)	336	328	362	385	459	570	652	662	518	329	294	282
Critical (15%)	286	252	246	244	275	344	356	355	294	157	137	128

Alternative 5 (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-112	-88	0	0	0	0	0	0	0	-167	-114	-102
20%	-188	-143	-32	-4	-7	0	0	0	-83	-220	-206	-164
30%	-216	-174	-78	-12	-2	1	0	0	-128	-222	-259	-187
40%	-243	-189	-104	-21	-6	3	0	-40	-215	-238	-249	-210
50%	-244	-201	-128	-81	-13	-3	0	-79	-251	-256	-225	-226
60%	-186	-148	-125	-80	-61	-14	-30	-146	-214	-250	-198	-190
70%	-144	-128	-100	-68	-60	-41	-71	-151	-174	-205	-172	-163
80%	-114	-124	-103	-81	-66	-58	-88	-176	-216	-161	-131	-139
90%	-211	-197	-95	-81	-50	-68	-80	-91	-137	-236	-236	-220
Long Term												
Full Simulation Period[a]	-164	-134	-83	-50	-28	-20	-33	-71	-149	-212	-183	-162
Water Year Types[b]												
Wet (32%)	-172	-127	-26	-8	3	2	-5	-26	-98	-208	-177	-163
Above Normal (15%)	-151	-126	-88	-32	-14	6	-1	-49	-156	-214	-218	-203
Below Normal (17%)	-187	-172	-138	-86	-24	-17	-15	-62	-175	-211	-210	-171
Dry (22%)	-160	-132	-106	-75	-63	-48	-79	-143	-223	-242	-183	-159
Critical (15%)	-137	-118	-103	-80	-64	-58	-77	-93	-111	-171	-133	-112

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-10. Folsom Lake, End of Month Storage

Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 6A,6B,6C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	532	489	575	575	575	670	800	975	975	776	607	570
20%	491	464	568	571	571	667	800	975	919	699	592	519
30%	436	417	506	560	563	660	800	975	871	642	555	493
40%	399	390	455	533	557	652	800	956	800	589	508	456
50%	375	375	392	446	528	634	800	904	751	521	443	416
60%	349	343	362	412	439	621	771	819	683	472	422	394
70%	330	324	310	355	411	574	712	716	635	412	367	352
80%	258	268	269	298	378	473	612	589	486	360	328	309
90%	100	113	195	231	274	410	457	427	370	273	99	101
Long Term												
Full Simulation Period[a]	367	353	394	431	465	578	700	788	706	512	438	399
Water Year Types[b]												
Wet (32%)	429	423	509	515	505	635	788	937	878	673	575	500
Above Normal (15%)	369	342	384	495	518	648	795	921	815	566	499	456
Below Normal (17%)	348	341	357	445	521	622	779	883	787	576	484	457
Dry (22%)	352	344	371	382	463	572	672	693	573	401	346	332
Critical (15%)	277	241	236	242	266	344	364	363	329	198	162	156

Alternative 6A,6B,6C (LLT) minus Existing Condition

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-120	-86	0	0	0	-2	0	0	0	-174	-193	-80
20%	-151	-111	-7	-4	-2	0	0	0	-56	-192	-208	-131
30%	-197	-158	-64	-10	0	1	0	0	-104	-164	-213	-157
40%	-204	-178	-91	-27	3	7	0	-19	-175	-191	-216	-194
50%	-208	-168	-125	-75	-8	0	0	-71	-224	-230	-216	-197
60%	-131	-116	-114	-69	-67	-1	-29	-110	-191	-195	-155	-138
70%	-81	-96	-94	-77	-56	-27	-43	-108	-108	-142	-109	-100
80%	-104	-105	-89	-86	-49	-90	-71	-145	-154	-109	-63	-72
90%	-201	-184	-91	-87	-85	-55	-42	-92	-129	-103	-227	-209
Long Term												
Full Simulation Period[a]	-138	-114	-73	-48	-28	-20	-27	-62	-117	-172	-163	-126
Water Year Types[b]												
Wet (32%)	-130	-97	-18	-8	3	2	-5	-29	-88	-203	-195	-135
Above Normal (15%)	-105	-91	-61	-31	-13	6	-1	-47	-137	-194	-198	-166
Below Normal (17%)	-163	-149	-121	-70	-22	-17	-11	-50	-126	-134	-159	-132
Dry (22%)	-144	-116	-98	-78	-59	-46	-59	-113	-168	-170	-131	-109
Critical (15%)	-146	-129	-113	-82	-74	-57	-69	-85	-76	-131	-108	-83

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-11. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 7 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	541	499	575	575	575	670	800	975	975	766	670	551
20%	479	440	558	571	571	667	800	975	895	689	587	507
30%	411	407	498	562	563	661	800	975	841	594	508	449
40%	383	373	435	541	558	652	800	955	771	546	455	415
50%	350	346	396	434	526	634	800	909	726	485	421	390
60%	319	319	356	396	436	617	796	817	660	427	387	353
70%	298	301	302	356	409	580	698	721	600	364	327	313
80%	203	188	246	272	359	497	602	558	456	314	270	228
90%	90	115	167	204	265	376	396	410	351	157	97	93
Long Term												
Full Simulation Period[a]	346	334	384	426	462	576	699	785	684	482	417	369
Water Year Types[b]												
Wet (32%)	406	407	505	515	505	635	789	939	860	673	591	484
Above Normal (15%)	347	321	368	498	520	648	795	918	784	525	464	424
Below Normal (17%)	342	330	353	439	519	621	780	886	756	505	418	403
Dry (22%)	330	322	357	376	456	572	673	693	566	369	310	289
Critical (15%)	247	215	212	219	253	329	350	341	299	169	154	142

Alternative 7 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-111**	**-76**	0	0	0	**-2**	0	0	**0**	**-184**	**-130**	**-99**
20%	**-163**	**-135**	**-17**	**-4**	**-2**	0	0	0	**-80**	**-201**	**-213**	**-143**
30%	**-221**	**-168**	**-72**	**-8**	0	2	0	0	**-134**	**-212**	**-259**	**-201**
40%	**-221**	**-195**	**-111**	**-19**	4	7	0	**-20**	**-204**	**-234**	**-270**	**-235**
50%	**-233**	**-198**	**-121**	**-87**	**-10**	0	0	**-66**	**-249**	**-267**	**-238**	**-223**
60%	**-161**	**-140**	**-120**	**-85**	**-70**	**-5**	**-4**	**-112**	**-214**	**-241**	**-190**	**-179**
70%	**-113**	**-119**	**-102**	**-76**	**-57**	**-21**	**-57**	**-103**	**-143**	**-190**	**-149**	**-139**
80%	**-159**	**-186**	**-112**	**-113**	**-67**	**-66**	**-81**	**-176**	**-184**	**-156**	**-121**	**-153**
90%	**-211**	**-182**	**-118**	**-114**	**-95**	**-89**	**-102**	**-109**	**-148**	**-219**	**-229**	**-217**
Long Term												
Full Simulation Period[a]	**-158**	**-133**	**-84**	**-53**	**-32**	**-22**	**-28**	**-64**	**-139**	**-202**	**-183**	**-157**
Water Year Types[b]												
Wet (32%)	**-153**	**-113**	**-22**	**-8**	3	2	**-5**	**-27**	**-106**	**-204**	**-179**	**-151**
Above Normal (15%)	**-128**	**-111**	**-77**	**-28**	**-11**	6	**-1**	**-50**	**-168**	**-235**	**-233**	**-199**
Below Normal (17%)	**-169**	**-161**	**-124**	**-76**	**-24**	**-18**	**-10**	**-47**	**-157**	**-205**	**-225**	**-186**
Dry (22%)	**-166**	**-139**	**-112**	**-84**	**-66**	**-46**	**-57**	**-113**	**-175**	**-203**	**-167**	**-153**
Critical (15%)	**-177**	**-155**	**-137**	**-105**	**-87**	**-73**	**-83**	**-107**	**-106**	**-160**	**-117**	**-98**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-12. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 8 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	597	572	575	575	575	670	800	975	975	758	708	619
20%	497	492	571	571	574	667	800	974	866	731	670	568
30%	464	448	515	558	563	658	800	900	804	695	630	497
40%	383	375	463	514	556	649	782	850	731	601	527	419
50%	345	339	397	459	514	632	761	808	699	560	423	373
60%	309	319	351	416	449	608	732	731	658	392	356	345
70%	268	281	302	344	421	575	688	700	592	314	289	266
80%	131	175	247	290	351	531	581	538	328	277	245	214
90%	90	90	163	230	268	392	425	300	293	178	90	90
Long Term												
Full Simulation Period[a]	348	345	388	424	459	579	681	728	636	501	434	373
Water Year Types[b]												
Wet (32%)	421	423	505	514	505	636	785	923	865	729	656	522
Above Normal (15%)	318	311	358	461	480	633	783	904	785	634	565	477
Below Normal (17%)	352	357	376	450	525	627	754	782	686	509	410	396
Dry (22%)	337	330	364	384	461	586	644	599	460	310	256	245
Critical (15%)	233	214	215	224	261	336	324	262	199	152	117	114

Alternative 8 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-54	-3	0	0	0	-2	0	0	0	-192	-92	-31
20%	-145	-83	-4	-4	1	0	0	-1	-109	-159	-130	-82
30%	-168	-127	-56	-12	0	-1	0	-75	-171	-112	-137	-153
40%	-221	-193	-83	-46	2	4	-18	-125	-244	-180	-198	-231
50%	-238	-204	-120	-62	-22	-3	-39	-167	-276	-191	-236	-240
60%	-172	-140	-125	-65	-58	-14	-68	-198	-216	-276	-221	-187
70%	-143	-139	-102	-87	-46	-26	-67	-124	-151	-240	-187	-186
80%	-230	-199	-112	-95	-76	-32	-102	-196	-311	-192	-145	-167
90%	-211	-207	-123	-88	-91	-73	-73	-219	-206	-197	-236	-220
Long Term												
Full Simulation Period[a]	-156	-123	-80	-55	-34	-19	-46	-122	-187	-183	-166	-152
Water Year Types[b]												
Wet (32%)	-138	-96	-22	-8	3	4	-9	-44	-101	-148	-114	-114
Above Normal (15%)	-156	-121	-87	-65	-51	-9	-12	-64	-167	-126	-132	-145
Below Normal (17%)	-159	-134	-102	-65	-18	-13	-35	-151	-227	-202	-233	-193
Dry (22%)	-159	-131	-105	-76	-61	-32	-87	-207	-281	-262	-221	-196
Critical (15%)	-190	-156	-134	-100	-79	-65	-109	-186	-206	-176	-153	-125

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-13. Folsom Lake, End of Month Storage

Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	652	575	575	575	575	672	800	975	975	950	800	650
20%	642	575	575	575	573	667	800	975	975	891	800	650
30%	632	575	571	570	563	659	800	975	975	807	767	650
40%	603	568	546	560	553	645	800	975	975	781	725	650
50%	583	544	516	521	536	634	800	975	975	751	659	613
60%	480	459	476	481	506	622	800	929	874	667	577	532
70%	411	420	404	431	467	601	755	824	743	554	476	452
80%	361	374	359	385	427	563	682	734	640	469	391	381
90%	301	297	285	318	359	465	498	519	499	376	326	310
Long Term												
Full Simulation Period[a]	505	467	468	479	494	598	727	850	823	684	600	525
Water Year Types[b]												
Wet (32%)	559	520	527	523	502	633	794	966	966	876	770	636
Above Normal (15%)	474	432	445	526	531	642	796	968	952	760	697	623
Below Normal (17%)	511	491	478	515	543	639	790	934	913	710	643	589
Dry (22%)	496	461	469	460	522	618	731	806	741	572	477	441
Critical (15%)	423	370	349	324	340	401	433	448	405	329	270	240

Alternative 9 (LLT)

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	554	468	575	575	575	672	800	975	975	788	685	593
20%	478	427	539	572	572	667	800	975	959	716	638	505
30%	429	406	491	561	563	662	800	975	885	650	564	470
40%	397	390	430	532	555	653	800	956	808	601	499	435
50%	375	361	397	448	525	634	800	899	737	532	444	407
60%	338	345	351	406	462	617	771	793	649	450	401	383
70%	301	320	305	349	412	589	699	667	573	374	345	322
80%	273	265	276	301	361	511	553	560	449	334	303	285
90%	100	114	202	244	316	411	424	428	380	225	137	96
Long Term												
Full Simulation Period[a]	368	348	394	435	470	582	696	778	695	519	452	390
Water Year Types[b]												
Wet (32%)	417	406	506	515	505	635	789	941	890	705	624	489
Above Normal (15%)	338	316	363	494	515	648	795	927	819	567	504	448
Below Normal (17%)	366	351	368	449	532	633	779	870	766	567	477	438
Dry (22%)	361	342	369	389	466	579	653	652	527	388	338	322
Critical (15%)	302	258	248	252	281	347	364	356	319	208	169	161

Alternative 9 (LLT) minus Existing Condition

Statistic	End of Month Storage (TAF)											
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	**-97**	**-107**	0	0	0	**0**	0	0	0	**-162**	**-115**	**-57**
20%	**-164**	**-148**	**-36**	**-3**	**-1**	0	0	0	**-16**	**-174**	**-162**	**-145**
30%	**-203**	**-169**	**-79**	**-9**	0	3	0	0	**-90**	**-157**	**-204**	**-180**
40%	**-207**	**-178**	**-116**	**-28**	1	8	0	**-19**	**-167**	**-179**	**-226**	**-215**
50%	**-208**	**-182**	**-120**	**-73**	**-11**	0	0	**-76**	**-238**	**-219**	**-215**	**-206**
60%	**-142**	**-114**	**-125**	**-75**	**-44**	**-5**	**-29**	**-136**	**-225**	**-217**	**-176**	**-150**
70%	**-110**	**-100**	**-99**	**-82**	**-54**	**-12**	**-56**	**-157**	**-170**	**-180**	**-131**	**-130**
80%	**-89**	**-108**	**-83**	**-83**	**-65**	**-52**	**-130**	**-173**	**-191**	**-135**	**-87**	**-96**
90%	**-201**	**-183**	**-84**	**-74**	**-44**	**-54**	**-74**	**-91**	**-119**	**-150**	**-189**	**-214**
Long Term												
Full Simulation Period[a]	**-137**	**-119**	**-74**	**-45**	**-24**	**-16**	**-31**	**-72**	**-128**	**-165**	**-148**	**-135**
Water Year Types[b]												
Wet (32%)	**-141**	**-114**	**-21**	**-8**	3	2	**-5**	**-26**	**-76**	**-172**	**-146**	**-147**
Above Normal (15%)	**-136**	**-117**	**-82**	**-32**	**-15**	6	**0**	**-41**	**-133**	**-193**	**-194**	**-175**
Below Normal (17%)	**-145**	**-139**	**-110**	**-66**	**-11**	**-6**	**-10**	**-63**	**-147**	**-143**	**-165**	**-150**
Dry (22%)	**-135**	**-118**	**-99**	**-71**	**-56**	**-39**	**-78**	**-154**	**-214**	**-184**	**-139**	**-120**
Critical (15%)	**-122**	**-112**	**-101**	**-72**	**-59**	**-54**	**-69**	**-93**	**-86**	**-121**	**-101**	**-79**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-14. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 1A,1B,1C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	617	570	575	575	575	670	800	975	938	748	658	613
20%	474	495	568	572	568	667	800	975	867	659	569	556
30%	434	414	502	563	561	658	800	961	807	576	519	502
40%	374	391	455	538	549	647	800	919	748	539	475	464
50%	337	346	382	458	515	632	798	865	661	500	452	434
60%	302	307	345	406	457	616	748	763	603	414	375	361
70%	271	280	286	366	405	570	685	656	551	340	312	310
80%	228	226	242	291	357	517	566	545	426	312	264	259
90%	115	133	193	184	301	398	425	397	353	197	126	130
Long Term												
Full Simulation Period[a]	354	346	387	429	461	577	689	764	650	477	420	400
Water Year Types[b]												
Wet (32%)	415	417	500	516	505	635	788	934	841	664	579	543
Above Normal (15%)	332	327	373	505	521	648	793	901	746	510	454	435
Below Normal (17%)	374	364	370	450	522	630	770	851	696	493	443	428
Dry (22%)	318	316	351	366	446	566	644	643	514	370	328	316
Critical (15%)	276	238	230	233	260	330	342	342	292	186	152	147

Alternative 1A,1B,1C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	69	76	0	0	0	-2	0	0	-37	-49	-60	38
20%	1	71	22	0	-2	0	0	0	-94	-57	-51	30
30%	19	15	10	2	-1	-2	0	-14	-71	-42	-28	34
40%	-6	15	25	8	-6	-2	0	-51	-73	-43	-16	44
50%	-12	-5	-7	0	-4	3	-2	-52	-109	-27	24	48
60%	-16	-23	-1	-6	-17	4	-49	-72	-89	-29	-20	8
70%	-21	-19	-19	19	-11	0	-1	-50	-50	-32	-20	-6
80%	-15	-33	-13	-22	-3	15	-38	-40	-16	-9	-21	0
90%	22	18	-19	-49	-29	-4	-6	-67	-58	16	36	38
Long Term												
Full Simulation Period[a]	0	5	-1	-2	-7	-4	-9	-27	-62	-32	-19	21
Water Year Types[b]												
Wet (32%)	15	16	0	1	0	0	-1	-9	-61	-41	-43	58
Above Normal (15%)	-9	16	16	17	5	0	-3	-29	-79	-37	-28	4
Below Normal (17%)	23	27	17	12	0	6	-5	-39	-92	-51	-8	6
Dry (22%)	-22	-20	-20	-20	-25	-13	-20	-48	-46	-6	9	10
Critical (15%)	-15	-16	-15	-15	-18	-14	-17	-18	-32	-24	-13	-12

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-15. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 2A,2B,2C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	558	496	575	575	575	672	800	975	975	764	670	569
20%	459	434	556	571	571	667	800	975	889	671	572	508
30%	417	400	500	560	563	660	800	975	828	579	516	467
40%	395	380	432	541	555	649	800	930	755	546	484	452
50%	351	348	390	439	523	632	800	857	681	486	437	392
60%	318	316	341	403	429	613	752	767	607	420	376	351
70%	274	294	291	348	405	561	681	669	556	349	314	311
80%	198	238	253	300	354	497	589	520	410	258	234	214
90%	92	114	187	204	304	400	411	417	325	149	91	90
Long Term												
Full Simulation Period[a]	346	337	383	426	461	575	692	769	658	472	415	371
Water Year Types[b]												
Wet (32%)	387	394	498	515	505	635	789	936	846	667	583	483
Above Normal (15%)	343	319	367	498	520	648	795	899	758	500	447	406
Below Normal (17%)	355	343	350	437	518	620	770	858	716	492	433	418
Dry (22%)	328	320	355	375	452	568	657	658	518	360	320	306
Critical (15%)	278	249	231	228	256	327	343	343	293	168	142	136

Alternative 2A,2B,2C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	9	2	0	0	0	0	0	0	0	-34	-48	-7
20%	-13	10	11	-1	2	0	0	0	-73	-45	-48	-18
30%	2	0	7	-1	0	0	0	0	-49	-39	-31	-2
40%	15	4	3	12	0	0	0	-40	-67	-35	-7	32
50%	3	-2	1	-19	5	3	0	-59	-89	-40	10	6
60%	0	-14	-4	-9	-45	2	-45	-68	-86	-23	-20	-3
70%	-18	-4	-15	1	-11	-9	-5	-37	-45	-23	-18	-6
80%	-45	-21	-2	-14	-6	-5	-16	-66	-33	-63	-51	-44
90%	0	-1	-26	-29	-26	-1	-20	-46	-85	-31	1	-1
Long Term												
Full Simulation Period[a]	-8	-4	-5	-5	-7	-6	-5	-22	-54	-37	-24	-8
Water Year Types[b]												
Wet (32%)	-14	-7	-2	0	0	0	0	-7	-56	-38	-40	-1
Above Normal (15%)	2	8	9	9	4	0	0	-30	-68	-46	-35	-24
Below Normal (17%)	4	5	-4	-2	-4	-4	-5	-33	-72	-51	-18	-5
Dry (22%)	-11	-16	-16	-11	-19	-11	-8	-33	-42	-16	1	0
Critical (15%)	-12	-4	-14	-21	-22	-18	-16	-17	-31	-42	-24	-23

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-16. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	617	575	575	575	575	670	800	975	953	765	666	621
20%	480	501	568	571	566	667	800	975	870	670	576	557
30%	424	417	510	560	562	659	800	968	815	566	515	496
40%	379	385	453	521	556	647	800	919	747	531	476	458
50%	343	339	395	463	523	630	799	867	673	499	441	423
60%	308	322	345	394	460	615	760	761	602	412	378	363
70%	288	284	287	367	409	588	678	664	523	352	315	316
80%	249	240	250	278	362	511	585	558	440	288	265	258
90%	90	107	186	192	294	410	415	390	362	171	115	90
Long Term												
Full Simulation Period[a]	356	347	387	426	464	578	691	766	655	475	418	397
Water Year Types[b]												
Wet (32%)	412	414	496	515	505	635	788	934	846	666	582	544
Above Normal (15%)	335	328	374	505	522	648	793	903	751	509	454	433
Below Normal (17%)	370	360	363	431	528	629	775	852	697	488	439	424
Dry (22%)	325	321	355	370	454	572	650	647	516	358	321	310
Critical (15%)	287	245	237	232	260	330	345	344	303	185	151	144

Alternative 3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	69	81	0	0	0	-2	0	0	-22	-33	-52	45
20%	7	77	22	-1	-4	0	0	0	-91	-46	-44	31
30%	9	17	17	-2	0	-1	0	-7	-63	-52	-33	28
40%	-1	9	24	-8	1	-2	0	-51	-75	-50	-16	38
50%	-5	-12	6	6	5	1	-1	-50	-97	-28	13	38
60%	-11	-8	-1	-17	-14	4	-36	-75	-91	-30	-18	10
70%	-4	-14	-19	20	-7	18	-8	-42	-78	-21	-17	0
80%	6	-19	-5	-35	2	9	-20	-27	-2	-33	-20	0
90%	-2	-8	-26	-41	-36	8	-15	-73	-48	-9	25	-1
Long Term												
Full Simulation Period[a]	2	6	-2	-5	-5	-3	-6	-26	-57	-35	-21	18
Water Year Types[b]												
Wet (32%)	11	13	-3	0	0	0	-1	-10	-56	-38	-41	59
Above Normal (15%)	-6	17	16	16	6	0	-2	-27	-74	-38	-29	3
Below Normal (17%)	18	22	9	-7	6	5	0	-39	-92	-55	-12	2
Dry (22%)	-15	-14	-16	-17	-17	-7	-15	-44	-45	-18	2	4
Critical (15%)	-4	-9	-8	-17	-18	-14	-14	-15	-21	-25	-14	-15

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-17. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 4 H1 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	600	559	575	575	575	670	800	975	975	744	674	624
20%	522	517	568	574	571	667	800	975	885	657	567	554
30%	449	446	510	565	563	660	800	975	837	583	529	506
40%	398	401	476	541	556	649	800	937	752	549	478	463
50%	349	364	418	463	524	634	800	883	694	472	430	421
60%	320	319	354	425	445	617	766	780	614	410	378	360
70%	289	302	307	382	421	577	687	679	526	359	321	317
80%	249	264	268	313	375	505	596	575	421	301	276	261
90%	99	112	195	215	306	423	434	439	367	165	91	101
Long Term												
Full Simulation Period[a]	367	361	398	437	471	583	698	780	662	476	417	394
Water Year Types[b]												
Wet (32%)	421	429	510	519	505	636	789	939	851	663	581	541
Above Normal (15%)	353	339	385	507	525	648	794	913	774	510	445	424
Below Normal (17%)	377	369	368	450	530	629	778	864	692	476	416	401
Dry (22%)	329	330	360	383	464	579	663	672	531	367	325	311
Critical (15%)	308	272	259	259	284	354	366	364	297	204	175	163

Alternative 4 H1 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	52	65	0	0	0	-2	0	0	0	-54	-44	49
20%	50	93	22	3	2	0	0	0	-76	-59	-54	28
30%	35	46	18	4	1	0	0	0	-40	-35	-18	38
40%	18	25	46	12	1	0	0	-32	-70	-33	-14	44
50%	1	13	29	6	6	6	0	-34	-75	-55	3	36
60%	1	-11	8	13	-28	6	-30	-55	-78	-33	-17	6
70%	-3	3	1	35	5	8	1	-27	-75	-13	-11	0
80%	7	5	13	0	15	3	-9	-11	-21	-21	-9	2
90%	7	-3	-17	-18	-24	22	4	-24	-44	-15	0	10
Long Term												
Full Simulation Period[a]	13	20	9	7	2	3	1	-12	-50	-33	-22	15
Water Year Types[b]												
Wet (32%)	20	28	10	4	0	0	0	-4	-51	-42	-42	56
Above Normal (15%)	12	28	27	18	8	0	-2	-16	-51	-36	-38	-6
Below Normal (17%)	25	31	14	12	8	5	3	-27	-96	-68	-35	-21
Dry (22%)	-10	-6	-10	-4	-6	0	-2	-19	-29	-9	6	5
Critical (15%)	17	18	14	11	6	10	7	5	-27	-6	10	4

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

"Alternative 4 H1" represents the low delta outflow scenario of Alternative 4.

Table C-4-18. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 4 H2 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	600	559	575	575	575	672	800	975	975	780	668	639
20%	538	518	574	572	575	667	800	975	971	696	600	581
30%	502	489	520	561	563	662	800	975	871	649	546	530
40%	428	417	488	541	559	655	800	969	808	592	520	497
50%	394	390	437	488	535	636	800	913	736	528	460	433
60%	345	338	385	446	470	621	796	783	704	472	412	383
70%	314	325	308	390	428	591	691	736	604	401	369	348
80%	285	289	271	319	392	526	636	592	473	359	315	298
90%	114	113	231	254	327	445	452	455	414	220	158	139
Long Term												
Full Simulation Period[a]	394	380	411	447	478	589	705	795	712	518	449	422
Water Year Types[b]												
Wet (32%)	448	442	508	519	505	635	789	943	889	700	611	568
Above Normal (15%)	370	350	392	507	524	648	795	921	830	569	498	479
Below Normal (17%)	404	393	392	468	537	636	786	899	793	558	477	454
Dry (22%)	368	363	390	404	481	591	677	694	569	393	345	326
Critical (15%)	327	290	275	273	299	369	383	382	328	210	170	157

Alternative 4 H2 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	52	65	0	0	0	0	0	0	0	-18	-50	64
20%	66	95	29	0	5	0	0	0	9	-20	-20	56
30%	88	90	27	0	1	2	0	0	-6	32	-2	61
40%	48	41	59	11	4	6	0	-1	-13	10	29	78
50%	46	39	48	31	17	7	0	-4	-34	1	32	48
60%	26	9	39	34	-4	10	-1	-52	12	29	16	30
70%	22	26	2	43	11	21	5	30	3	28	37	31
80%	42	30	16	6	32	24	31	7	30	37	30	39
90%	22	-1	18	21	-3	44	21	-8	3	40	68	48
Long Term												
Full Simulation Period[a]	40	39	23	16	9	8	8	4	0	8	9	43
Water Year Types[b]												
Wet (32%)	48	41	9	4	0	0	0	-1	-13	-4	-11	83
Above Normal (15%)	29	39	34	18	8	0	0	-9	5	23	15	48
Below Normal (17%)	52	55	39	30	15	12	11	9	5	15	26	32
Dry (22%)	29	27	20	17	11	12	12	3	9	16	25	20
Critical (15%)	36	37	30	24	20	25	24	22	3	0	5	-2

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

"Alternative 4 H2" represents the enchanced spring delta outflow scenario of Alternative 4.

Table C-4-19. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 4 H3 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	555	512	575	575	575	670	800	975	975	764	677	558
20%	444	431	549	573	574	667	800	975	886	678	584	503
30%	422	400	500	563	563	659	800	975	839	581	520	464
40%	377	380	430	541	556	649	800	937	753	542	474	447
50%	345	345	382	437	523	632	800	873	691	476	437	389
60%	323	313	341	395	430	617	769	781	640	411	379	349
70%	287	297	302	359	404	561	681	677	557	361	319	313
80%	220	243	257	298	362	509	588	561	412	329	275	236
90%	90	100	188	206	283	383	401	411	331	157	90	90
Long Term												
Full Simulation Period[a]	345	337	385	428	463	577	693	774	666	475	417	371
Water Year Types[b]												
Wet (32%)	390	396	500	515	505	635	789	938	856	669	587	485
Above Normal (15%)	335	313	361	495	518	648	795	913	775	508	443	405
Below Normal (17%)	345	339	351	438	523	622	775	864	724	488	431	417
Dry (22%)	330	322	357	378	455	571	657	662	519	358	318	302
Critical (15%)	281	251	239	233	262	332	346	346	299	182	152	143

Alternative 4 H3 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	7	18	0	0	0	-2	0	0	0	-34	-41	-17
20%	-28	7	3	1	4	0	0	0	-75	-38	-37	-23
30%	7	1	8	2	1	-1	0	0	-39	-37	-27	-4
40%	-3	4	1	12	1	0	0	-33	-69	-39	-17	28
50%	-4	-6	-7	-20	5	3	0	-44	-78	-51	9	3
60%	5	-17	-5	-17	-44	5	-27	-54	-52	-32	-17	-4
70%	-5	-2	-4	13	-12	-9	-5	-29	-44	-12	-13	-4
80%	-23	-15	2	-15	2	7	-17	-24	-30	7	-10	-23
90%	-2	-15	-25	-27	-47	-19	-29	-53	-80	-23	0	-1
Long Term												
Full Simulation Period[a]	-9	-4	-4	-3	-5	-4	-4	-17	-46	-35	-22	-8
Water Year Types[b]												
Wet (32%)	-11	-5	0	0	0	0	0	-5	-46	-36	-35	0
Above Normal (15%)	-6	2	3	6	1	0	0	-16	-50	-38	-39	-25
Below Normal (17%)	-7	1	-3	0	1	-2	-1	-26	-64	-55	-20	-6
Dry (22%)	-10	-14	-13	-8	-15	-8	-8	-29	-42	-18	-1	-4
Critical (15%)	-10	-2	-6	-15	-16	-12	-13	-14	-26	-28	-13	-16

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

"Alternative 4 H3" represents the fall X2 scenario of Alternative 4.

Table C-4-20. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 4 H4 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	575	517	575	575	575	672	800	975	975	787	683	574
20%	474	447	564	572	574	667	800	975	971	702	604	514
30%	431	404	502	561	563	662	800	975	877	650	546	472
40%	386	381	446	541	556	652	800	973	824	593	512	423
50%	366	364	389	449	523	634	800	914	742	540	459	396
60%	322	333	349	414	456	618	787	788	692	454	387	356
70%	310	303	297	361	411	578	691	716	607	376	335	331
80%	246	268	266	317	381	519	608	575	470	336	309	235
90%	128	129	221	253	344	411	419	444	380	216	128	136
Long Term												
Full Simulation Period[a]	360	351	394	436	471	584	701	792	706	515	441	380
Water Year Types[b]												
Wet (32%)	402	406	497	515	505	635	789	942	889	695	606	468
Above Normal (15%)	331	313	363	490	514	648	795	924	829	568	488	436
Below Normal (17%)	362	355	366	449	527	629	780	896	790	559	474	450
Dry (22%)	352	342	374	392	472	584	673	688	560	393	337	314
Critical (15%)	305	275	262	261	286	356	370	369	307	205	157	148

Alternative 4 H4 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	27	23	0	0	0	0	0	0	0	**-11**	**-35**	**-1**
20%	1	23	18	0	4	0	0	0	9	**-14**	**-16**	**-12**
30%	17	4	10	0	0	2	0	0	**-1**	32	**-1**	4
40%	6	5	17	11	1	3	0	3	2	11	21	4
50%	18	13	**-1**	**-8**	5	6	0	**-3**	**-27**	13	31	11
60%	3	4	3	2	**-18**	7	**-10**	**-47**	**-1**	11	**-8**	2
70%	18	5	**-9**	15	**-6**	8	5	10	6	4	3	15
80%	4	9	11	3	21	17	4	**-11**	28	14	24	**-23**
90%	36	14	9	20	14	9	**-12**	**-19**	**-30**	36	37	44
Long Term												
Full Simulation Period[a]	6	10	5	5	2	4	4	1	**-6**	6	2	1
Water Year Types[b]												
Wet (32%)	1	6	**-3**	0	**0**	0	**0**	**-1**	**-13**	**-9**	**-17**	**-16**
Above Normal (15%)	**-10**	3	5	1	**-2**	**0**	**0**	**-6**	3	21	5	6
Below Normal (17%)	10	17	13	11	5	5	4	5	1	16	22	28
Dry (22%)	13	6	4	6	1	5	8	**-3**	**0**	17	17	8
Critical (15%)	15	22	17	13	7	11	10	10	**-17**	**-5**	**-8**	**-11**

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

"Alternative 4 H4" represents the high delta outflow scenario of Alternative 4.

Table C-4-21. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 5 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	540	487	575	575	575	672	800	975	975	783	686	548
20%	454	432	543	571	566	667	800	975	892	671	594	486
30%	416	401	492	558	561	660	800	975	847	584	508	463
40%	361	379	442	539	548	648	800	935	760	542	476	440
50%	339	342	388	440	523	632	800	896	724	495	434	387
60%	295	311	351	402	445	608	770	783	660	417	379	342
70%	266	292	304	363	406	560	684	673	569	349	304	289
80%	247	249	256	303	360	505	595	557	424	308	260	242
90%	90	99	190	237	310	397	418	428	362	140	90	90
Long Term												
Full Simulation Period[a]	341	333	385	429	465	578	694	779	674	472	417	363
Water Year Types[b]												
Wet (32%)	386	393	501	515	505	635	789	940	868	669	593	472
Above Normal (15%)	323	307	357	494	517	648	795	919	795	546	479	419
Below Normal (17%)	324	319	339	429	519	622	775	871	738	499	433	418
Dry (22%)	336	328	362	385	459	570	652	662	518	329	294	282
Critical (15%)	286	252	246	244	275	344	356	355	294	157	137	128

Alternative 5 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-9	-6	0	0	0	0	0	0	0	-15	-32	-27
20%	-18	8	-3	-1	-3	0	0	0	-70	-45	-26	-40
30%	1	1	0	-3	-1	0	0	0	-31	-33	-39	-5
40%	-19	3	13	9	-7	-1	0	-34	-62	-39	-16	21
50%	-9	-8	-1	-17	5	3	0	-21	-46	-32	6	2
60%	-24	-19	5	-10	-29	-3	-27	-52	-33	-26	-17	-12
70%	-26	-7	-2	17	-10	-9	-2	-33	-32	-23	-28	-27
80%	4	-9	1	-10	0	3	-10	-28	-19	-13	-25	-16
90%	-2	-15	-22	5	-21	-5	-13	-35	-48	-40	0	-1
Long Term												
Full Simulation Period[a]	-13	-8	-4	-2	-3	-3	-4	-13	-38	-37	-22	-16
Water Year Types[b]												
Wet (32%)	-14	-8	2	0	0	0	0	-3	-34	-36	-29	-12
Above Normal (15%)	-18	-4	-1	5	1	0	0	-10	-30	0	-4	-11
Below Normal (17%)	-28	-19	-14	-10	-3	-2	-1	-19	-51	-44	-19	-5
Dry (22%)	-3	-7	-8	-1	-11	-9	-13	-28	-42	-47	-25	-24
Critical (15%)	-5	-2	1	-4	-3	-1	-4	-4	-31	-53	-28	-31

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-22. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 6A,6B,6C (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	532	489	575	575	575	670	800	975	975	776	607	570
20%	491	464	568	571	571	667	800	975	919	699	592	519
30%	436	417	506	560	563	660	800	975	871	642	555	493
40%	399	390	455	533	557	652	800	956	800	589	508	456
50%	375	375	392	446	528	634	800	904	751	521	443	416
60%	349	343	362	412	439	621	771	819	683	472	422	394
70%	330	324	310	355	411	574	712	716	635	412	367	352
80%	258	268	269	298	378	473	612	589	486	360	328	309
90%	100	113	195	231	274	410	457	427	370	273	99	101
Long Term												
Full Simulation Period[a]	367	353	394	431	465	578	700	788	706	512	438	399
Water Year Types[b]												
Wet (32%)	429	423	509	515	505	635	788	937	878	673	575	500
Above Normal (15%)	369	342	384	495	518	648	795	921	815	566	499	456
Below Normal (17%)	348	341	357	445	521	622	779	883	787	576	484	457
Dry (22%)	352	344	371	382	463	572	672	693	573	401	346	332
Critical (15%)	277	241	236	242	266	344	364	363	329	198	162	156

Alternative 6A,6B,6C (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-16	-4	0	0	0	-2	0	0	0	-22	-111	-5
20%	19	40	23	-1	1	0	0	0	-43	-17	-28	-7
30%	21	18	14	-1	0	0	0	0	-6	25	7	24
40%	19	14	25	4	2	3	0	-14	-22	8	17	37
50%	26	25	2	-11	10	6	0	-13	-19	-5	16	30
60%	30	13	16	1	-35	10	-25	-16	-10	30	27	40
70%	38	25	4	8	-5	4	26	10	34	40	35	35
80%	15	10	14	-15	18	-29	7	3	43	38	43	50
90%	7	-2	-18	-1	-56	8	26	-36	-40	93	9	10
Long Term												
Full Simulation Period[a]	13	12	6	0	-3	-2	3	-4	-6	2	-2	20
Water Year Types[b]												
Wet (32%)	28	22	9	0	0	0	-1	-6	-24	-31	-48	16
Above Normal (15%)	28	31	26	6	1	0	-1	-9	-10	19	16	26
Below Normal (17%)	-4	4	3	7	-1	-2	3	-7	-2	33	33	34
Dry (22%)	12	9	0	-5	-7	-7	8	2	13	25	27	26
Critical (15%)	-14	-12	-9	-7	-12	0	5	3	5	-12	-3	-3

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-23. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 7 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	541	499	575	575	575	670	800	975	975	766	670	551
20%	479	440	558	571	571	667	800	975	895	689	587	507
30%	411	407	498	562	563	661	800	975	841	594	508	449
40%	383	373	435	541	558	652	800	955	771	546	455	415
50%	350	346	396	434	526	634	800	909	726	485	421	390
60%	319	319	356	396	436	617	796	817	660	427	387	353
70%	298	301	302	356	409	580	698	721	600	364	327	313
80%	203	188	246	272	359	497	602	558	456	314	270	228
90%	90	115	167	204	265	376	396	410	351	157	97	93
Long Term												
Full Simulation Period[a]	346	334	384	426	462	576	699	785	684	482	417	369
Water Year Types[b]												
Wet (32%)	406	407	505	515	505	635	789	939	860	673	591	484
Above Normal (15%)	347	321	368	498	520	648	795	918	784	525	464	424
Below Normal (17%)	342	330	353	439	519	621	780	886	756	505	418	403
Dry (22%)	330	322	357	376	456	572	673	693	566	369	310	289
Critical (15%)	247	215	212	219	253	329	350	341	299	169	154	142

Alternative 7 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-8	5	0	0	0	-2	0	0	0	-32	-48	-24
20%	7	16	12	-1	2	0	0	0	-66	-27	-33	-19
30%	-4	8	6	0	1	1	0	0	-37	-23	-39	-20
40%	3	-3	5	12	3	3	0	-15	-51	-35	-36	-5
50%	2	-5	6	-23	8	6	0	-8	-44	-42	-7	4
60%	1	-11	10	-16	-38	6	-1	-18	-32	-16	-9	-1
70%	6	3	-4	9	-7	10	12	15	-1	-8	-5	-4
80%	-40	-71	-9	-41	-1	-5	-3	-28	13	-8	-15	-30
90%	-2	0	-45	-29	-66	-26	-34	-54	-59	-23	6	1
Long Term												
Full Simulation Period[a]	-7	-7	-5	-5	-7	-4	1	-6	-28	-27	-22	-11
Water Year Types[b]												
Wet (32%)	6	6	5	0	0	0	0	-4	-42	-32	-31	0
Above Normal (15%)	6	11	10	9	4	0	0	-11	-41	-22	-18	-7
Below Normal (17%)	-10	-8	0	1	-3	-3	4	-4	-32	-38	-33	-20
Dry (22%)	-9	-14	-14	-10	-15	-7	9	2	5	-7	-9	-17
Critical (15%)	-44	-39	-34	-30	-25	-16	-10	-19	-25	-41	-11	-17

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-24. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 8 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	597	572	575	575	575	670	800	975	975	758	708	619
20%	497	492	571	571	574	667	800	974	866	731	670	568
30%	464	448	515	558	563	658	800	900	804	695	630	497
40%	383	375	463	514	556	649	782	850	731	601	527	419
50%	345	339	397	459	514	632	761	808	699	560	423	373
60%	309	319	351	416	449	608	732	731	658	392	356	345
70%	268	281	302	344	421	575	688	700	592	314	289	266
80%	131	175	247	290	351	531	581	538	328	277	245	214
90%	90	90	163	230	268	392	425	300	293	178	90	90
Long Term												
Full Simulation Period[a]	348	345	388	424	459	579	681	728	636	501	434	373
Water Year Types[b]												
Wet (32%)	421	423	505	514	505	636	785	923	865	729	656	522
Above Normal (15%)	318	311	358	461	480	633	783	904	785	634	565	477
Below Normal (17%)	352	357	376	450	525	627	754	782	686	509	410	396
Dry (22%)	337	330	364	384	461	586	644	599	460	310	256	245
Critical (15%)	233	214	215	224	261	336	324	262	199	152	117	114

Alternative 8 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	49	78	0	0	0	-2	0	0	0	-40	-11	44
20%	24	68	25	-1	4	0	0	-1	-95	15	50	42
30%	49	49	23	-3	1	-2	0	-75	-73	77	83	28
40%	3	-1	34	-16	1	0	-18	-119	-91	19	36	-1
50%	-4	-11	7	2	-5	3	-39	-109	-71	33	-5	-13
60%	-10	-10	5	4	-25	-3	-65	-104	-35	-51	-40	-8
70%	-24	-18	-4	-2	4	5	2	-6	-9	-58	-43	-51
80%	-112	-84	-8	-23	-9	29	-24	-48	-115	-45	-40	-45
90%	-2	-25	-50	-3	-62	-10	-6	-163	-117	-2	0	-1
Long Term												
Full Simulation Period[a]	-6	4	0	-6	-9	-1	-16	-63	-76	-8	-5	-6
Water Year Types[b]												
Wet (32%)	20	22	5	-1	0	1	-4	-21	-37	24	33	37
Above Normal (15%)	-23	0	0	-28	-37	-15	-12	-25	-41	87	83	47
Below Normal (17%)	1	19	22	12	3	3	-21	-108	-103	-34	-41	-27
Dry (22%)	-2	-5	-7	-3	-9	7	-21	-92	-100	-66	-64	-61
Critical (15%)	-58	-39	-30	-24	-17	-8	-35	-98	-125	-58	-48	-45

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)

Table C-4-25. Folsom Lake, End of Month Storage

No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	548	494	575	575	575	672	800	975	975	798	718	575
20%	473	424	546	572	570	667	800	975	961	716	620	526
30%	415	399	492	561	562	660	800	975	878	618	547	469
40%	380	376	429	529	555	649	800	970	822	581	491	419
50%	348	351	389	457	518	629	800	917	770	527	428	385
60%	319	330	346	412	474	611	797	835	692	443	396	353
70%	292	299	306	347	417	570	686	706	601	372	332	317
80%	243	259	255	313	360	502	605	585	443	322	285	259
90%	92	115	212	233	330	402	431	463	410	180	90	91
Long Term												
Full Simulation Period[a]	354	341	388	431	469	580	697	791	712	509	439	379
Water Year Types[b]												
Wet (32%)	400	401	500	515	505	635	789	943	902	705	623	485
Above Normal (15%)	341	311	358	489	516	648	795	930	825	547	483	430
Below Normal (17%)	352	338	354	438	522	624	776	891	788	543	451	423
Dry (22%)	339	336	371	386	471	579	665	691	560	376	319	306
Critical (15%)	291	253	245	249	278	345	359	360	324	210	165	159

Alternative 9 (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	554	468	575	575	575	672	800	975	975	788	685	593
20%	478	427	539	572	572	667	800	975	959	716	638	505
30%	429	406	491	561	563	662	800	975	885	650	564	470
40%	397	390	430	532	555	653	800	956	808	601	499	435
50%	375	361	397	448	525	634	800	899	737	532	444	407
60%	338	345	351	406	462	617	771	793	649	450	401	383
70%	301	320	305	349	412	589	699	667	573	374	345	322
80%	273	265	276	301	361	511	553	560	449	334	303	285
90%	100	114	202	244	316	411	424	428	380	225	137	96
Long Term												
Full Simulation Period[a]	368	348	394	435	470	582	696	778	695	519	452	390
Water Year Types[b]												
Wet (32%)	417	406	506	515	505	635	789	941	890	705	624	489
Above Normal (15%)	338	316	363	494	515	648	795	927	819	567	504	448
Below Normal (17%)	366	351	368	449	532	633	779	870	766	567	477	438
Dry (22%)	361	342	369	389	466	579	653	652	527	388	338	322
Critical (15%)	302	258	248	252	281	347	364	356	319	208	169	161

Alternative 9 (LLT) minus No Action Alternative (LLT)

	End of Month Storage (TAF)											
Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	6	-25	0	0	0	0	0	0	0	-10	-33	18
20%	6	3	-6	0	2	0	0	0	-2	0	18	-20
30%	14	7	-1	0	0	2	0	0	7	32	16	1
40%	17	14	1	3	0	4	0	-14	-13	20	7	15
50%	27	11	7	-9	7	6	0	-18	-32	5	16	21
60%	19	16	5	-6	-12	6	-26	-42	-44	8	6	29
70%	9	21	-1	3	-4	19	13	-39	-28	1	13	6
80%	30	7	21	-12	1	9	-52	-25	6	12	18	27
90%	8	0	-11	11	-15	9	-7	-36	-31	45	47	4
Long Term												
Full Simulation Period[a]	14	7	5	4	1	2	-1	-14	-17	9	13	10
Water Year Types[b]												
Wet (32%)	17	5	6	0	0	0	0	-3	-12	0	2	4
Above Normal (15%)	-3	5	6	5	-1	0	0	-3	-7	21	21	18
Below Normal (17%)	15	13	14	10	9	9	4	-20	-22	24	26	16
Dry (22%)	22	7	-2	3	-5	0	-12	-39	-34	12	18	16
Critical (15%)	11	4	3	3	2	2	4	-4	-5	-2	4	2

Note: "LLT" (Late Long-Term) indicates Alternatives that are simulated with 2060 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)