

Attachment 2a: Storage and Elevation Results (CalSim 3)

Attachment 2a: Storage and Elevation Results (CalSim 3)

The following results of the CalSim 3 model are included for reservoir storage and elevation conditions for the following scenarios:

- Baseline Conditions (072623)
- Proposed Project (021624)
- Alternative 1 (072623)
- Alternative 2 (101623)
- Alternative 3 (021624)

Title	Model Parameter	Table Numbers	Figure Numbers
San Luis Reservoir SWP Storage	S_SLUIS_SWP	4C-2-1-1a to 4C-2-1-4c	4C-2-1a to 4C-2-1l
San Luis Reservoir Storage	Post-Processed	4C-2-2-1a to 4C-2-2-4c	4C-2-2a to 4C-2-2l
San Luis Reservoir Elevation	Post-Processed	4C-2-3-1a to 4C-2-3-4c	4C-2-3a to 4C-2-3l

Report formats:

- Monthly tables comparing two scenarios (exceedance values, long-term average, and average by water year type).
- Monthly exceedance charts (all months) including all scenarios.

Table 4C-2-1-1a. San Luis SWP Storage, Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	736	857	1,020	999	1,067	1,067	1,034	937	843	829	811	726
20% Exceedance	626	743	839	864	941	1,067	960	866	657	652	667	626
30% Exceedance	524	644	723	712	825	933	890	746	547	544	549	553
40% Exceedance	455	530	622	656	756	770	720	574	437	434	482	499
50% Exceedance	386	439	524	591	669	725	606	467	349	394	398	402
60% Exceedance	287	380	465	541	634	650	556	437	289	313	334	324
70% Exceedance	208	254	381	491	523	587	501	367	224	283	264	240
80% Exceedance	119	127	196	354	431	468	393	296	150	250	203	130
90% Exceedance	42	42	99	231	323	379	308	187	63	201	161	78
Full Simulation Period Average ^a	391	458	544	600	680	727	659	544	411	449	435	406
Wet Water Years (30%)	487	597	684	742	854	927	912	810	670	682	672	639
Above Normal Water Years (11%)	399	497	606	670	764	803	691	555	396	466	545	520
Below Normal Water Years (21%)	427	497	585	623	665	693	569	410	242	337	423	453
Dry Water Years (22%)	374	417	501	529	572	602	509	381	259	344	238	172
Critical Water Years (16%)	182	177	243	350	466	514	485	439	366	289	199	151

Table 4C-2-1-1b. San Luis SWP Storage, Proposed Project 021624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	856	948	1,067	1,067	1,067	1,067	1,067	1,034	914	867	844	902
20% Exceedance	708	856	973	931	982	1,067	1,014	947	718	739	753	728
30% Exceedance	616	721	794	786	858	937	896	850	658	599	613	639
40% Exceedance	500	595	683	685	801	768	726	638	464	485	539	561
50% Exceedance	462	522	594	606	709	716	637	520	370	435	449	459
60% Exceedance	307	352	480	551	629	648	561	475	313	374	384	372
70% Exceedance	220	284	384	496	538	593	499	409	269	318	274	255
80% Exceedance	129	159	204	379	426	447	361	327	191	261	218	139
90% Exceedance	42	42	58	200	308	327	280	186	57	214	155	92
Full Simulation Period Average ^a	441	501	579	624	692	720	667	597	450	486	474	465
Wet Water Years (30%)	544	642	713	755	863	926	919	882	728	734	736	763
Above Normal Water Years (11%)	447	540	656	709	775	786	712	624	432	501	579	603
Below Normal Water Years (21%)	492	554	646	676	706	695	600	500	317	406	487	503
Dry Water Years (22%)	421	460	529	552	576	588	500	391	261	353	245	176
Critical Water Years (16%)	201	198	257	348	454	503	483	452	373	295	207	163

Table 4C-2-1-1c. San Luis SWP Storage, Proposed Project 021624 minus Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	120	91	47	68	0	0	33	98	71	37	33	176
20% Exceedance	82	113	135	67	42	0	54	82	61	87	86	102
30% Exceedance	92	77	71	74	33	4	6	104	110	56	65	86
40% Exceedance	45	65	61	30	45	-2	6	64	27	50	58	62
50% Exceedance	77	83	70	15	40	-9	31	53	22	41	51	58
60% Exceedance	20	-27	15	10	-5	-3	5	38	24	61	50	48
70% Exceedance	12	29	3	4	15	6	-1	42	45	36	9	15
80% Exceedance	10	32	8	24	-5	-21	-32	31	40	11	15	9
90% Exceedance	0	0	-41	-31	-15	-52	-28	-1	-6	13	-5	14
Full Simulation Period Average ^a	50	43	35	24	12	-6	8	52	39	37	39	59
Wet Water Years (30%)	58	45	28	12	9	-1	6	72	59	52	64	123
Above Normal Water Years (11%)	47	44	50	39	11	-17	21	69	36	35	34	83
Below Normal Water Years (21%)	66	57	61	53	41	2	31	90	75	69	64	50
Dry Water Years (22%)	48	43	27	23	4	-14	-9	10	2	9	7	4
Critical Water Years (16%)	20	21	14	-3	-12	-11	-2	13	7	5	8	12

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-2-1-2a. San Luis SWP Storage, Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	736	857	1,020	999	1,067	1,067	1,034	937	843	829	811	726
20% Exceedance	626	743	839	864	941	1,067	960	866	657	652	667	626
30% Exceedance	524	644	723	712	825	933	890	746	547	544	549	553
40% Exceedance	455	530	622	656	756	770	720	574	437	434	482	499
50% Exceedance	386	439	524	591	669	725	606	467	349	394	398	402
60% Exceedance	287	380	465	541	634	650	556	437	289	313	334	324
70% Exceedance	208	254	381	491	523	587	501	367	224	283	264	240
80% Exceedance	119	127	196	354	431	468	393	296	150	250	203	130
90% Exceedance	42	42	99	231	323	379	308	187	63	201	161	78
Full Simulation Period Average ^a	391	458	544	600	680	727	659	544	411	449	435	406
Wet Water Years (30%)	487	597	684	742	854	927	912	810	670	682	672	639
Above Normal Water Years (11%)	399	497	606	670	764	803	691	555	396	466	545	520
Below Normal Water Years (21%)	427	497	585	623	665	693	569	410	242	337	423	453
Dry Water Years (22%)	374	417	501	529	572	602	509	381	259	344	238	172
Critical Water Years (16%)	182	177	243	350	466	514	485	439	366	289	199	151

Table 4C-2-1-2b. San Luis SWP Storage, Alternative 1 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	856	948	1,067	1,067	1,067	1,067	1,067	1,034	912	861	842	902
20% Exceedance	707	856	973	932	982	1,067	1,013	944	720	740	752	728
30% Exceedance	615	714	789	786	858	933	876	844	658	599	609	635
40% Exceedance	504	597	683	685	802	774	729	638	463	483	534	562
50% Exceedance	464	523	594	609	706	714	642	523	371	433	449	463
60% Exceedance	313	353	487	552	629	649	569	473	310	385	386	370
70% Exceedance	219	285	383	499	537	594	500	415	267	315	277	255
80% Exceedance	138	160	204	378	424	446	360	325	208	264	225	144
90% Exceedance	54	42	68	208	308	322	282	195	59	213	174	106
Full Simulation Period Average ^a	442	502	579	624	693	720	667	597	449	486	475	467
Wet Water Years (30%)	546	643	713	755	863	925	918	882	728	733	735	762
Above Normal Water Years (11%)	444	536	649	704	771	782	708	621	429	498	577	605
Below Normal Water Years (21%)	493	555	646	677	709	696	601	501	315	405	485	502
Dry Water Years (22%)	422	461	529	553	577	589	501	393	261	359	252	182
Critical Water Years (16%)	208	201	257	350	456	504	484	453	374	295	208	163

Table 4C-2-1-2c. San Luis SWP Storage, Alternative 1 072623 minus Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	120	91	47	68	0	0	33	97	69	32	31	176
20% Exceedance	81	113	135	68	41	0	53	78	63	88	85	101
30% Exceedance	91	71	66	74	33	0	-15	98	111	55	61	82
40% Exceedance	49	67	61	29	45	4	9	64	26	48	52	63
50% Exceedance	78	84	71	18	37	-11	36	56	23	39	51	61
60% Exceedance	25	-26	22	11	-5	-2	13	36	22	72	52	45
70% Exceedance	11	31	2	7	13	7	-1	48	42	32	13	15
80% Exceedance	19	33	8	23	-7	-22	-32	29	58	14	22	14
90% Exceedance	12	0	-31	-23	-15	-57	-26	8	-4	11	14	27
Full Simulation Period Average ^a	51	44	35	24	12	-6	8	52	38	37	40	61
Wet Water Years (30%)	59	46	29	13	9	-2	5	71	58	51	63	123
Above Normal Water Years (11%)	45	40	43	34	6	-21	17	65	33	32	31	85
Below Normal Water Years (21%)	66	58	60	55	44	3	32	91	74	67	62	49
Dry Water Years (22%)	48	43	28	24	5	-13	-8	12	2	15	14	10
Critical Water Years (16%)	27	24	15	-1	-9	-9	-1	14	8	6	9	12

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-2-1-3a. San Luis SWP Storage, Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	736	857	1,020	999	1,067	1,067	1,034	937	843	829	811	726
20% Exceedance	626	743	839	864	941	1,067	960	866	657	652	667	626
30% Exceedance	524	644	723	712	825	933	890	746	547	544	549	553
40% Exceedance	455	530	622	656	756	770	720	574	437	434	482	499
50% Exceedance	386	439	524	591	669	725	606	467	349	394	398	402
60% Exceedance	287	380	465	541	634	650	556	437	289	313	334	324
70% Exceedance	208	254	381	491	523	587	501	367	224	283	264	240
80% Exceedance	119	127	196	354	431	468	393	296	150	250	203	130
90% Exceedance	42	42	99	231	323	379	308	187	63	201	161	78
Full Simulation Period Average ^a	391	458	544	600	680	727	659	544	411	449	435	406
Wet Water Years (30%)	487	597	684	742	854	927	912	810	670	682	672	639
Above Normal Water Years (11%)	399	497	606	670	764	803	691	555	396	466	545	520
Below Normal Water Years (21%)	427	497	585	623	665	693	569	410	242	337	423	453
Dry Water Years (22%)	374	417	501	529	572	602	509	381	259	344	238	172
Critical Water Years (16%)	182	177	243	350	466	514	485	439	366	289	199	151

Table 4C-2-1-3b. San Luis SWP Storage, Alternative 2 101623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	856	948	1,067	1,067	1,067	1,067	1,067	1,034	914	867	843	902
20% Exceedance	708	856	973	932	983	1,067	1,016	944	710	739	753	721
30% Exceedance	615	720	796	786	864	939	893	850	658	599	613	639
40% Exceedance	504	597	683	686	802	769	730	638	464	484	533	562
50% Exceedance	464	529	595	610	712	716	636	520	371	429	449	463
60% Exceedance	313	358	488	550	629	649	562	471	314	386	384	370
70% Exceedance	219	285	397	501	536	593	500	409	265	316	277	255
80% Exceedance	136	157	204	378	425	449	361	323	203	263	225	144
90% Exceedance	67	42	68	208	308	323	280	191	59	212	172	105
Full Simulation Period Average ^a	442	502	580	625	693	721	668	597	450	487	475	467
Wet Water Years (30%)	547	644	715	757	865	926	919	883	729	735	736	763
Above Normal Water Years (11%)	446	536	655	708	773	784	709	621	429	498	576	604
Below Normal Water Years (21%)	493	555	647	678	708	697	602	502	316	406	487	503
Dry Water Years (22%)	421	460	529	553	577	589	501	392	261	359	252	182
Critical Water Years (16%)	207	200	258	350	456	504	484	453	374	295	208	163

Table 4C-2-1-3c. San Luis SWP Storage, Alternative 2 101623 minus Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	120	91	47	68	0	0	33	97	71	38	32	176
20% Exceedance	81	113	135	68	42	0	56	79	53	87	86	95
30% Exceedance	91	76	73	74	39	7	3	104	111	55	65	86
40% Exceedance	49	67	61	31	45	-1	10	64	27	50	52	63
50% Exceedance	78	90	71	19	43	-9	30	53	23	35	51	61
60% Exceedance	25	-22	23	10	-5	-2	6	34	25	72	50	46
70% Exceedance	11	31	16	10	13	6	-1	42	40	33	13	15
80% Exceedance	17	31	9	24	-6	-19	-32	28	53	13	22	14
90% Exceedance	25	0	-31	-23	-15	-56	-28	4	-4	10	11	26
Full Simulation Period Average ^a	52	44	36	25	13	-6	9	53	39	38	40	61
Wet Water Years (30%)	60	47	30	15	11	0	7	73	59	52	64	123
Above Normal Water Years (11%)	46	40	49	38	9	-19	18	66	33	32	31	84
Below Normal Water Years (21%)	67	58	61	55	43	4	33	92	75	69	63	51
Dry Water Years (22%)	48	43	28	24	5	-13	-8	11	2	15	14	10
Critical Water Years (16%)	26	24	15	-1	-10	-9	-1	14	8	6	9	12

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-2-1-4a. San Luis SWP Storage, Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	736	857	1,020	999	1,067	1,067	1,034	937	843	829	811	726
20% Exceedance	626	743	839	864	941	1,067	960	866	657	652	667	626
30% Exceedance	524	644	723	712	825	933	890	746	547	544	549	553
40% Exceedance	455	530	622	656	756	770	720	574	437	434	482	499
50% Exceedance	386	439	524	591	669	725	606	467	349	394	398	402
60% Exceedance	287	380	465	541	634	650	556	437	289	313	334	324
70% Exceedance	208	254	381	491	523	587	501	367	224	283	264	240
80% Exceedance	119	127	196	354	431	468	393	296	150	250	203	130
90% Exceedance	42	42	99	231	323	379	308	187	63	201	161	78
Full Simulation Period Average ^a	391	458	544	600	680	727	659	544	411	449	435	406
Wet Water Years (30%)	487	597	684	742	854	927	912	810	670	682	672	639
Above Normal Water Years (11%)	399	497	606	670	764	803	691	555	396	466	545	520
Below Normal Water Years (21%)	427	497	585	623	665	693	569	410	242	337	423	453
Dry Water Years (22%)	374	417	501	529	572	602	509	381	259	344	238	172
Critical Water Years (16%)	182	177	243	350	466	514	485	439	366	289	199	151

Table 4C-2-1-4b. San Luis SWP Storage, Alternative 3 021624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	856	948	1,067	1,067	1,067	1,067	1,067	1,034	913	861	844	902
20% Exceedance	708	856	973	931	982	1,067	1,013	944	721	740	751	728
30% Exceedance	616	717	788	786	859	934	877	844	658	599	611	635
40% Exceedance	500	595	683	684	801	775	726	637	462	482	538	560
50% Exceedance	461	520	594	606	704	713	643	521	374	435	449	459
60% Exceedance	307	352	481	551	629	648	566	475	310	384	386	372
70% Exceedance	221	286	387	495	538	595	499	415	272	317	274	255
80% Exceedance	134	158	204	379	426	447	362	326	207	261	223	143
90% Exceedance	57	42	59	201	308	325	280	196	57	214	175	101
Full Simulation Period Average ^a	441	502	578	624	692	720	667	597	450	486	475	466
Wet Water Years (30%)	545	642	712	754	863	924	917	881	727	733	735	762
Above Normal Water Years (11%)	446	541	651	706	772	784	710	623	431	500	578	602
Below Normal Water Years (21%)	492	554	646	676	707	695	600	500	316	406	486	502
Dry Water Years (22%)	421	460	529	553	577	589	500	392	262	358	251	181
Critical Water Years (16%)	206	201	256	351	457	505	485	454	375	296	208	163

Table 4C-2-1-4c. San Luis SWP Storage, Alternative 3 021624 minus Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	120	91	47	68	0	0	33	97	70	32	32	176
20% Exceedance	81	113	135	67	41	0	53	78	64	88	84	102
30% Exceedance	92	73	64	74	34	2	-13	97	110	56	62	82
40% Exceedance	45	65	61	28	45	5	5	64	26	48	57	60
50% Exceedance	75	81	70	15	35	-12	37	54	25	41	51	58
60% Exceedance	20	-27	16	11	-5	-3	10	38	21	71	52	48
70% Exceedance	13	32	6	4	14	8	-2	48	48	34	9	15
80% Exceedance	16	31	8	24	-5	-21	-30	30	57	11	21	14
90% Exceedance	15	0	-39	-30	-15	-54	-28	9	-6	13	14	22
Full Simulation Period Average ^a	51	44	34	24	12	-7	8	52	39	38	40	60
Wet Water Years (30%)	58	45	28	12	8	-2	5	71	58	51	63	123
Above Normal Water Years (11%)	46	44	45	36	8	-19	19	67	35	34	33	82
Below Normal Water Years (21%)	65	57	60	53	42	2	31	89	75	68	63	49
Dry Water Years (22%)	47	43	28	23	5	-13	-9	11	4	14	13	9
Critical Water Years (16%)	25	24	14	0	-9	-9	0	14	9	7	9	12

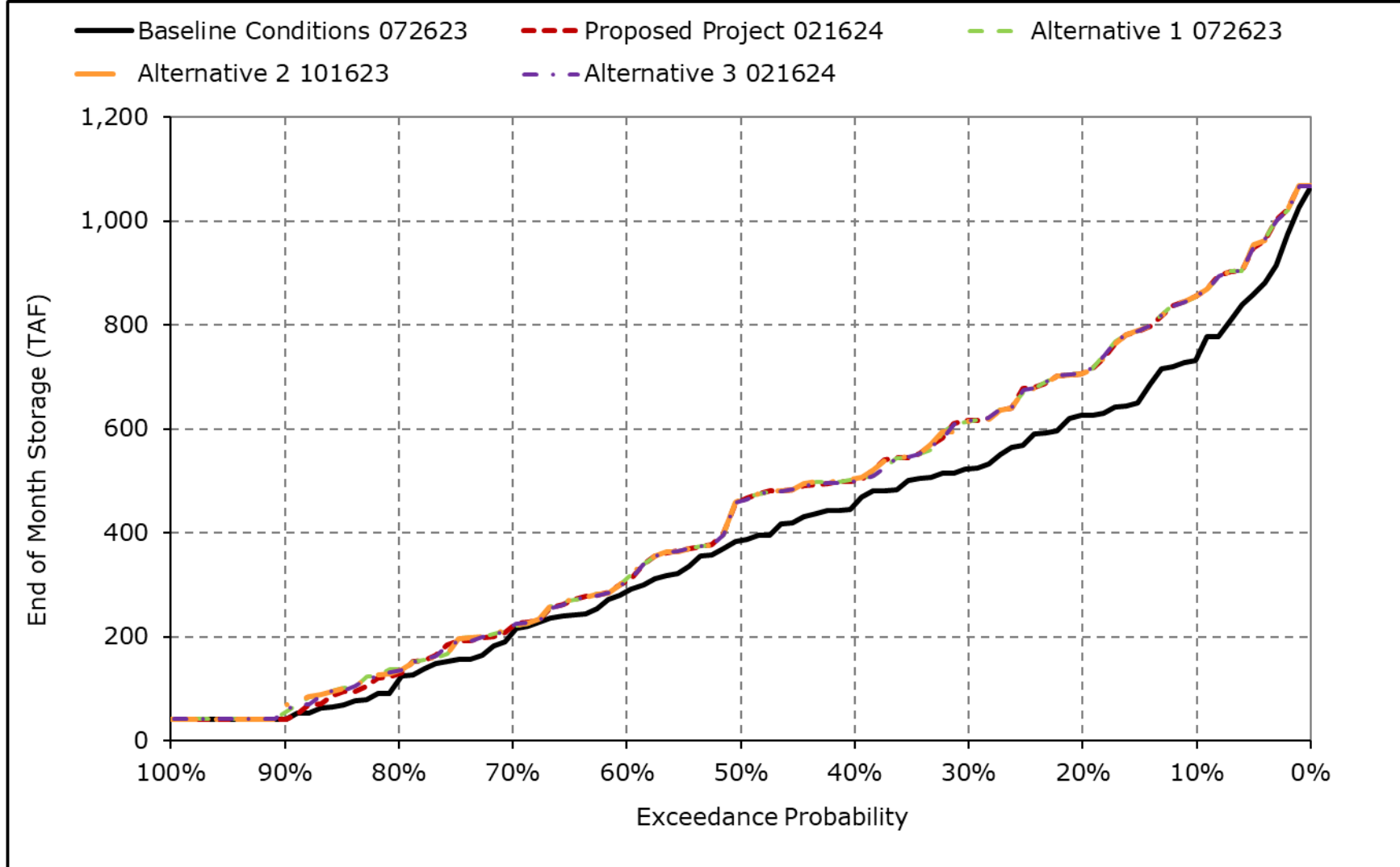
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

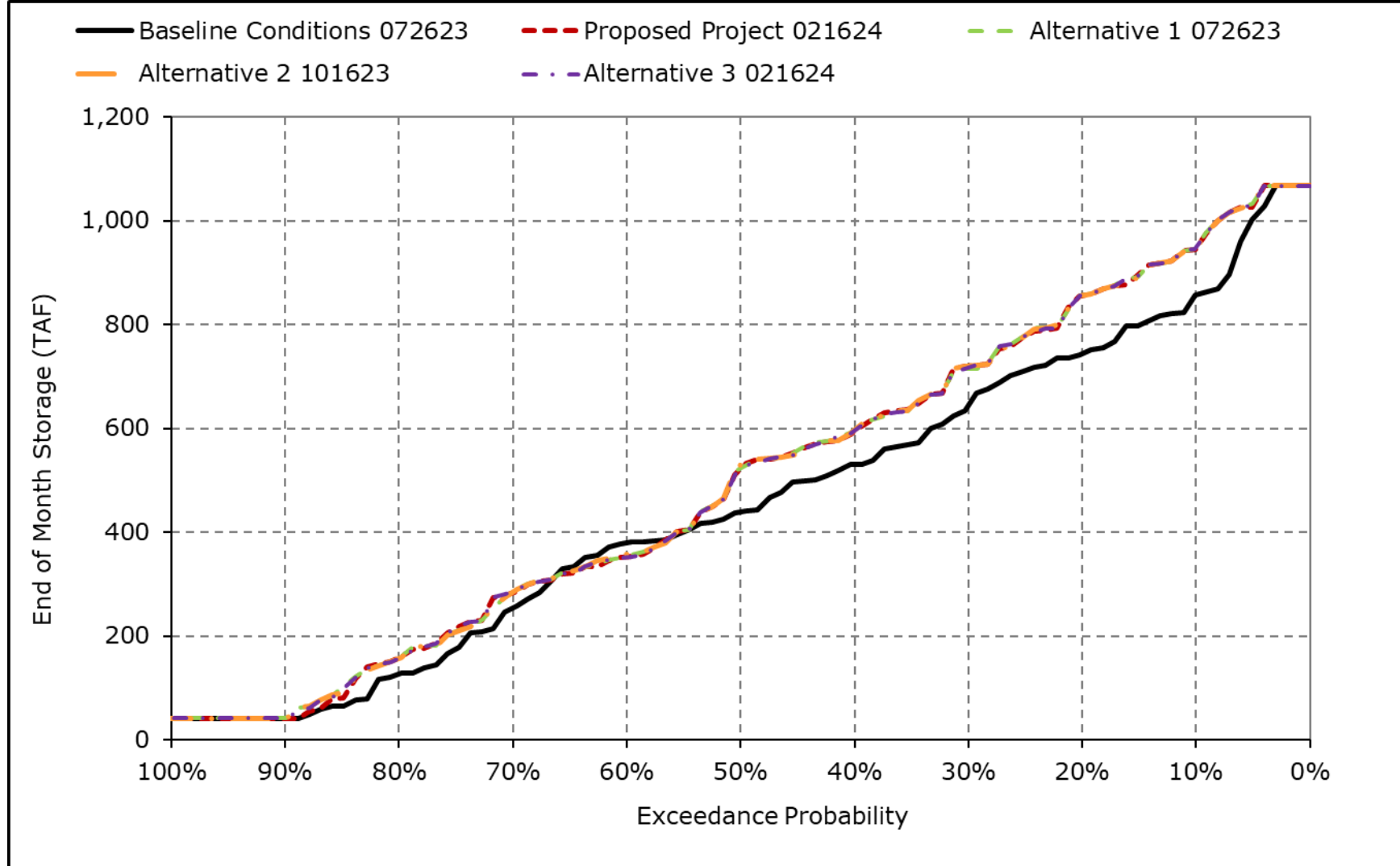
* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-2-1a. San Luis SWP Storage, October



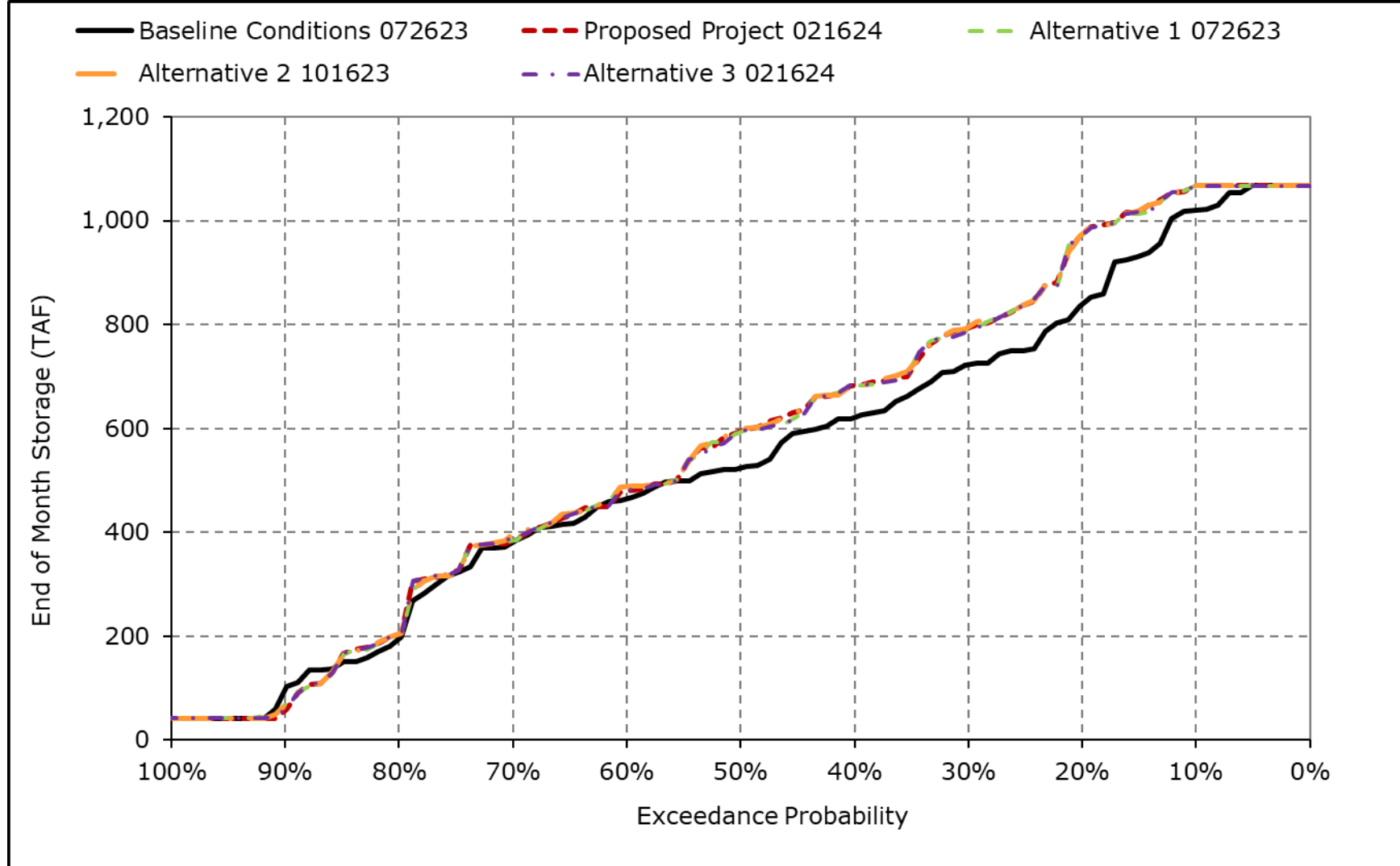
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-1b. San Luis SWP Storage, November



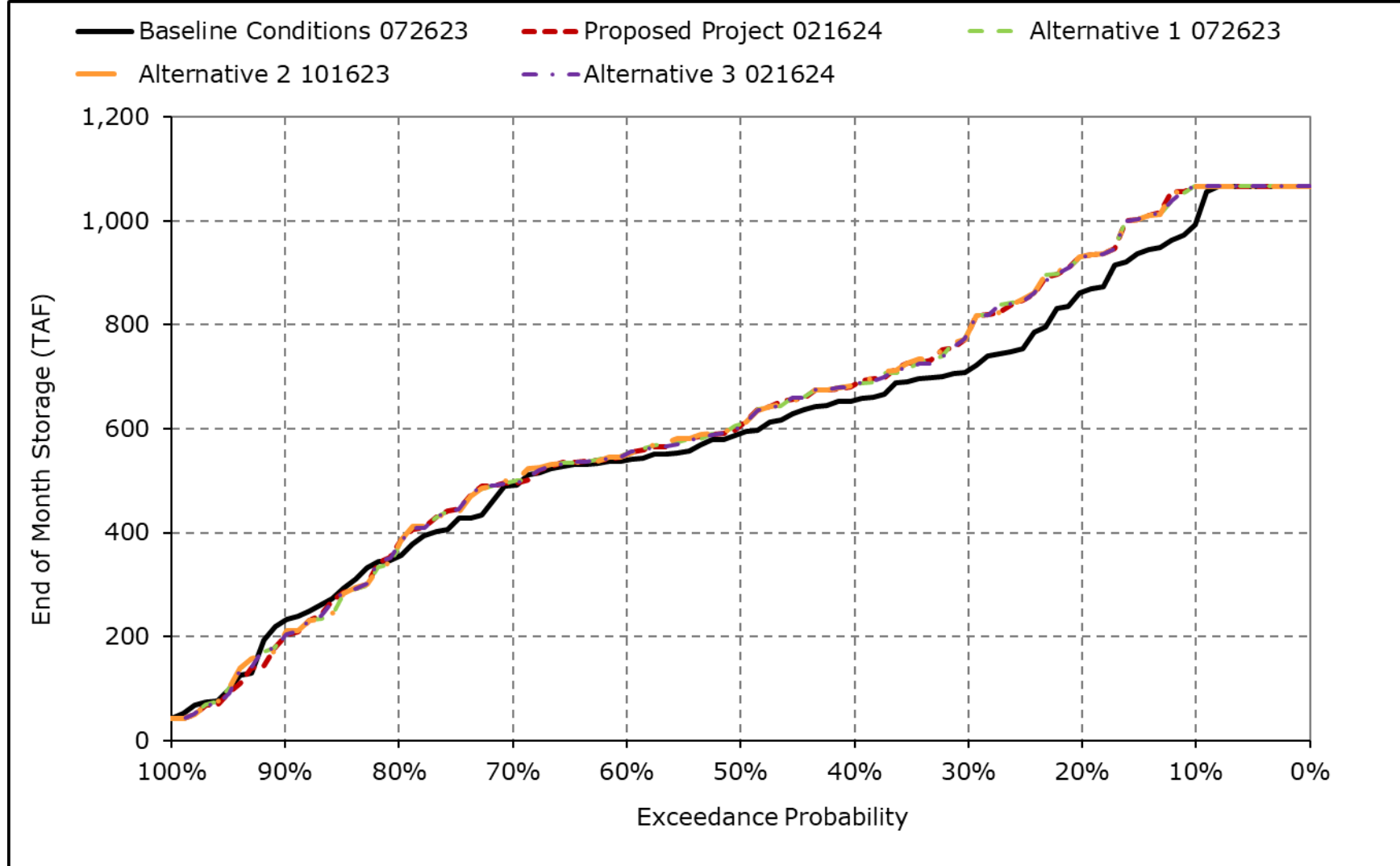
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-1c. San Luis SWP Storage, December



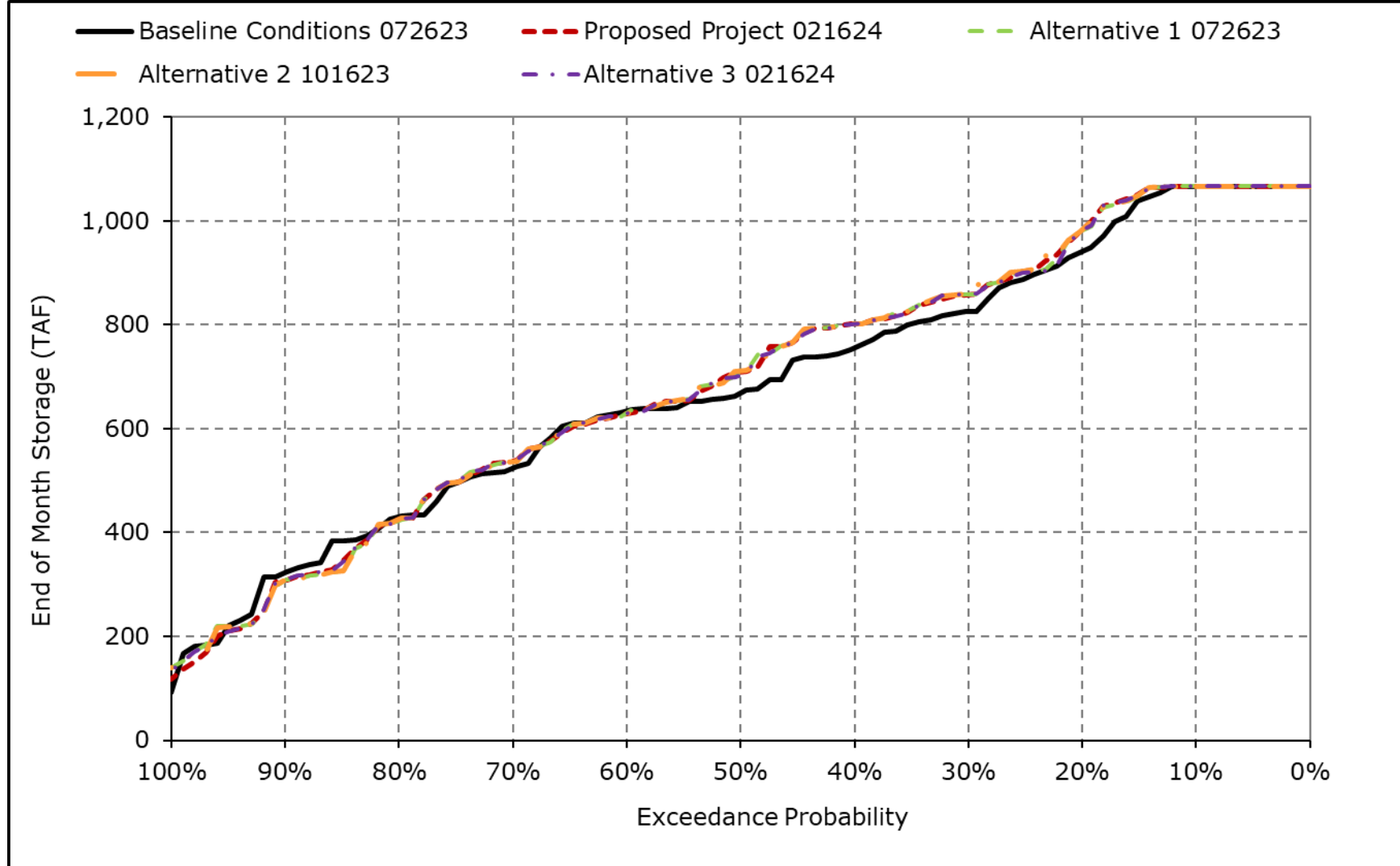
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-1d. San Luis SWP Storage, January



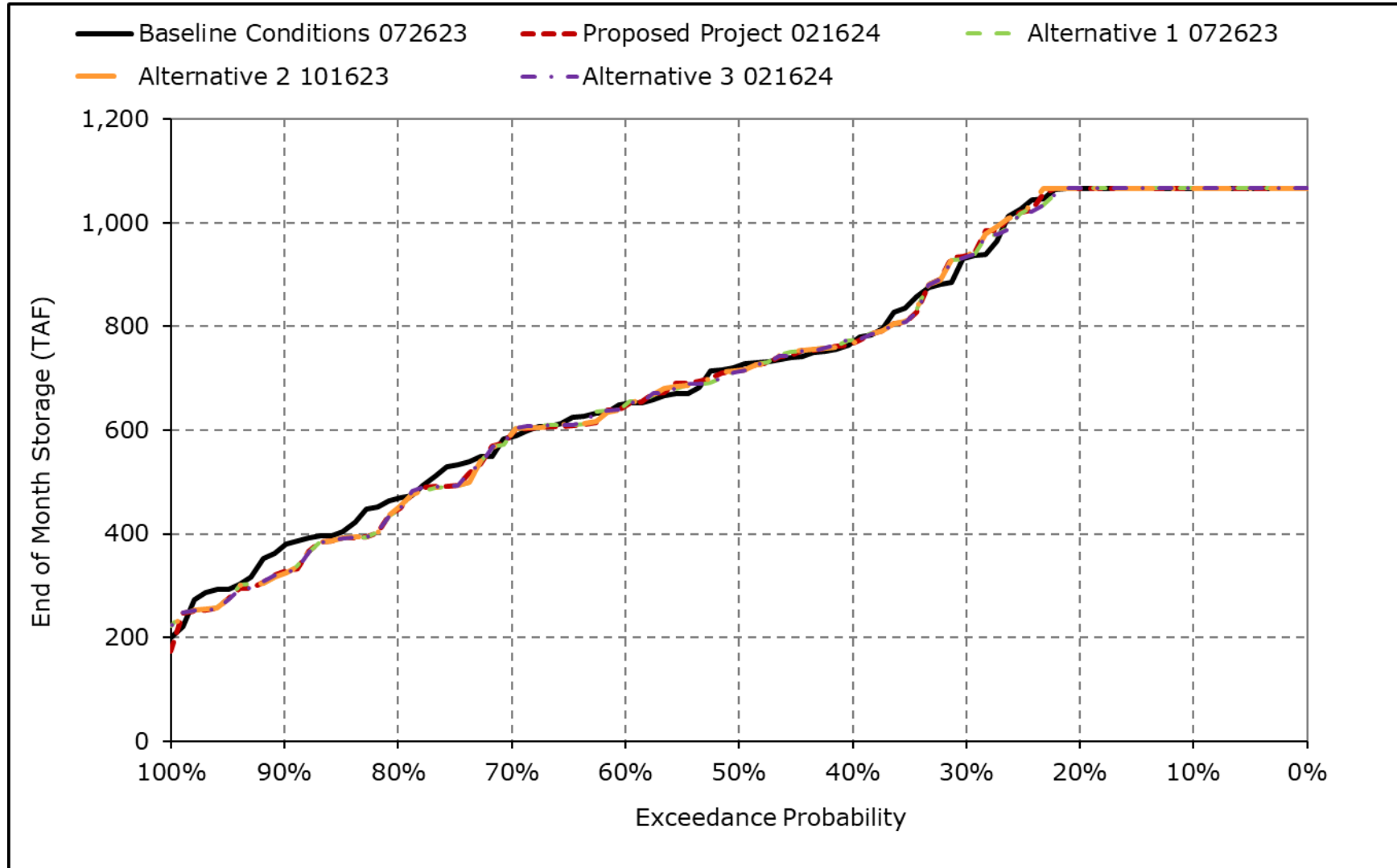
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-1e. San Luis SWP Storage, February



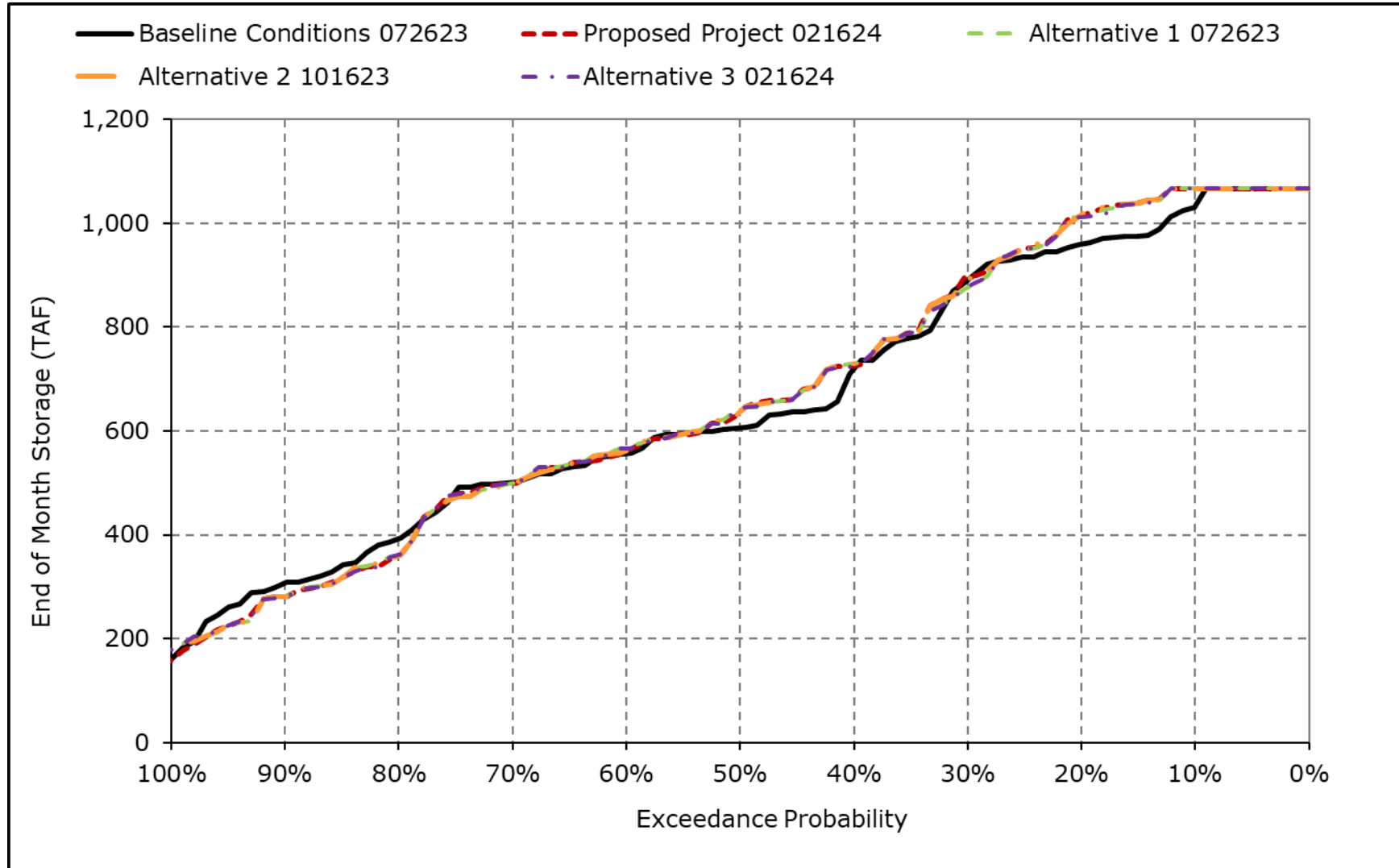
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-1f. San Luis SWP Storage, March



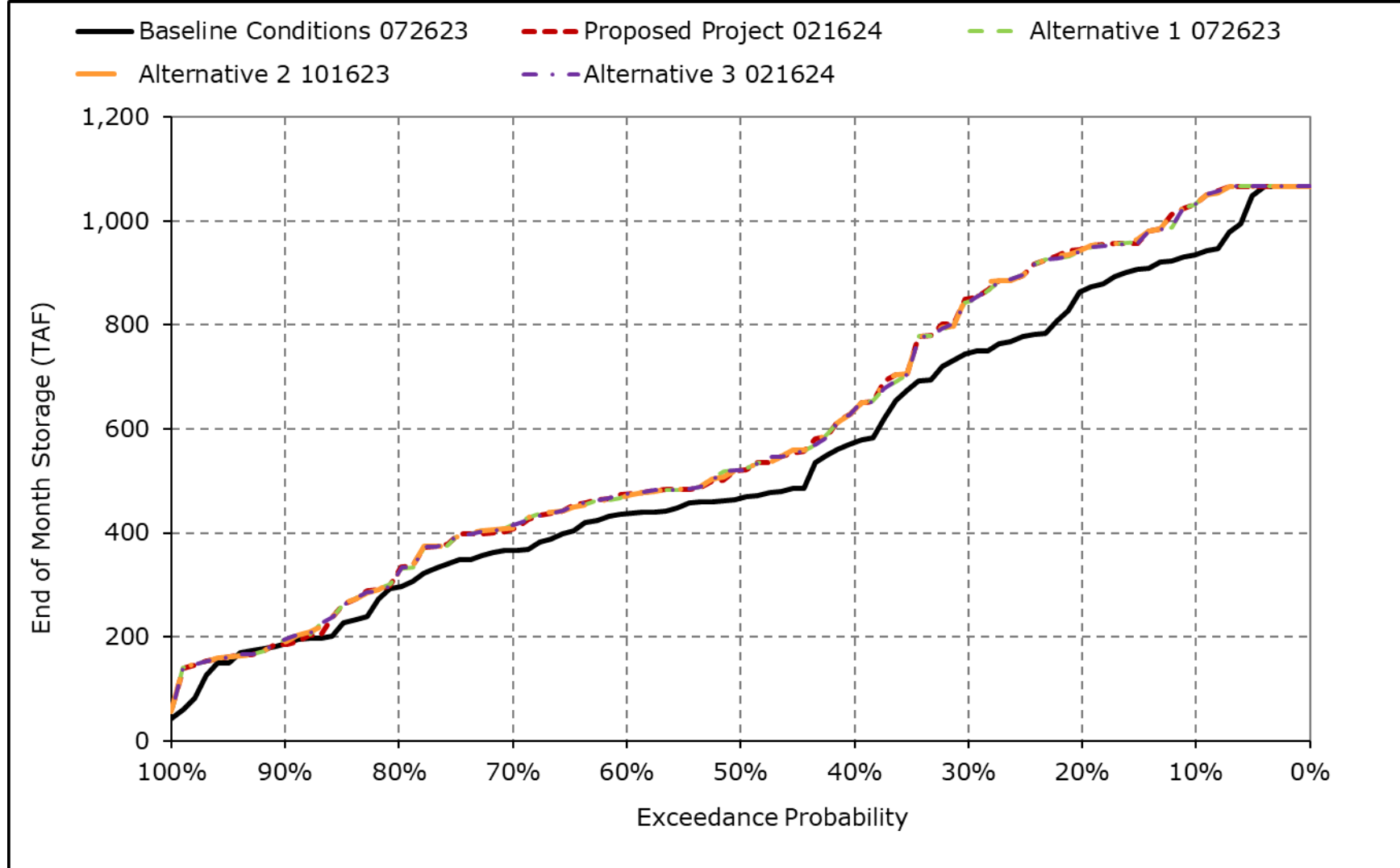
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-1g. San Luis SWP Storage, April



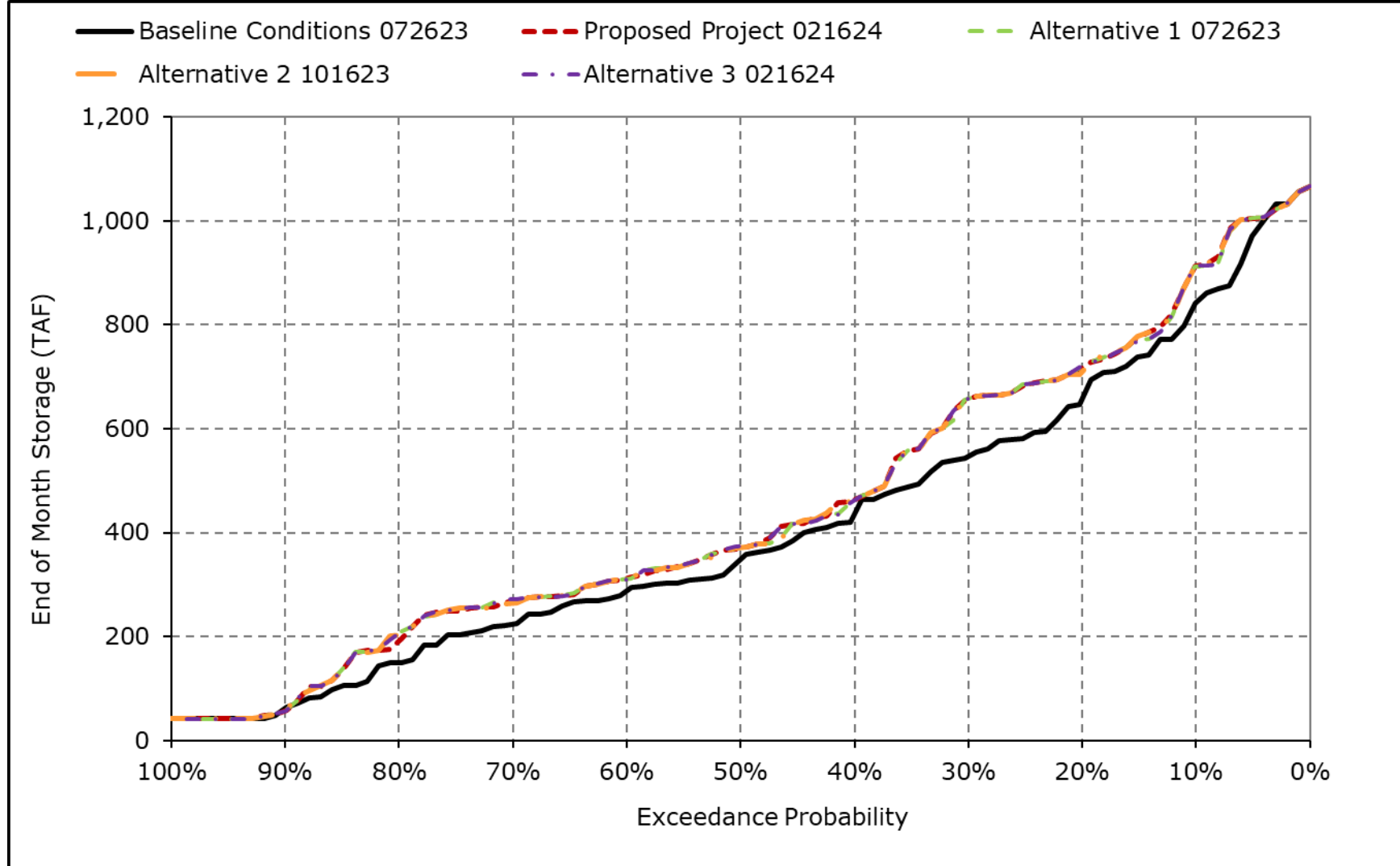
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-1h. San Luis SWP Storage, May



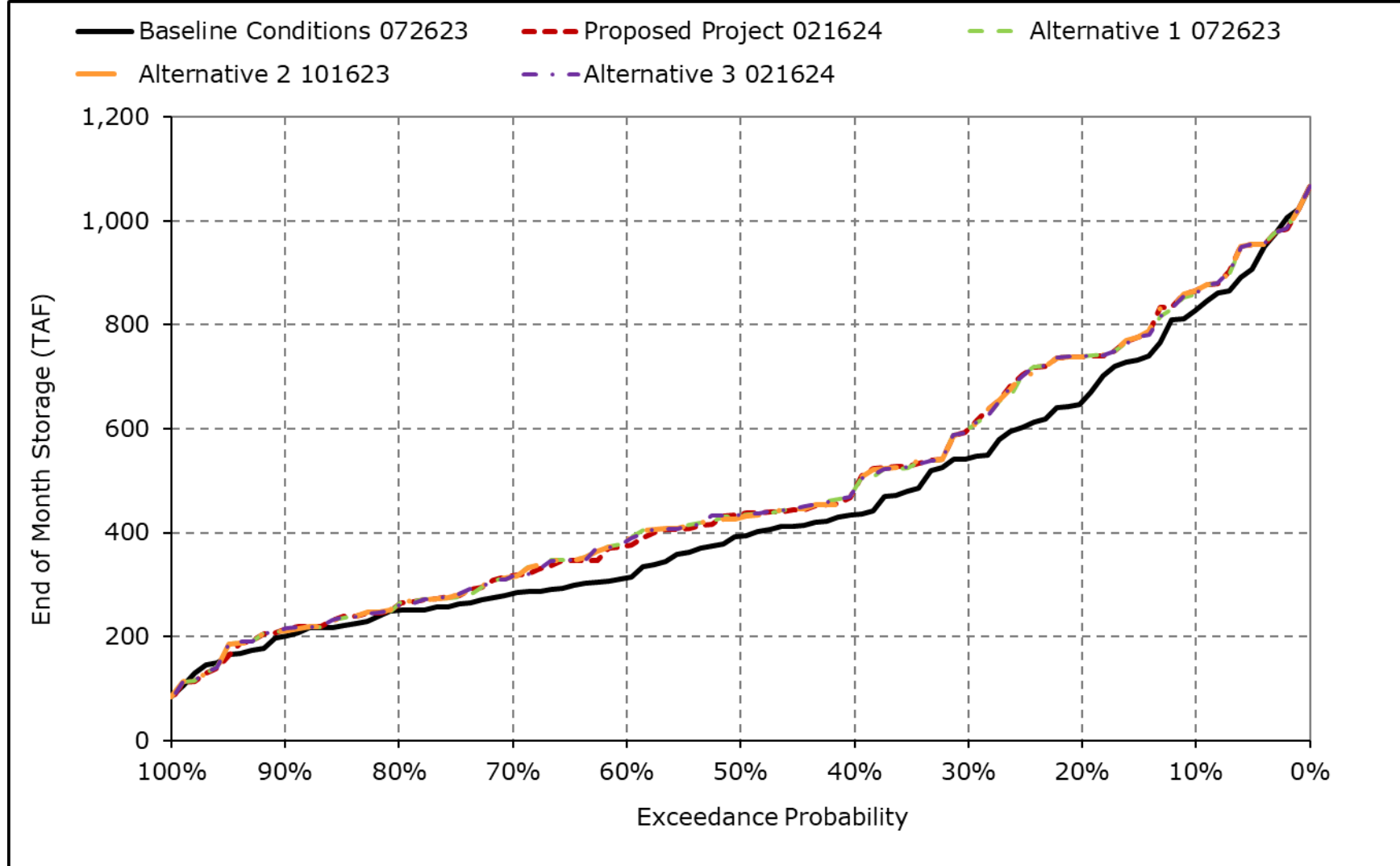
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-1i. San Luis SWP Storage, June



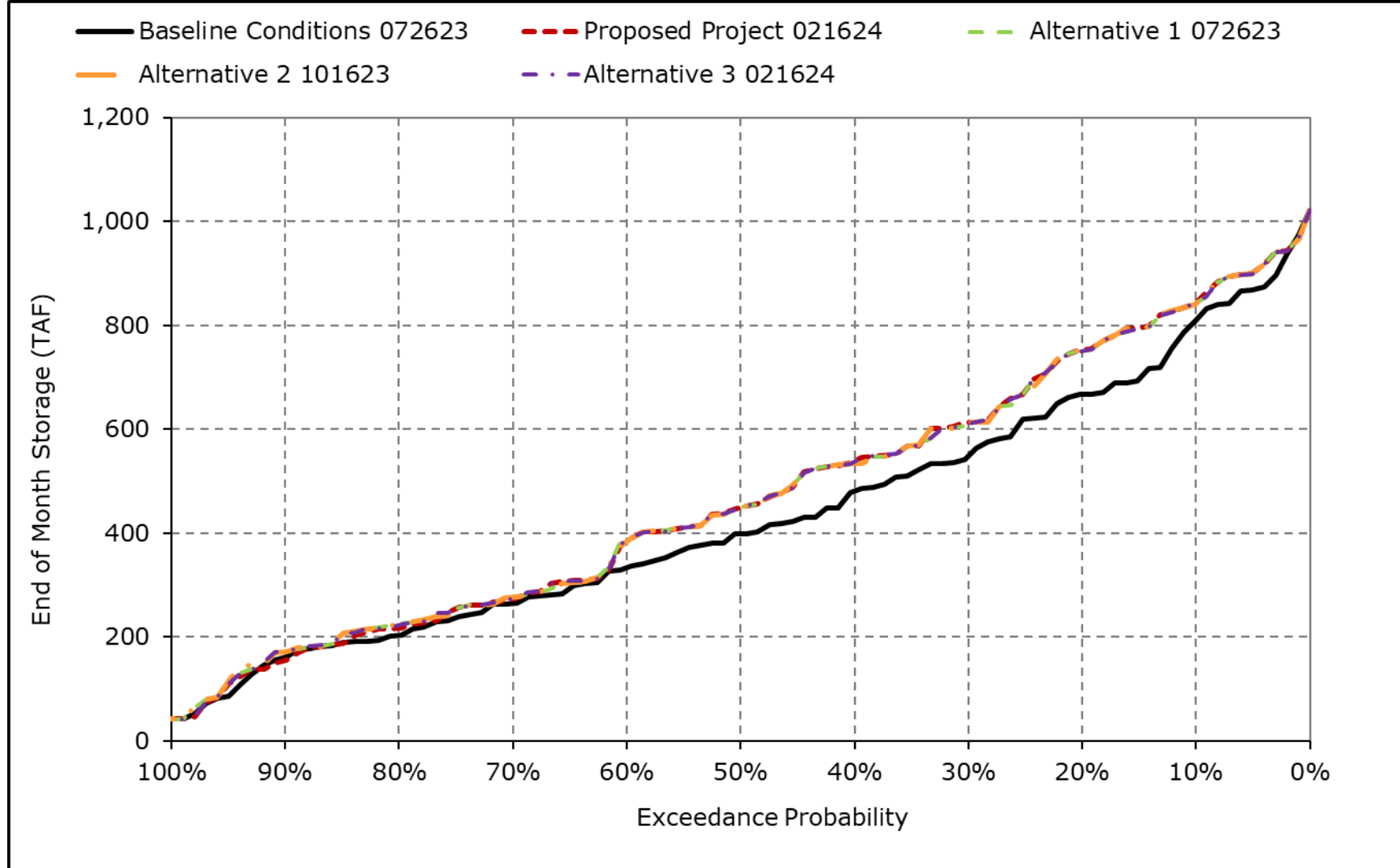
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-1j. San Luis SWP Storage, July



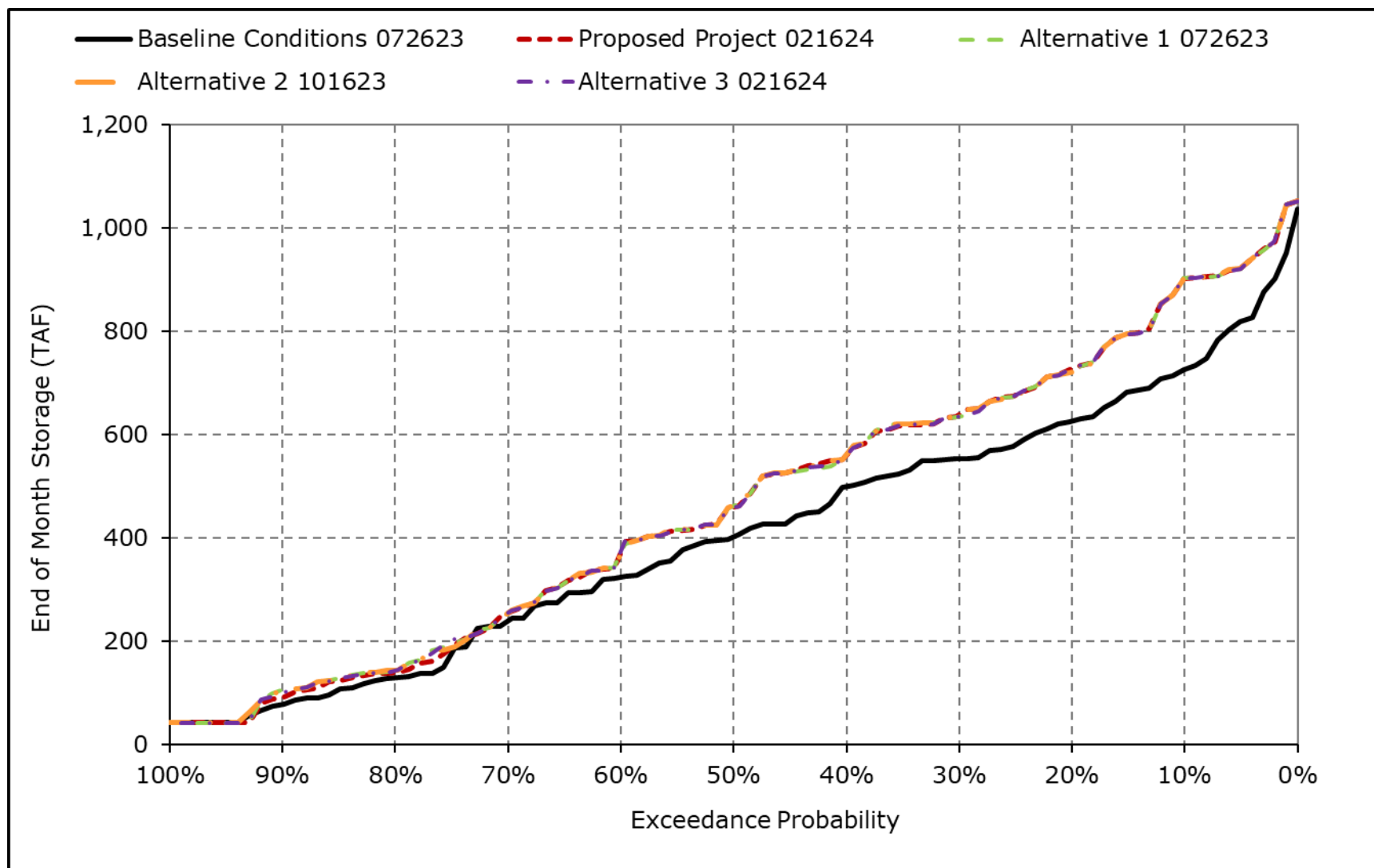
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-1k. San Luis SWP Storage, August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-1I. San Luis SWP Storage, September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 4C-2-2-1a. San Luis Storage (CVP and SWP), Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,257	1,492	1,786	1,837	2,029	2,039	2,006	1,858	1,623	1,396	1,264	1,265
20% Exceedance	866	1,149	1,438	1,619	1,768	2,039	1,884	1,705	1,318	994	779	779
30% Exceedance	741	1,046	1,269	1,457	1,675	1,743	1,735	1,490	1,027	797	656	672
40% Exceedance	674	878	1,159	1,330	1,552	1,638	1,399	1,135	857	622	542	595
50% Exceedance	529	757	1,036	1,235	1,418	1,530	1,326	993	708	557	466	501
60% Exceedance	401	685	940	1,150	1,330	1,436	1,249	909	594	477	409	456
70% Exceedance	359	498	823	993	1,166	1,294	1,104	837	492	447	359	384
80% Exceedance	275	359	552	888	1,071	1,111	958	666	378	373	284	268
90% Exceedance	199	263	408	585	799	979	844	546	298	301	241	220
Full Simulation Period Average ^a	616	808	1,050	1,226	1,404	1,520	1,383	1,135	838	695	577	586
Wet Water Years (30%)	734	999	1,282	1,504	1,724	1,862	1,837	1,651	1,337	1,106	933	916
Above Normal Water Years (11%)	573	793	1,053	1,276	1,510	1,631	1,496	1,256	893	701	659	630
Below Normal Water Years (21%)	675	890	1,122	1,253	1,397	1,494	1,232	861	509	465	491	579
Dry Water Years (22%)	597	758	996	1,112	1,220	1,324	1,111	795	523	485	311	314
Critical Water Years (16%)	370	425	594	789	994	1,105	1,029	912	727	513	328	320

Table 4C-2-2-1b. San Luis Storage (CVP and SWP), Proposed Project 021624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,334	1,508	1,857	1,907	2,027	2,039	2,039	1,934	1,702	1,414	1,300	1,326
20% Exceedance	960	1,247	1,538	1,652	1,787	2,039	1,940	1,790	1,345	1,017	841	859
30% Exceedance	839	1,117	1,348	1,483	1,707	1,786	1,725	1,624	1,151	878	726	759
40% Exceedance	703	927	1,205	1,357	1,579	1,637	1,495	1,168	838	663	616	663
50% Exceedance	547	789	1,074	1,228	1,432	1,500	1,317	1,021	725	563	503	559
60% Exceedance	439	648	958	1,159	1,289	1,408	1,207	956	611	497	449	471
70% Exceedance	371	517	822	1,038	1,178	1,229	1,103	832	486	452	355	382
80% Exceedance	304	377	585	862	1,019	1,085	922	680	407	391	294	282
90% Exceedance	226	303	341	585	796	975	828	564	251	312	239	219
Full Simulation Period Average ^a	664	852	1,086	1,242	1,402	1,499	1,377	1,179	858	721	612	641
Wet Water Years (30%)	790	1,044	1,311	1,510	1,727	1,855	1,837	1,727	1,391	1,154	995	1,037
Above Normal Water Years (11%)	620	838	1,117	1,325	1,527	1,625	1,518	1,343	930	745	700	709
Below Normal Water Years (21%)	742	949	1,180	1,299	1,424	1,484	1,252	944	562	522	550	625
Dry Water Years (22%)	641	799	1,020	1,123	1,192	1,274	1,068	775	482	465	311	309
Critical Water Years (16%)	388	444	608	774	967	1,075	1,008	906	717	508	331	328

Table 4C-2-2-1c. San Luis Storage (CVP and SWP), Proposed Project 021624 minus Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	77	16	70	70	-2	0	33	77	79	18	36	60
20% Exceedance	93	98	100	33	19	0	56	85	27	22	62	79
30% Exceedance	98	71	79	26	32	43	-10	135	124	80	69	87
40% Exceedance	29	50	46	27	26	-1	96	33	-19	41	75	69
50% Exceedance	18	33	38	-7	14	-29	-9	28	17	6	38	58
60% Exceedance	38	-37	17	9	-42	-28	-42	46	17	20	39	15
70% Exceedance	12	19	-1	44	12	-64	-1	-5	-7	6	-4	-1
80% Exceedance	29	18	33	-25	-51	-26	-36	14	28	18	10	14
90% Exceedance	27	41	-67	0	-3	-4	-17	18	-47	12	-1	-1
Full Simulation Period Average ^a	48	43	35	17	-2	-21	-6	44	20	26	36	54
Wet Water Years (30%)	56	46	29	6	2	-7	1	76	53	49	62	120
Above Normal Water Years (11%)	47	44	64	49	18	-6	22	86	37	44	40	79
Below Normal Water Years (21%)	67	59	58	45	27	-10	20	83	53	57	59	46
Dry Water Years (22%)	44	41	24	10	-28	-50	-43	-19	-42	-20	-1	-5
Critical Water Years (16%)	18	19	14	-15	-27	-30	-21	-6	-10	-5	3	8

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-2-2-2a. San Luis Storage (CVP and SWP), Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,257	1,492	1,786	1,837	2,029	2,039	2,006	1,858	1,623	1,396	1,264	1,265
20% Exceedance	866	1,149	1,438	1,619	1,768	2,039	1,884	1,705	1,318	994	779	779
30% Exceedance	741	1,046	1,269	1,457	1,675	1,743	1,735	1,490	1,027	797	656	672
40% Exceedance	674	878	1,159	1,330	1,552	1,638	1,399	1,135	857	622	542	595
50% Exceedance	529	757	1,036	1,235	1,418	1,530	1,326	993	708	557	466	501
60% Exceedance	401	685	940	1,150	1,330	1,436	1,249	909	594	477	409	456
70% Exceedance	359	498	823	993	1,166	1,294	1,104	837	492	447	359	384
80% Exceedance	275	359	552	888	1,071	1,111	958	666	378	373	284	268
90% Exceedance	199	263	408	585	799	979	844	546	298	301	241	220
Full Simulation Period Average ^a	616	808	1,050	1,226	1,404	1,520	1,383	1,135	838	695	577	586
Wet Water Years (30%)	734	999	1,282	1,504	1,724	1,862	1,837	1,651	1,337	1,106	933	916
Above Normal Water Years (11%)	573	793	1,053	1,276	1,510	1,631	1,496	1,256	893	701	659	630
Below Normal Water Years (21%)	675	890	1,122	1,253	1,397	1,494	1,232	861	509	465	491	579
Dry Water Years (22%)	597	758	996	1,112	1,220	1,324	1,111	795	523	485	311	314
Critical Water Years (16%)	370	425	594	789	994	1,105	1,029	912	727	513	328	320

Table 4C-2-2-2b. San Luis Storage (CVP and SWP), Alternative 1 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,337	1,509	1,853	1,908	2,027	2,039	2,039	1,916	1,702	1,411	1,300	1,324
20% Exceedance	959	1,254	1,542	1,661	1,788	2,039	1,942	1,787	1,345	1,016	841	859
30% Exceedance	839	1,117	1,349	1,481	1,696	1,763	1,723	1,624	1,151	878	722	760
40% Exceedance	704	933	1,176	1,357	1,565	1,635	1,495	1,172	838	666	611	664
50% Exceedance	547	786	1,079	1,232	1,427	1,495	1,314	1,019	728	573	506	558
60% Exceedance	438	648	954	1,155	1,289	1,417	1,214	969	624	502	448	472
70% Exceedance	372	517	824	1,016	1,202	1,264	1,109	831	492	453	353	382
80% Exceedance	302	376	566	848	1,029	1,086	917	686	411	413	300	295
90% Exceedance	211	294	425	595	809	951	828	567	317	312	257	237
Full Simulation Period Average ^a	666	854	1,085	1,243	1,406	1,503	1,382	1,184	862	724	613	642
Wet Water Years (30%)	790	1,044	1,308	1,509	1,725	1,852	1,835	1,725	1,390	1,153	994	1,036
Above Normal Water Years (11%)	618	834	1,098	1,307	1,510	1,608	1,513	1,337	926	740	695	710
Below Normal Water Years (21%)	742	949	1,179	1,300	1,426	1,485	1,252	944	562	522	550	625
Dry Water Years (22%)	641	799	1,020	1,124	1,204	1,287	1,080	787	491	474	317	317
Critical Water Years (16%)	398	460	625	793	986	1,096	1,029	926	731	516	331	329

Table 4C-2-2-2c. San Luis Storage (CVP and SWP), Alternative 1 072623 minus Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	79	16	66	71	-2	0	33	58	79	15	36	58
20% Exceedance	93	105	104	42	21	0	58	82	27	22	62	79
30% Exceedance	98	71	80	23	21	20	-12	135	124	80	66	88
40% Exceedance	30	55	17	26	13	-2	96	37	-19	43	69	69
50% Exceedance	18	29	43	-3	8	-35	-12	26	20	16	41	58
60% Exceedance	37	-37	14	5	-42	-19	-35	59	30	25	38	16
70% Exceedance	13	20	1	22	36	-30	5	-6	-1	6	-6	-2
80% Exceedance	27	17	14	-39	-42	-25	-41	20	33	40	16	27
90% Exceedance	12	32	16	10	10	-28	-16	21	19	11	16	17
Full Simulation Period Average ^a	50	45	35	18	1	-17	-1	49	24	29	36	56
Wet Water Years (30%)	56	45	26	5	1	-10	-1	74	52	47	61	120
Above Normal Water Years (11%)	45	41	45	31	0	-24	16	81	32	39	35	80
Below Normal Water Years (21%)	67	59	57	46	29	-10	21	83	53	57	59	45
Dry Water Years (22%)	44	42	24	12	-17	-38	-31	-7	-33	-11	6	2
Critical Water Years (16%)	27	35	31	4	-8	-9	-1	14	4	3	4	8

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-2-2-3a. San Luis Storage (CVP and SWP), Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,257	1,492	1,786	1,837	2,029	2,039	2,006	1,858	1,623	1,396	1,264	1,265
20% Exceedance	866	1,149	1,438	1,619	1,768	2,039	1,884	1,705	1,318	994	779	779
30% Exceedance	741	1,046	1,269	1,457	1,675	1,743	1,735	1,490	1,027	797	656	672
40% Exceedance	674	878	1,159	1,330	1,552	1,638	1,399	1,135	857	622	542	595
50% Exceedance	529	757	1,036	1,235	1,418	1,530	1,326	993	708	557	466	501
60% Exceedance	401	685	940	1,150	1,330	1,436	1,249	909	594	477	409	456
70% Exceedance	359	498	823	993	1,166	1,294	1,104	837	492	447	359	384
80% Exceedance	275	359	552	888	1,071	1,111	958	666	378	373	284	268
90% Exceedance	199	263	408	585	799	979	844	546	298	301	241	220
Full Simulation Period Average ^a	616	808	1,050	1,226	1,404	1,520	1,383	1,135	838	695	577	586
Wet Water Years (30%)	734	999	1,282	1,504	1,724	1,862	1,837	1,651	1,337	1,106	933	916
Above Normal Water Years (11%)	573	793	1,053	1,276	1,510	1,631	1,496	1,256	893	701	659	630
Below Normal Water Years (21%)	675	890	1,122	1,253	1,397	1,494	1,232	861	509	465	491	579
Dry Water Years (22%)	597	758	996	1,112	1,220	1,324	1,111	795	523	485	311	314
Critical Water Years (16%)	370	425	594	789	994	1,105	1,029	912	727	513	328	320

Table 4C-2-2-3b. San Luis Storage (CVP and SWP), Alternative 2 101623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,334	1,508	1,857	1,908	2,027	2,039	2,039	1,934	1,702	1,412	1,300	1,326
20% Exceedance	959	1,251	1,536	1,652	1,789	2,039	1,942	1,787	1,345	1,016	841	859
30% Exceedance	839	1,118	1,350	1,488	1,707	1,765	1,734	1,624	1,151	878	731	760
40% Exceedance	704	929	1,206	1,357	1,566	1,638	1,496	1,173	838	666	609	667
50% Exceedance	547	790	1,080	1,237	1,428	1,495	1,321	1,019	725	573	506	559
60% Exceedance	438	648	954	1,156	1,289	1,417	1,215	960	624	503	448	471
70% Exceedance	373	518	823	1,013	1,203	1,263	1,110	831	497	453	353	382
80% Exceedance	302	375	563	853	1,017	1,086	918	687	411	413	300	297
90% Exceedance	225	295	425	596	809	951	828	565	310	316	257	237
Full Simulation Period Average ^a	666	854	1,087	1,244	1,406	1,503	1,383	1,185	862	724	614	643
Wet Water Years (30%)	791	1,044	1,312	1,511	1,727	1,854	1,837	1,727	1,391	1,154	995	1,037
Above Normal Water Years (11%)	619	834	1,103	1,310	1,512	1,609	1,513	1,337	925	740	694	708
Below Normal Water Years (21%)	743	950	1,180	1,300	1,425	1,485	1,254	945	563	523	551	626
Dry Water Years (22%)	641	799	1,020	1,124	1,203	1,286	1,079	787	490	474	318	317
Critical Water Years (16%)	397	458	624	792	985	1,095	1,028	925	731	516	331	329

Table 4C-2-2-3c. San Luis Storage (CVP and SWP), Alternative 2 101623 minus Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	77	16	70	71	-2	0	33	77	79	15	36	61
20% Exceedance	93	102	98	34	21	0	58	82	27	22	62	79
30% Exceedance	98	72	81	31	31	22	-1	135	124	80	74	88
40% Exceedance	30	52	47	27	13	0	97	38	-19	43	68	72
50% Exceedance	18	33	44	1	10	-35	-5	26	17	16	41	58
60% Exceedance	37	-37	14	6	-42	-19	-34	51	31	26	38	16
70% Exceedance	14	20	0	20	37	-31	6	-6	4	6	-6	-2
80% Exceedance	26	16	11	-35	-54	-25	-40	20	33	40	16	29
90% Exceedance	26	32	16	11	9	-28	-16	19	12	15	16	17
Full Simulation Period Average ^a	50	45	37	19	2	-17	-1	50	24	29	37	56
Wet Water Years (30%)	57	46	30	7	3	-8	0	76	54	49	62	120
Above Normal Water Years (11%)	46	40	50	34	2	-22	17	81	32	39	34	78
Below Normal Water Years (21%)	68	59	58	47	28	-9	22	84	54	58	60	47
Dry Water Years (22%)	44	41	24	12	-17	-39	-32	-8	-33	-11	7	3
Critical Water Years (16%)	27	33	30	3	-9	-10	-2	13	4	3	4	8

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-2-2-4a. San Luis Storage (CVP and SWP), Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,257	1,492	1,786	1,837	2,029	2,039	2,006	1,858	1,623	1,396	1,264	1,265
20% Exceedance	866	1,149	1,438	1,619	1,768	2,039	1,884	1,705	1,318	994	779	779
30% Exceedance	741	1,046	1,269	1,457	1,675	1,743	1,735	1,490	1,027	797	656	672
40% Exceedance	674	878	1,159	1,330	1,552	1,638	1,399	1,135	857	622	542	595
50% Exceedance	529	757	1,036	1,235	1,418	1,530	1,326	993	708	557	466	501
60% Exceedance	401	685	940	1,150	1,330	1,436	1,249	909	594	477	409	456
70% Exceedance	359	498	823	993	1,166	1,294	1,104	837	492	447	359	384
80% Exceedance	275	359	552	888	1,071	1,111	958	666	378	373	284	268
90% Exceedance	199	263	408	585	799	979	844	546	298	301	241	220
Full Simulation Period Average ^a	616	808	1,050	1,226	1,404	1,520	1,383	1,135	838	695	577	586
Wet Water Years (30%)	734	999	1,282	1,504	1,724	1,862	1,837	1,651	1,337	1,106	933	916
Above Normal Water Years (11%)	573	793	1,053	1,276	1,510	1,631	1,496	1,256	893	701	659	630
Below Normal Water Years (21%)	675	890	1,122	1,253	1,397	1,494	1,232	861	509	465	491	579
Dry Water Years (22%)	597	758	996	1,112	1,220	1,324	1,111	795	523	485	311	314
Critical Water Years (16%)	370	425	594	789	994	1,105	1,029	912	727	513	328	320

Table 4C-2-2-4b. San Luis Storage (CVP and SWP), Alternative 3 021624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,339	1,508	1,852	1,907	2,027	2,039	2,039	1,933	1,702	1,414	1,300	1,326
20% Exceedance	959	1,253	1,544	1,662	1,787	2,039	1,935	1,790	1,345	1,016	841	859
30% Exceedance	839	1,115	1,348	1,477	1,698	1,781	1,722	1,624	1,151	878	724	759
40% Exceedance	702	933	1,176	1,357	1,585	1,634	1,495	1,168	838	663	617	657
50% Exceedance	547	786	1,074	1,228	1,432	1,500	1,314	1,019	725	576	509	559
60% Exceedance	438	648	953	1,159	1,290	1,414	1,215	968	624	502	449	472
70% Exceedance	371	516	824	1,033	1,201	1,262	1,110	841	488	453	354	382
80% Exceedance	304	377	585	862	1,019	1,085	922	680	406	390	299	290
90% Exceedance	226	303	341	585	797	976	828	564	317	317	253	237
Full Simulation Period Average ^a	665	852	1,085	1,243	1,405	1,502	1,381	1,183	861	724	613	642
Wet Water Years (30%)	790	1,045	1,309	1,510	1,726	1,853	1,836	1,726	1,390	1,153	994	1,036
Above Normal Water Years (11%)	621	840	1,115	1,324	1,526	1,624	1,517	1,342	929	744	699	709
Below Normal Water Years (21%)	741	949	1,180	1,299	1,425	1,484	1,252	943	562	522	550	624
Dry Water Years (22%)	640	799	1,020	1,123	1,203	1,286	1,080	787	491	473	316	314
Critical Water Years (16%)	394	448	608	781	974	1,084	1,017	914	724	513	332	329

Table 4C-2-2-4c. San Luis Storage (CVP and SWP), Alternative 3 021624 minus Baseline Conditions 072623, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	82	16	66	70	-2	0	33	75	79	18	36	61
20% Exceedance	92	104	105	44	19	0	51	85	27	22	62	79
30% Exceedance	98	70	79	20	23	38	-13	135	124	80	68	87
40% Exceedance	29	55	17	27	32	-3	96	33	-19	41	75	62
50% Exceedance	18	29	38	-7	13	-30	-13	26	17	19	43	58
60% Exceedance	38	-37	13	9	-40	-22	-34	58	30	25	39	16
70% Exceedance	13	19	1	40	36	-32	6	3	-4	6	-5	-2
80% Exceedance	29	18	34	-25	-51	-26	-36	14	28	18	15	22
90% Exceedance	27	40	-67	0	-2	-3	-16	17	19	16	12	17
Full Simulation Period Average ^a	49	44	34	18	1	-18	-3	48	23	28	37	55
Wet Water Years (30%)	56	46	27	6	2	-9	-1	74	52	47	61	120
Above Normal Water Years (11%)	48	47	62	48	16	-7	21	85	36	43	39	78
Below Normal Water Years (21%)	66	59	58	45	28	-10	20	82	53	57	59	45
Dry Water Years (22%)	44	41	24	11	-17	-39	-31	-8	-33	-12	5	0
Critical Water Years (16%)	24	23	14	-8	-20	-21	-13	2	-3	0	4	8

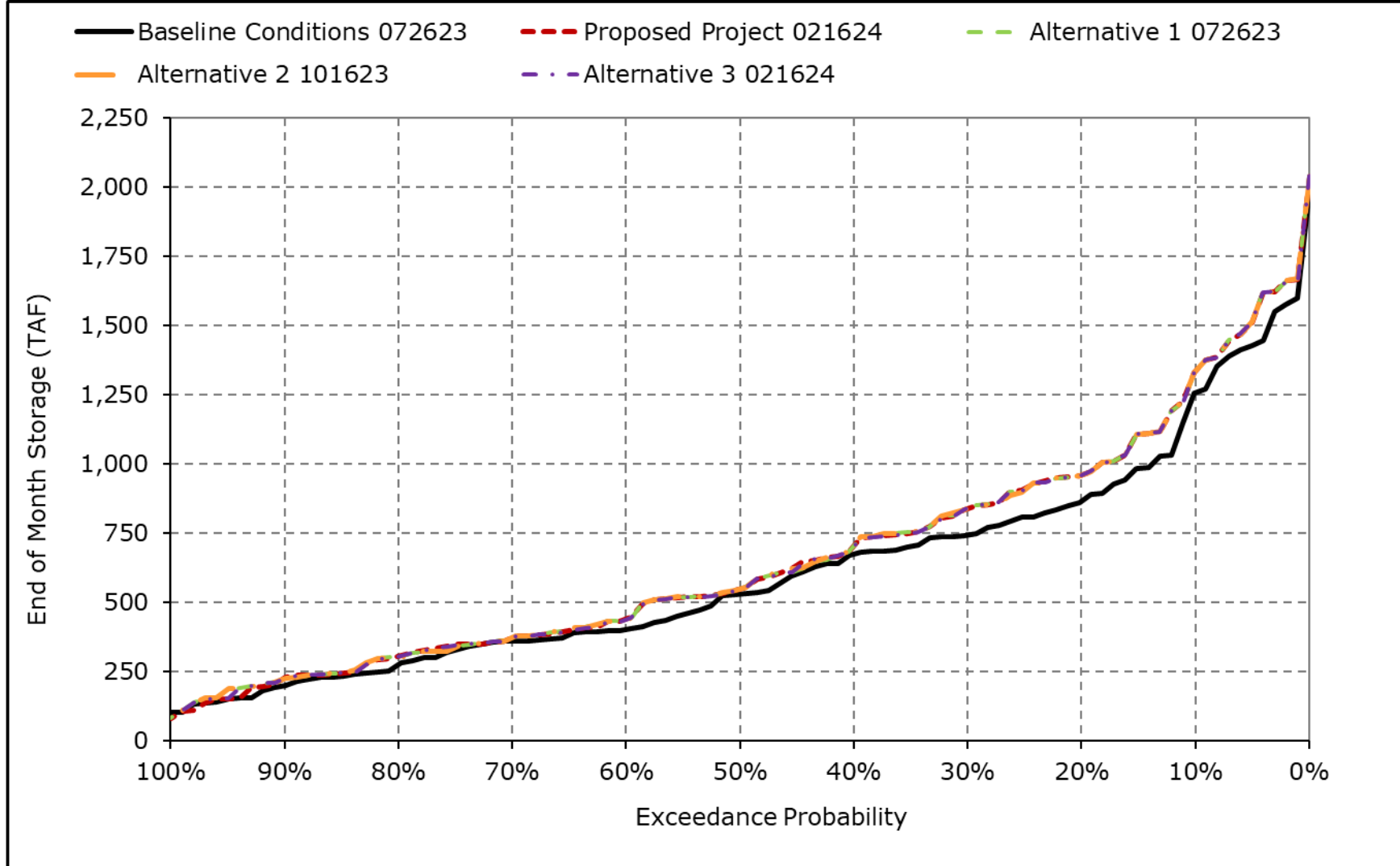
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

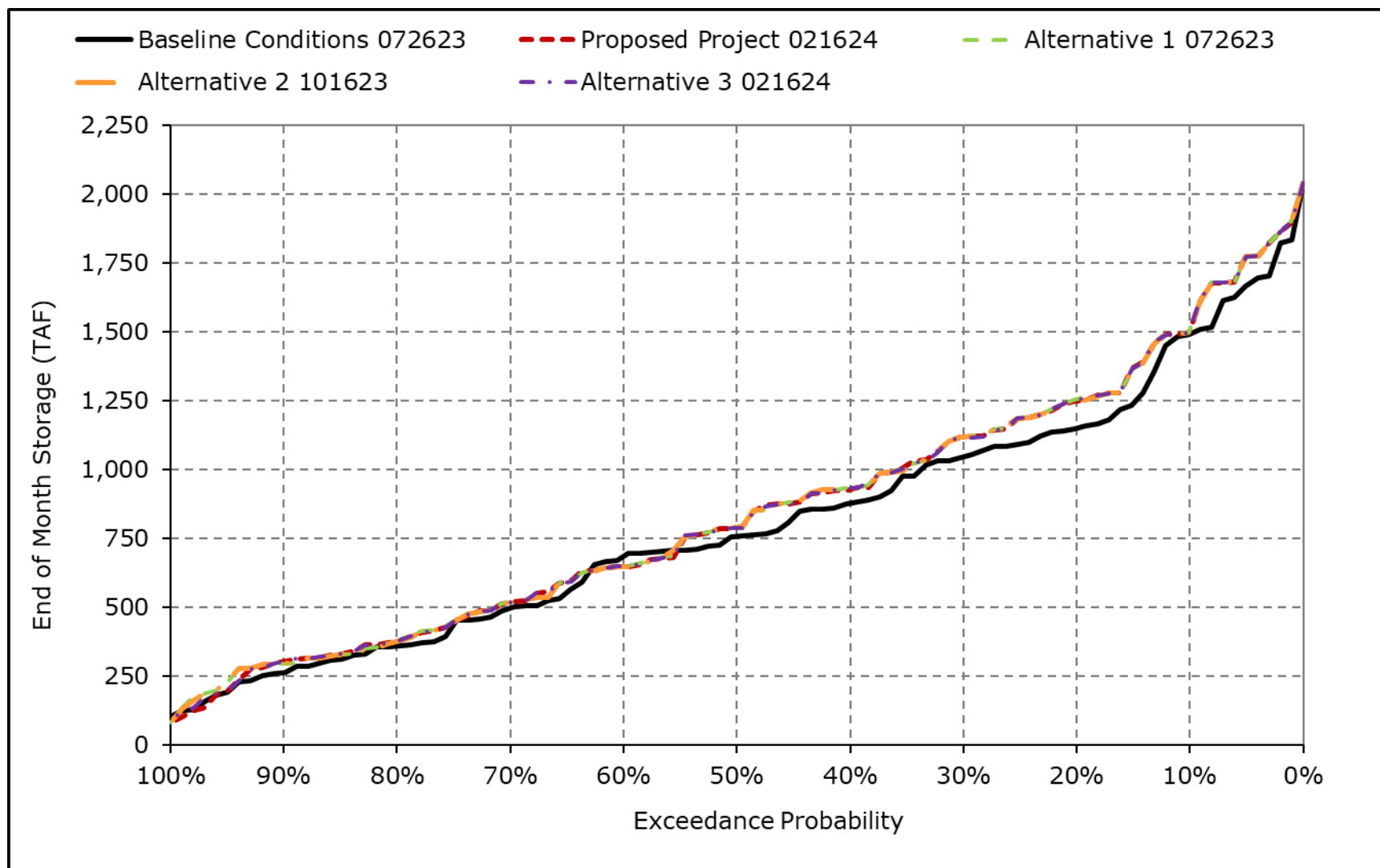
* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-2-2a. San Luis Storage (CVP and SWP), October



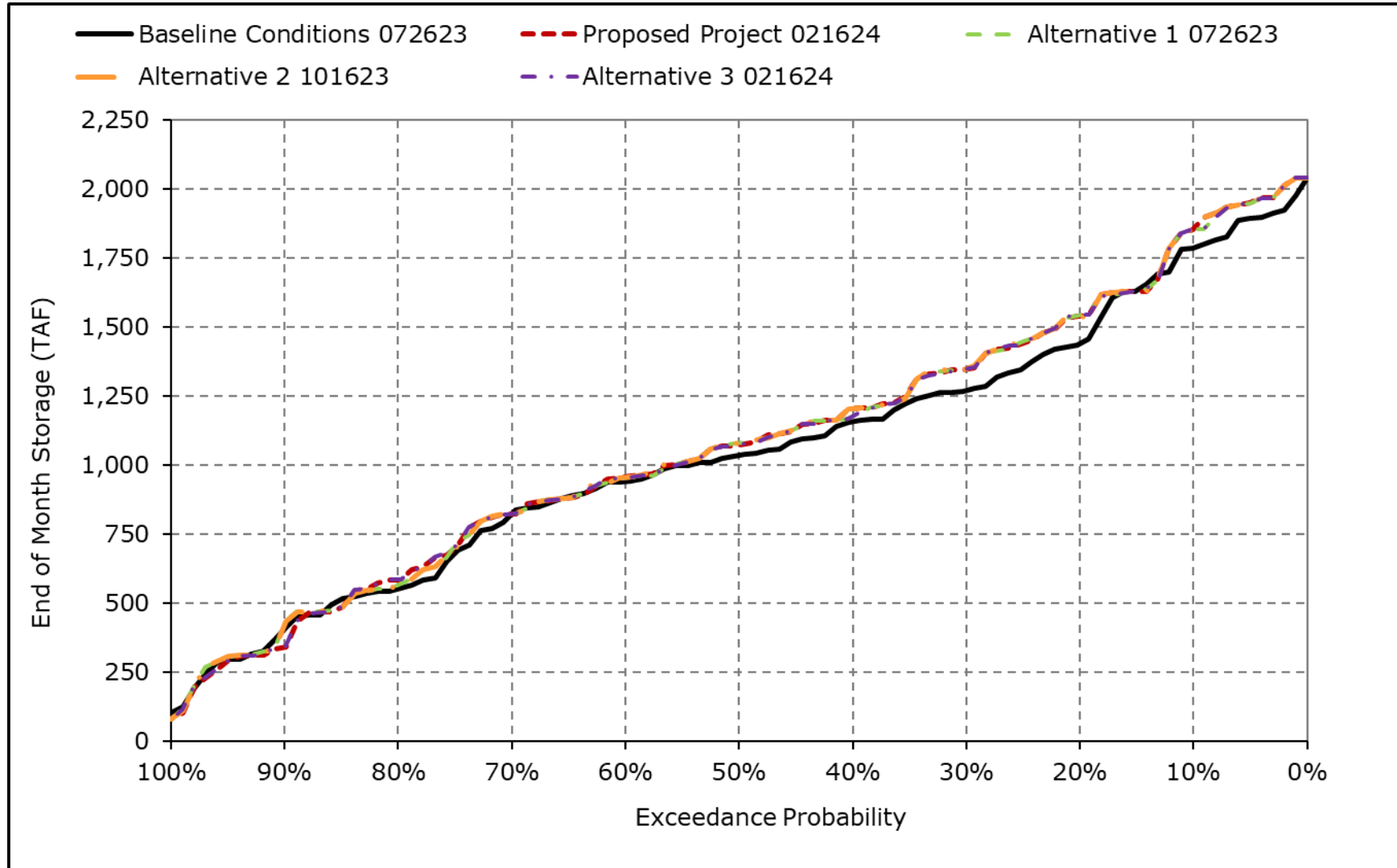
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-2b. San Luis Storage (CVP and SWP), November



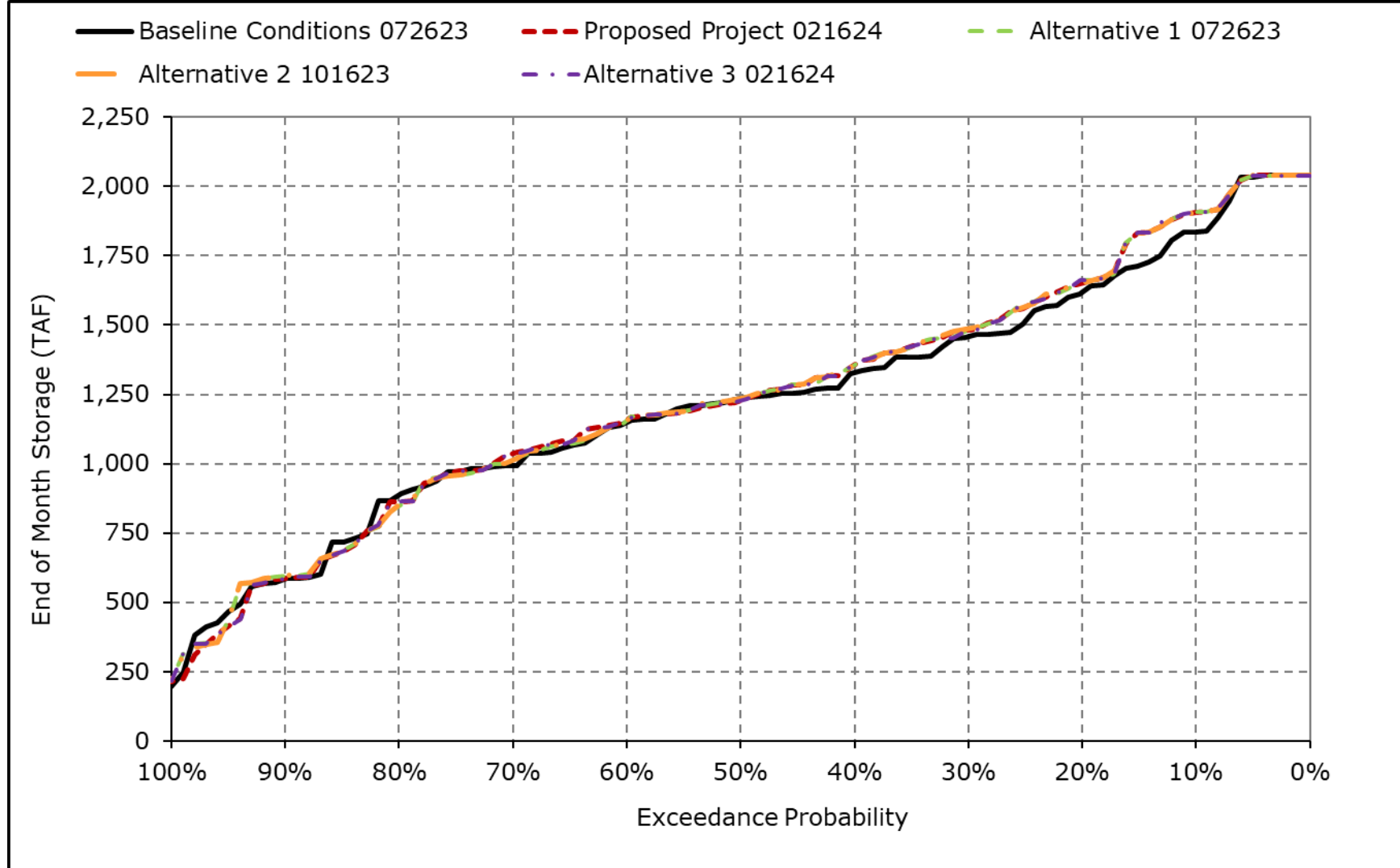
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-2c. San Luis Storage (CVP and SWP), December



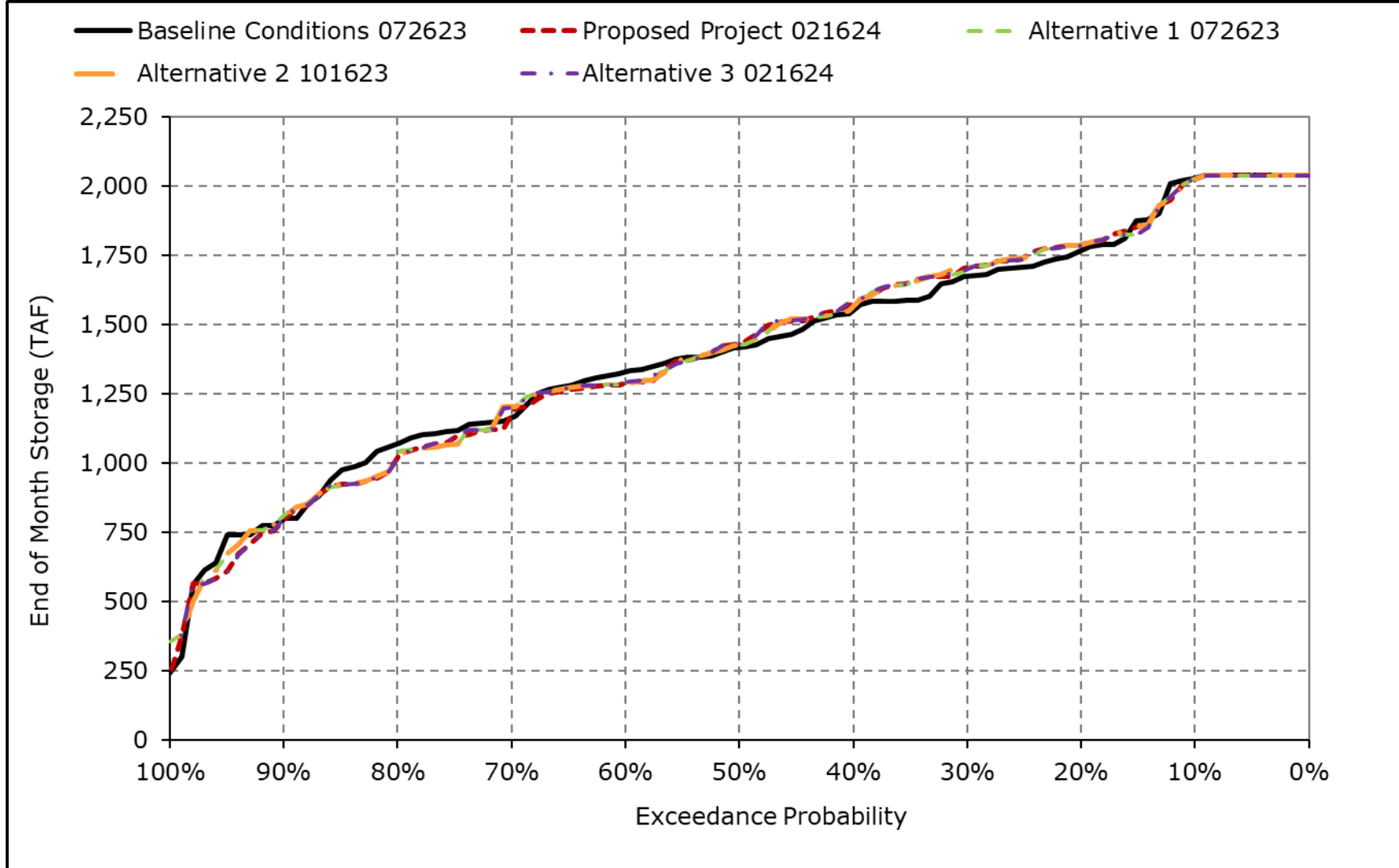
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-2d. San Luis Storage (CVP and SWP), January



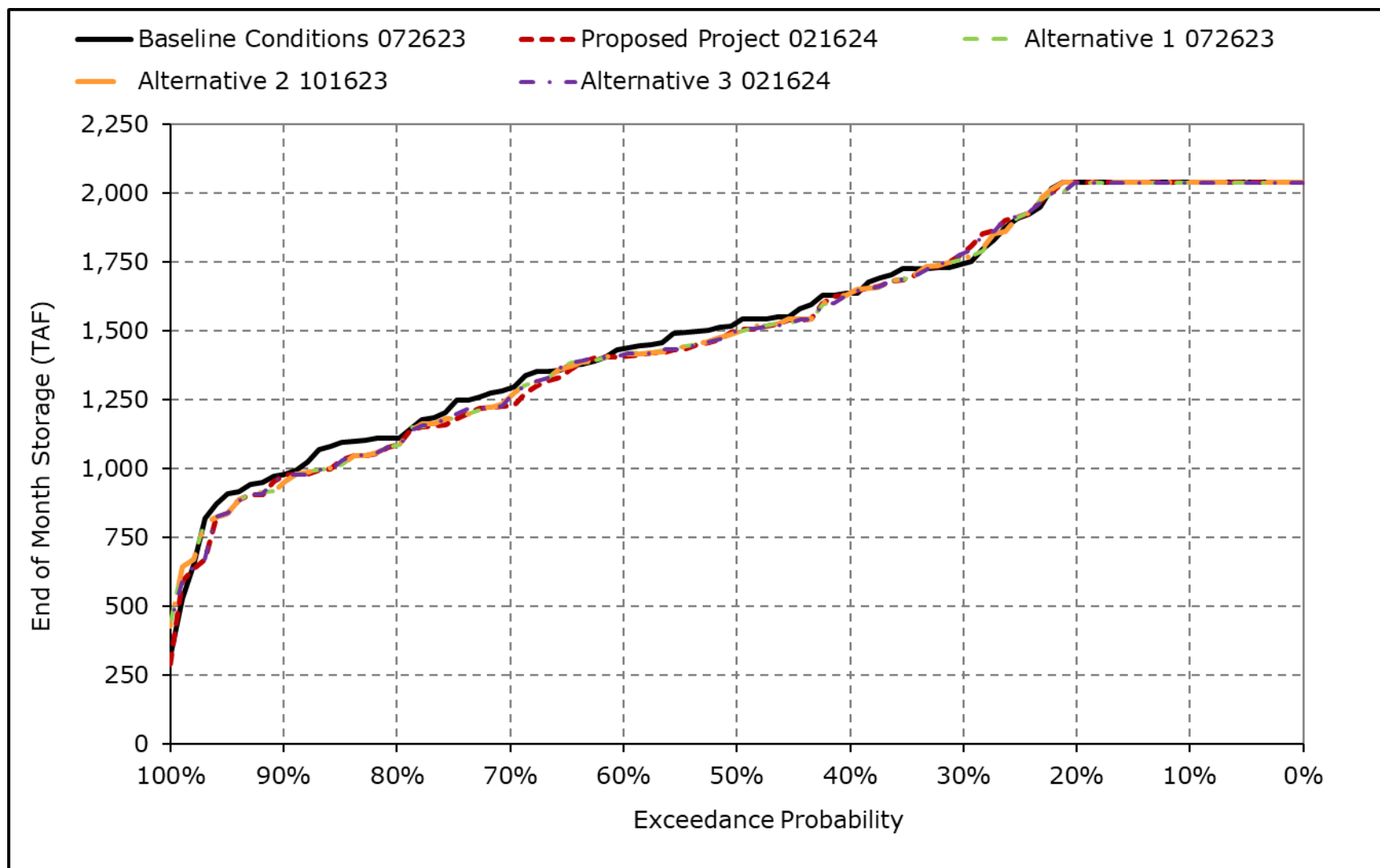
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-2e. San Luis Storage (CVP and SWP), February



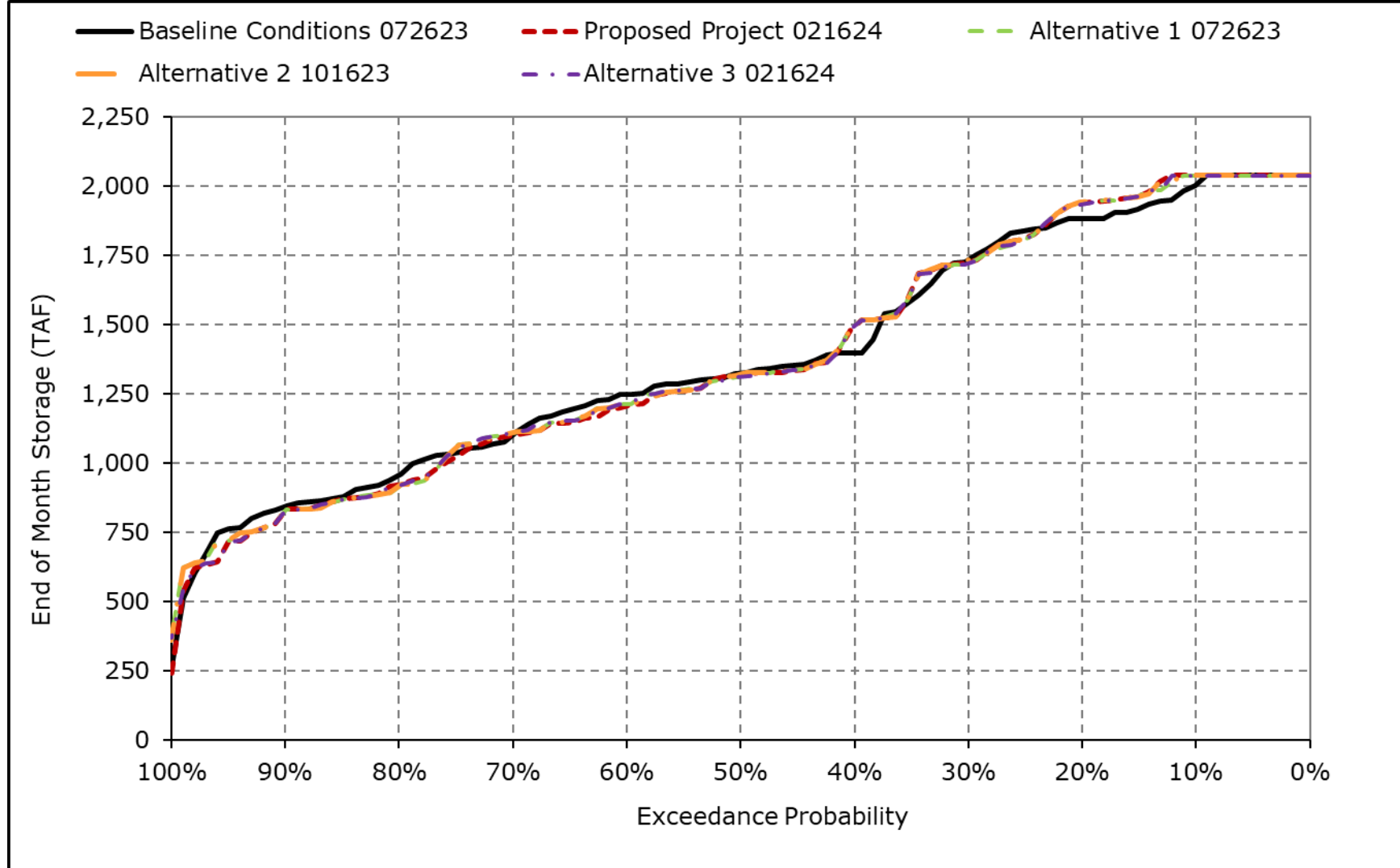
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-2f. San Luis Storage (CVP and SWP), March



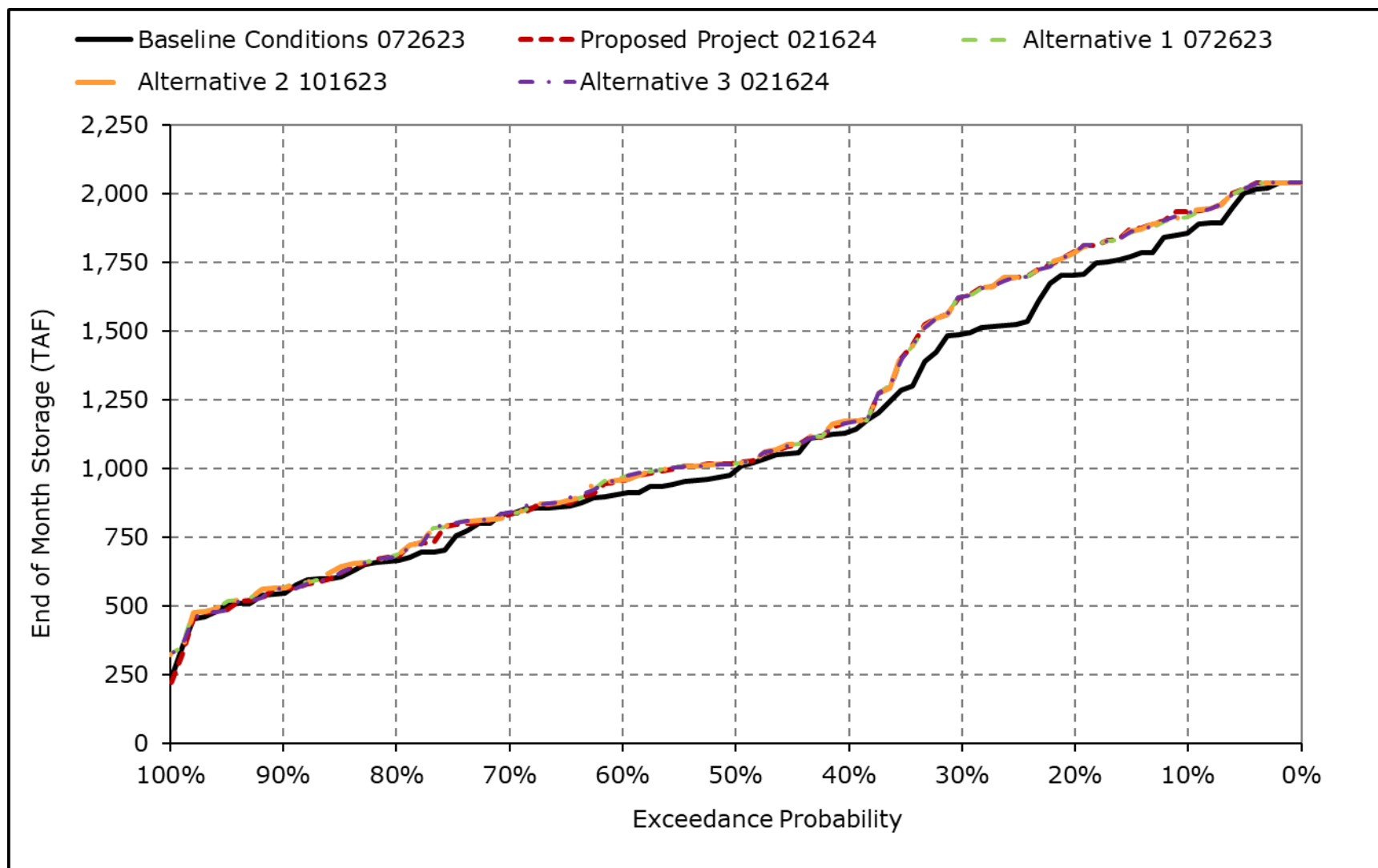
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-2g. San Luis Storage (CVP and SWP), April



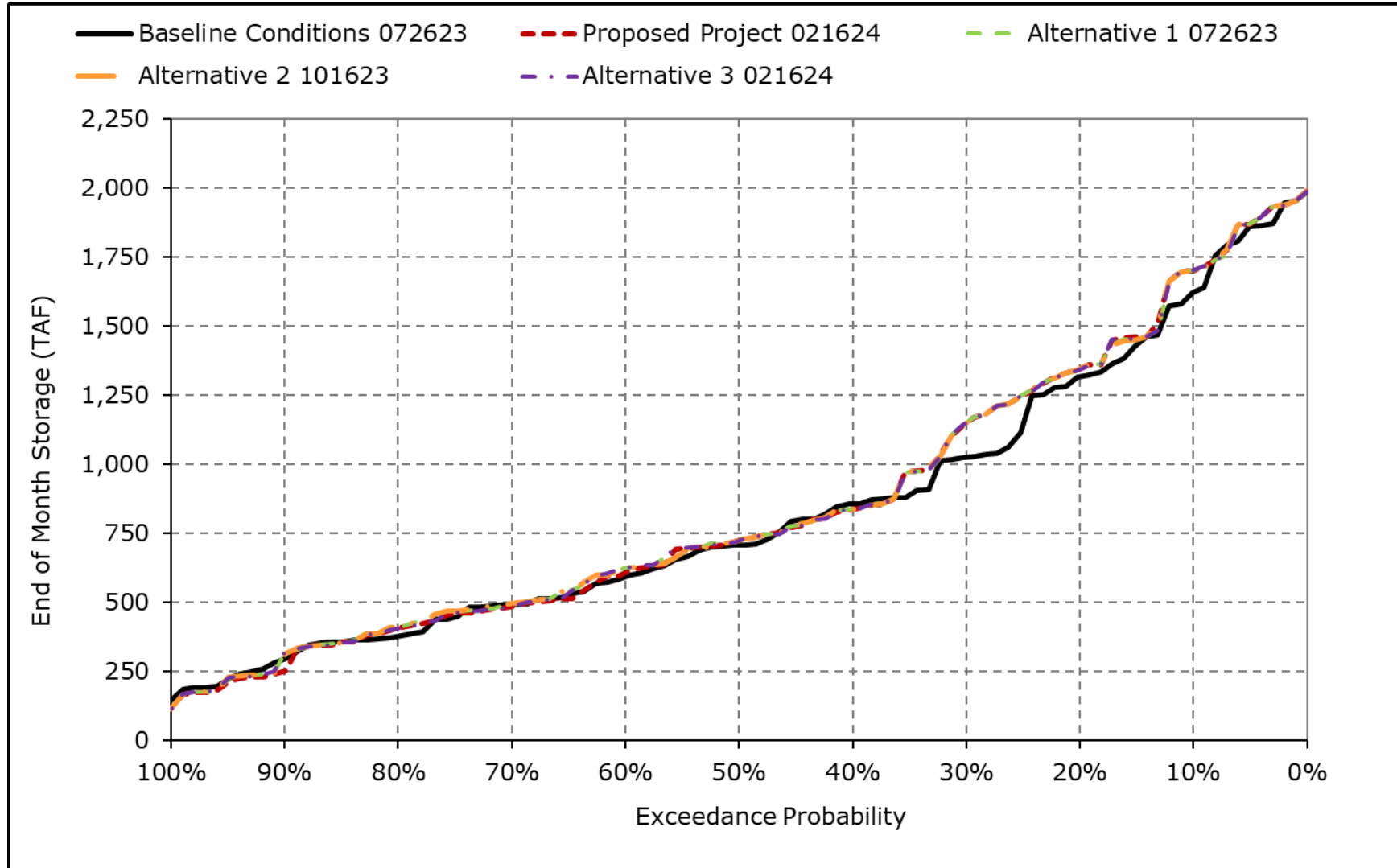
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-2h. San Luis Storage (CVP and SWP), May



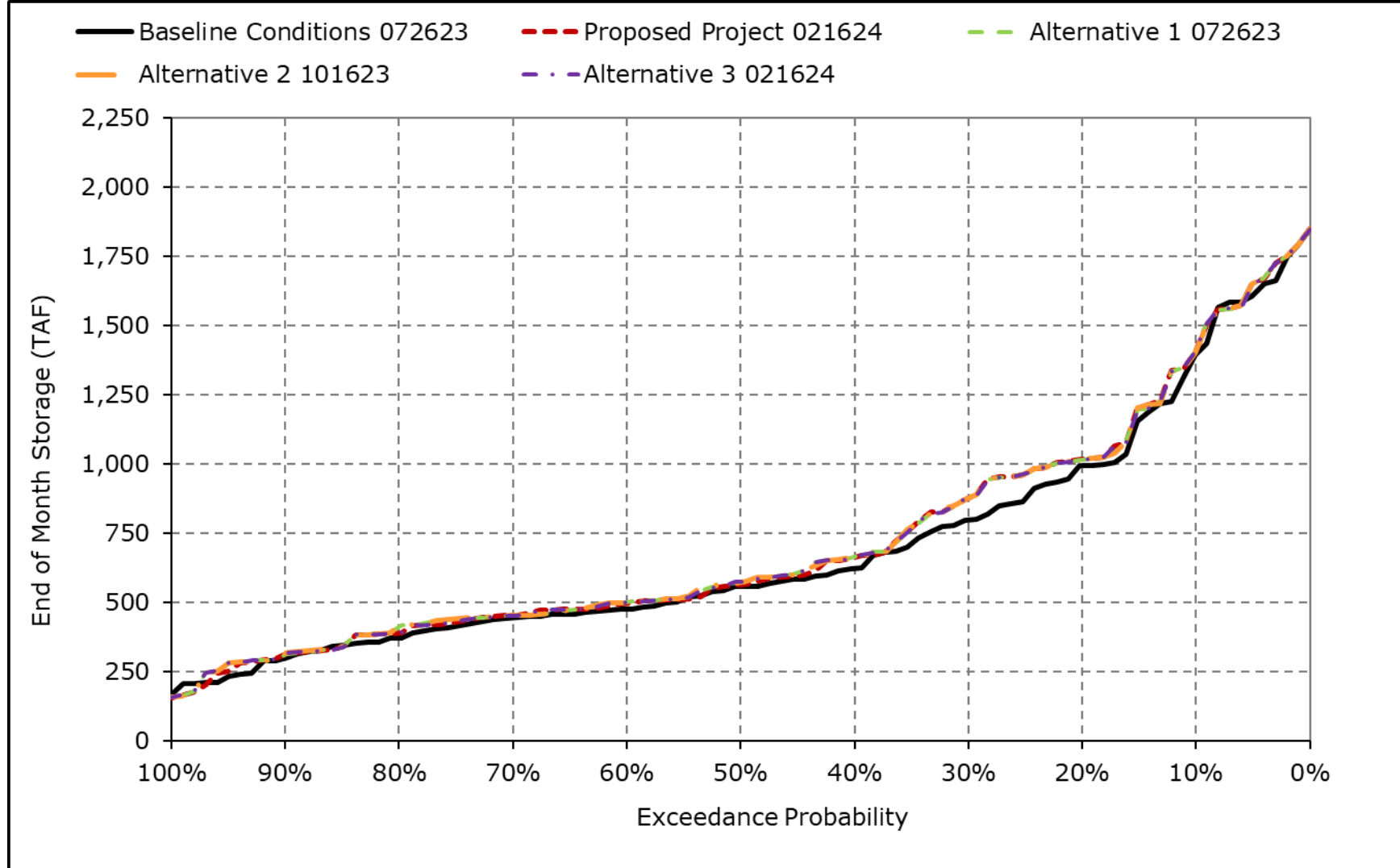
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-2i. San Luis Storage (CVP and SWP), June



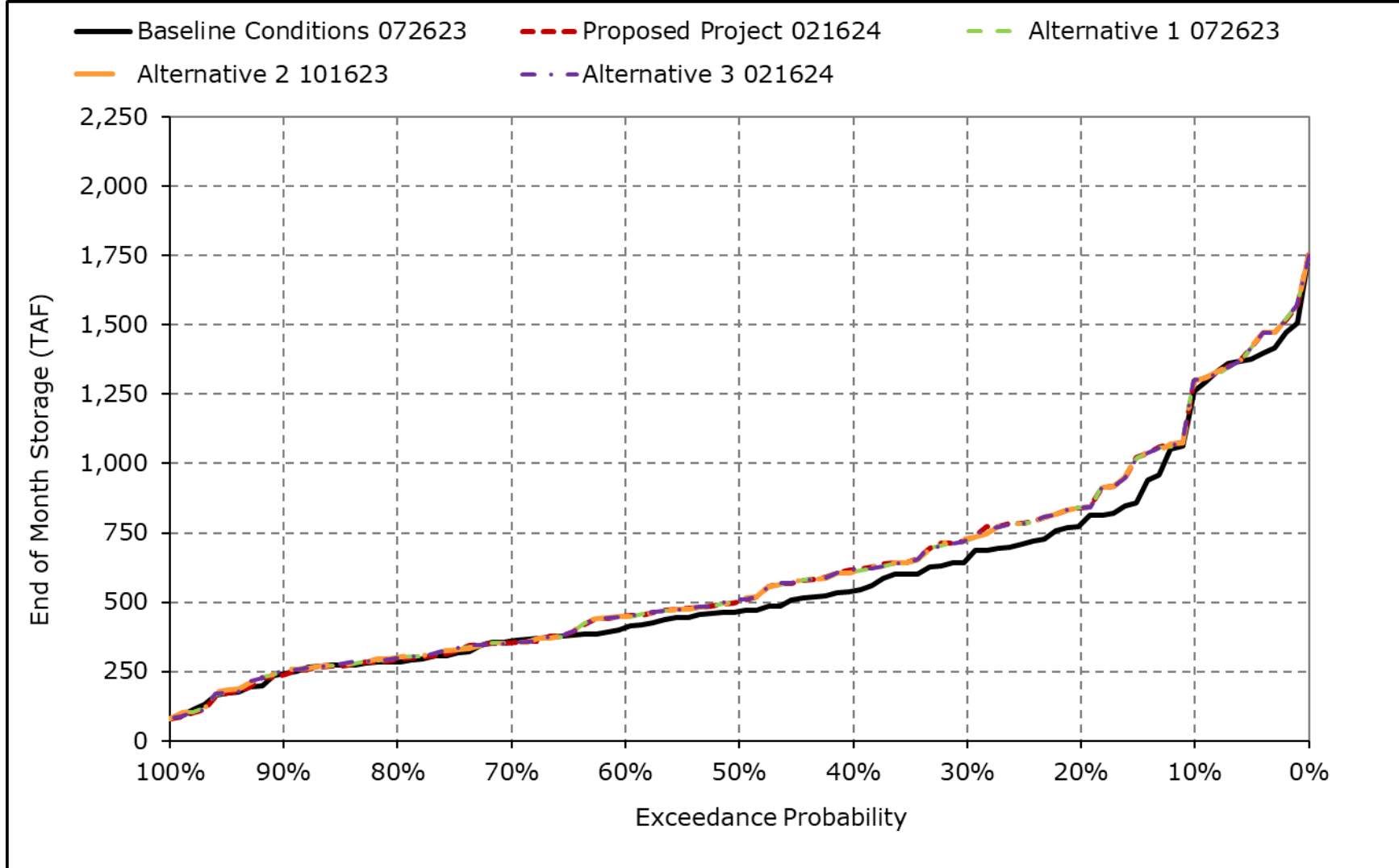
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-2j. San Luis Storage (CVP and SWP), July



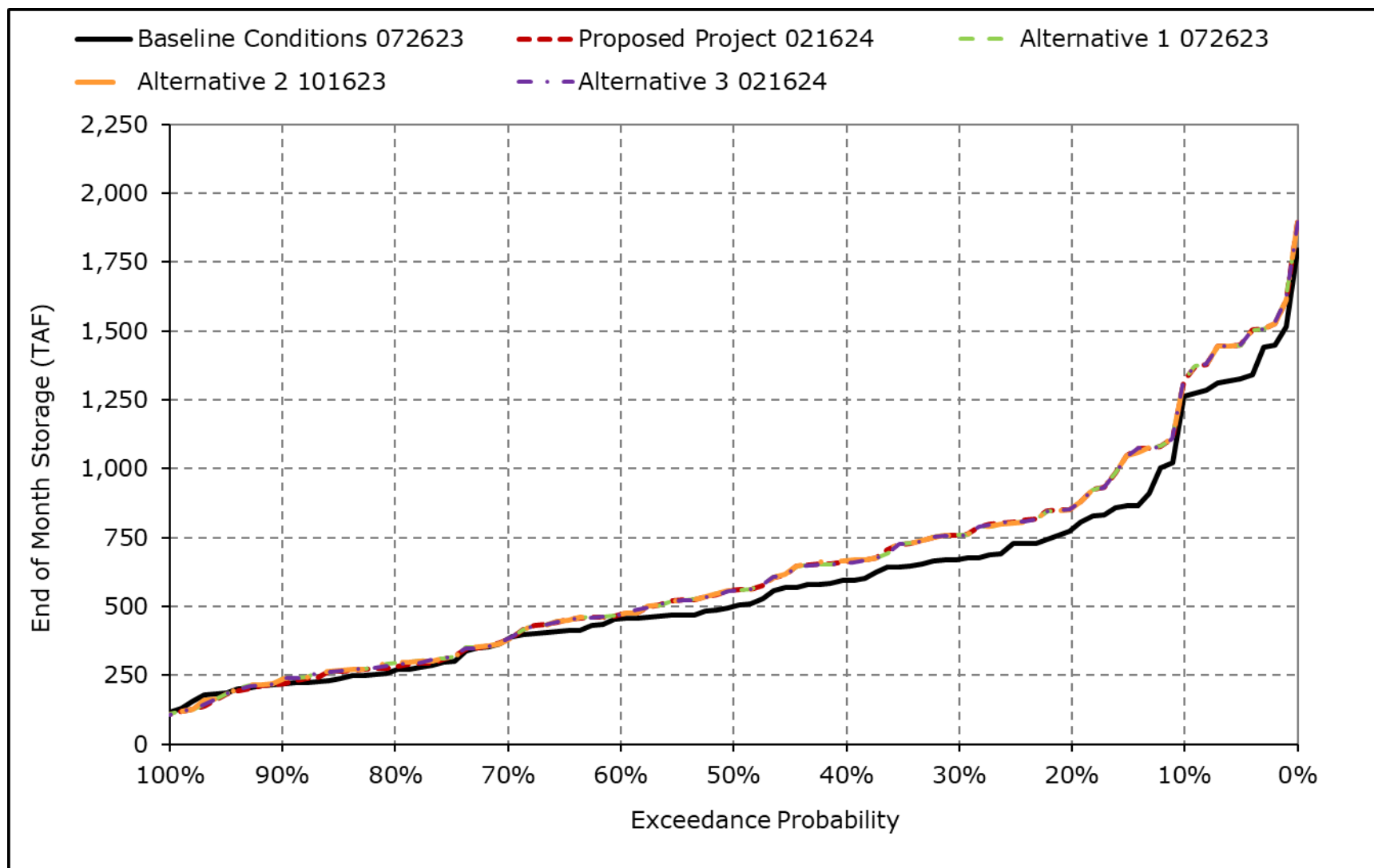
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-2k. San Luis Storage (CVP and SWP), August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-2I. San Luis Storage (CVP and SWP), September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Table 4C-2-3-1a. San Luis Reservoir (SWP and CVP), Baseline Conditions 072623, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	477	498	523	528	543	544	541	529	510	490	478	478
20% Exceedance	439	467	494	509	522	544	531	517	483	452	430	430
30% Exceedance	426	457	478	495	514	520	519	498	455	432	416	417
40% Exceedance	418	440	468	484	504	511	490	466	438	412	402	408
50% Exceedance	401	427	456	475	492	502	484	452	422	404	392	397
60% Exceedance	383	419	447	467	484	494	476	443	408	394	384	391
70% Exceedance	377	397	434	452	468	480	463	436	396	389	377	381
80% Exceedance	364	377	403	441	459	463	448	417	380	379	366	363
90% Exceedance	349	362	384	407	432	451	436	403	369	369	358	353
Full Simulation Period Average ^a	405	427	453	471	488	499	486	462	430	416	401	403
Wet Water Years (30%)	418	448	477	498	517	529	527	511	482	460	443	441
Above Normal Water Years (11%)	401	425	453	477	499	509	497	475	438	418	415	412
Below Normal Water Years (21%)	412	437	461	475	489	498	474	436	393	389	393	404
Dry Water Years (22%)	405	424	449	462	473	483	463	430	397	393	368	368
Critical Water Years (16%)	376	383	403	426	448	460	453	441	421	397	371	369

Table 4C-2-3-1b. San Luis Reservoir (SWP and CVP), Proposed Project 021624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	484	500	529	533	543	544	544	536	517	492	481	484
20% Exceedance	449	476	502	512	524	544	536	524	485	454	436	438
30% Exceedance	436	464	486	498	517	523	518	510	467	440	424	428
40% Exceedance	421	445	472	486	506	511	499	469	436	416	411	416
50% Exceedance	403	431	460	474	493	499	483	455	424	405	397	404
60% Exceedance	388	415	448	468	480	491	472	448	410	396	390	393
70% Exceedance	379	399	434	456	470	474	462	435	395	390	377	381
80% Exceedance	370	380	407	438	455	461	445	418	384	382	368	366
90% Exceedance	355	370	375	407	431	450	435	405	360	371	357	353
Full Simulation Period Average ^a	411	432	456	473	488	497	486	466	432	418	405	409
Wet Water Years (30%)	424	453	480	498	517	528	527	518	487	465	450	454
Above Normal Water Years (11%)	406	430	458	481	500	509	499	483	442	423	419	421
Below Normal Water Years (21%)	420	443	466	479	491	497	475	445	399	396	401	410
Dry Water Years (22%)	410	428	452	463	470	478	458	428	391	391	368	368
Critical Water Years (16%)	378	385	404	424	445	457	450	440	420	396	371	370

Table 4C-2-3-1c. San Luis Reservoir (SWP and CVP), Proposed Project 021624 minus Baseline Conditions 072623, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	1	6	6	0	0	3	6	7	2	3	6
20% Exceedance	10	9	9	3	2	0	4	7	3	2	6	8
30% Exceedance	10	7	7	2	3	4	-1	12	12	8	8	10
40% Exceedance	3	5	4	3	2	0	8	3	-2	5	9	8
50% Exceedance	2	3	4	-1	1	-3	-1	3	2	1	5	7
60% Exceedance	5	-4	2	1	-4	-2	-4	5	2	3	5	2
70% Exceedance	2	3	0	4	1	-6	0	-1	-1	1	-1	0
80% Exceedance	5	3	4	-3	-5	-2	-4	2	4	3	2	3
90% Exceedance	5	8	-9	0	0	0	-2	2	-9	2	0	0
Full Simulation Period Average ^a	5	4	3	1	0	-2	-1	4	2	3	4	6
Wet Water Years (30%)	6	5	3	0	0	-1	0	7	5	5	7	13
Above Normal Water Years (11%)	5	4	6	4	1	-1	2	8	3	5	5	9
Below Normal Water Years (21%)	8	6	5	4	2	-1	2	8	6	7	8	6
Dry Water Years (22%)	5	4	2	1	-3	-5	-4	-2	-6	-3	0	-1
Critical Water Years (16%)	2	2	1	-2	-3	-3	-2	-1	-1	-1	0	1

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-2-3-2a. San Luis Reservoir (SWP and CVP), Baseline Conditions 072623, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	477	498	523	528	543	544	541	529	510	490	478	478
20% Exceedance	439	467	494	509	522	544	531	517	483	452	430	430
30% Exceedance	426	457	478	495	514	520	519	498	455	432	416	417
40% Exceedance	418	440	468	484	504	511	490	466	438	412	402	408
50% Exceedance	401	427	456	475	492	502	484	452	422	404	392	397
60% Exceedance	383	419	447	467	484	494	476	443	408	394	384	391
70% Exceedance	377	397	434	452	468	480	463	436	396	389	377	381
80% Exceedance	364	377	403	441	459	463	448	417	380	379	366	363
90% Exceedance	349	362	384	407	432	451	436	403	369	369	358	353
Full Simulation Period Average ^a	405	427	453	471	488	499	486	462	430	416	401	403
Wet Water Years (30%)	418	448	477	498	517	529	527	511	482	460	443	441
Above Normal Water Years (11%)	401	425	453	477	499	509	497	475	438	418	415	412
Below Normal Water Years (21%)	412	437	461	475	489	498	474	436	393	389	393	404
Dry Water Years (22%)	405	424	449	462	473	483	463	430	397	393	368	368
Critical Water Years (16%)	376	383	403	426	448	460	453	441	421	397	371	369

Table 4C-2-3-2b. San Luis Reservoir (SWP and CVP), Alternative 1 072623, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	485	500	529	533	543	544	544	534	517	491	481	483
20% Exceedance	449	477	503	513	524	544	536	524	485	454	436	438
30% Exceedance	436	464	486	497	516	522	518	510	467	440	423	428
40% Exceedance	421	446	469	486	505	511	499	469	436	417	410	416
50% Exceedance	403	430	460	475	493	499	482	455	424	406	398	404
60% Exceedance	388	415	448	467	480	492	473	450	412	397	390	393
70% Exceedance	379	399	434	454	472	478	463	435	396	390	377	381
80% Exceedance	369	380	405	437	455	461	444	419	385	385	369	368
90% Exceedance	352	368	386	408	433	448	435	405	371	371	361	357
Full Simulation Period Average ^a	411	432	456	473	489	498	486	467	432	419	406	409
Wet Water Years (30%)	424	452	479	498	517	528	527	517	487	465	450	454
Above Normal Water Years (11%)	406	429	456	479	498	507	498	482	442	422	419	421
Below Normal Water Years (21%)	420	443	466	479	491	497	476	445	399	396	401	410
Dry Water Years (22%)	410	428	452	463	471	479	460	429	393	392	369	369
Critical Water Years (16%)	380	388	407	427	448	460	453	443	422	397	371	371

Table 4C-2-3-2c. San Luis Reservoir (SWP and CVP), Alternative 1 072623 minus Baseline Conditions 072623, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	1	5	6	0	0	3	5	7	1	3	5
20% Exceedance	10	10	9	4	2	0	5	7	3	2	6	8
30% Exceedance	10	7	8	2	2	2	-1	12	12	8	8	10
40% Exceedance	3	6	2	2	1	0	8	4	-2	5	8	8
50% Exceedance	2	3	4	0	1	-3	-1	3	2	2	6	7
60% Exceedance	5	-4	1	0	-4	-2	-3	6	4	3	5	2
70% Exceedance	2	3	0	2	3	-3	0	-1	0	1	-1	0
80% Exceedance	5	2	2	-4	-4	-2	-4	2	5	6	3	5
90% Exceedance	2	6	2	1	1	-3	-2	2	2	2	3	3
Full Simulation Period Average ^a	6	5	3	2	0	-2	0	5	2	3	4	6
Wet Water Years (30%)	6	4	2	0	0	-1	0	6	5	5	7	13
Above Normal Water Years (11%)	5	4	4	2	0	-2	1	7	3	5	4	9
Below Normal Water Years (21%)	8	6	5	4	2	-1	2	8	6	7	8	6
Dry Water Years (22%)	5	4	2	1	-2	-3	-3	-1	-5	-2	1	1
Critical Water Years (16%)	4	5	4	1	0	0	1	2	1	1	0	1

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-2-3-3a. San Luis Reservoir (SWP and CVP), Baseline Conditions 072623, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	477	498	523	528	543	544	541	529	510	490	478	478
20% Exceedance	439	467	494	509	522	544	531	517	483	452	430	430
30% Exceedance	426	457	478	495	514	520	519	498	455	432	416	417
40% Exceedance	418	440	468	484	504	511	490	466	438	412	402	408
50% Exceedance	401	427	456	475	492	502	484	452	422	404	392	397
60% Exceedance	383	419	447	467	484	494	476	443	408	394	384	391
70% Exceedance	377	397	434	452	468	480	463	436	396	389	377	381
80% Exceedance	364	377	403	441	459	463	448	417	380	379	366	363
90% Exceedance	349	362	384	407	432	451	436	403	369	369	358	353
Full Simulation Period Average ^a	405	427	453	471	488	499	486	462	430	416	401	403
Wet Water Years (30%)	418	448	477	498	517	529	527	511	482	460	443	441
Above Normal Water Years (11%)	401	425	453	477	499	509	497	475	438	418	415	412
Below Normal Water Years (21%)	412	437	461	475	489	498	474	436	393	389	393	404
Dry Water Years (22%)	405	424	449	462	473	483	463	430	397	393	368	368
Critical Water Years (16%)	376	383	403	426	448	460	453	441	421	397	371	369

Table 4C-2-3-3b. San Luis Reservoir (SWP and CVP), Alternative 2 101623, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	484	500	529	533	543	544	544	536	517	492	481	484
20% Exceedance	448	476	502	512	524	544	536	524	485	454	436	438
30% Exceedance	436	464	486	498	517	522	519	510	467	440	424	428
40% Exceedance	421	445	472	486	505	511	499	469	436	417	410	417
50% Exceedance	403	431	460	475	493	499	483	455	424	406	398	404
60% Exceedance	388	415	448	468	480	492	473	449	412	397	390	393
70% Exceedance	379	399	434	454	472	478	463	435	396	390	377	380
80% Exceedance	369	380	405	437	454	461	444	419	385	385	369	369
90% Exceedance	355	368	386	409	433	448	435	405	370	371	361	357
Full Simulation Period Average ^a	411	432	456	473	489	498	486	467	432	419	406	409
Wet Water Years (30%)	424	453	480	498	517	528	527	518	487	465	450	454
Above Normal Water Years (11%)	406	429	457	479	499	507	498	482	442	422	419	421
Below Normal Water Years (21%)	421	443	466	479	491	497	476	445	399	396	401	410
Dry Water Years (22%)	410	428	452	463	471	479	460	429	393	392	369	369
Critical Water Years (16%)	380	388	407	427	448	460	453	443	422	397	371	371

Table 4C-2-3-3c. San Luis Reservoir (SWP and CVP), Alternative 2 101623 minus Baseline Conditions 072623, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	7	1	6	6	0	0	3	6	7	1	3	6
20% Exceedance	10	10	8	3	2	0	5	7	3	2	6	8
30% Exceedance	10	7	8	3	3	2	0	12	12	8	9	10
40% Exceedance	4	5	4	3	1	0	8	4	-2	5	8	8
50% Exceedance	2	3	4	0	1	-3	0	3	2	2	6	7
60% Exceedance	5	-4	1	1	-4	-2	-3	5	4	4	5	2
70% Exceedance	2	3	0	2	3	-3	1	-1	1	1	-1	0
80% Exceedance	5	2	1	-4	-5	-2	-4	2	5	6	3	6
90% Exceedance	5	6	2	1	1	-3	-2	2	2	2	3	3
Full Simulation Period Average ^a	6	5	3	2	0	-1	0	5	2	3	4	6
Wet Water Years (30%)	6	5	3	1	0	-1	0	7	5	5	7	13
Above Normal Water Years (11%)	5	4	4	3	0	-2	1	7	3	5	4	9
Below Normal Water Years (21%)	8	6	5	4	2	-1	2	9	6	8	8	6
Dry Water Years (22%)	5	4	2	1	-2	-4	-3	-1	-5	-1	1	1
Critical Water Years (16%)	4	5	4	1	0	0	0	2	1	1	0	1

^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

* Water Year Types results are displayed with water year - year type sorting.

Table 4C-2-3-4a. San Luis Reservoir (SWP and CVP), Baseline Conditions 072623, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	477	498	523	528	543	544	541	529	510	490	478	478
20% Exceedance	439	467	494	509	522	544	531	517	483	452	430	430
30% Exceedance	426	457	478	495	514	520	519	498	455	432	416	417
40% Exceedance	418	440	468	484	504	511	490	466	438	412	402	408
50% Exceedance	401	427	456	475	492	502	484	452	422	404	392	397
60% Exceedance	383	419	447	467	484	494	476	443	408	394	384	391
70% Exceedance	377	397	434	452	468	480	463	436	396	389	377	381
80% Exceedance	364	377	403	441	459	463	448	417	380	379	366	363
90% Exceedance	349	362	384	407	432	451	436	403	369	369	358	353
Full Simulation Period Average ^a	405	427	453	471	488	499	486	462	430	416	401	403
Wet Water Years (30%)	418	448	477	498	517	529	527	511	482	460	443	441
Above Normal Water Years (11%)	401	425	453	477	499	509	497	475	438	418	415	412
Below Normal Water Years (21%)	412	437	461	475	489	498	474	436	393	389	393	404
Dry Water Years (22%)	405	424	449	462	473	483	463	430	397	393	368	368
Critical Water Years (16%)	376	383	403	426	448	460	453	441	421	397	371	369

Table 4C-2-3-4b. San Luis Reservoir (SWP and CVP), Alternative 3 021624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	485	500	529	533	543	544	544	535	517	492	481	484
20% Exceedance	448	477	503	513	524	544	536	524	485	454	436	438
30% Exceedance	436	464	486	497	516	523	518	510	467	440	424	428
40% Exceedance	421	446	469	486	506	511	499	469	436	416	411	416
50% Exceedance	403	430	460	474	493	499	482	455	424	406	398	404
60% Exceedance	388	415	448	468	480	492	473	449	412	397	390	393
70% Exceedance	379	399	434	456	472	477	463	436	395	390	377	381
80% Exceedance	370	380	407	438	455	461	445	418	384	382	369	367
90% Exceedance	355	370	375	407	432	450	435	405	371	371	360	357
Full Simulation Period Average ^a	411	432	456	473	488	497	486	467	432	419	406	409
Wet Water Years (30%)	424	453	479	498	517	528	527	517	487	465	450	454
Above Normal Water Years (11%)	407	430	458	481	500	508	499	483	442	423	419	421
Below Normal Water Years (21%)	420	443	466	479	491	497	475	445	399	396	401	410
Dry Water Years (22%)	409	428	452	463	471	479	460	429	393	392	369	369
Critical Water Years (16%)	379	386	404	425	447	458	452	441	421	397	371	371

Table 4C-2-3-4c. San Luis Reservoir (SWP and CVP), Alternative 3 021624 minus Baseline Conditions 072623, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	8	1	5	6	0	0	3	6	7	2	3	6
20% Exceedance	10	10	9	4	2	0	4	7	3	2	6	8
30% Exceedance	10	7	7	2	2	3	-1	12	12	8	8	10
40% Exceedance	3	6	2	3	3	0	8	3	-2	5	9	7
50% Exceedance	2	3	4	-1	1	-3	-1	3	2	2	6	7
60% Exceedance	5	-4	1	1	-4	-2	-3	6	4	3	5	2
70% Exceedance	2	3	0	4	3	-3	1	0	-1	1	-1	0
80% Exceedance	5	2	4	-3	-5	-2	-4	2	4	2	3	4
90% Exceedance	5	8	-9	0	0	0	-2	2	3	2	2	3
Full Simulation Period Average ^a	6	5	3	1	0	-2	0	4	2	3	4	6
Wet Water Years (30%)	6	5	2	0	0	-1	0	6	5	5	7	13
Above Normal Water Years (11%)	5	5	6	4	1	-1	1	8	3	5	5	9
Below Normal Water Years (21%)	8	6	5	4	2	-1	2	8	6	7	8	6
Dry Water Years (22%)	5	4	2	1	-2	-4	-3	-1	-5	-2	1	0
Critical Water Years (16%)	3	3	1	-1	-2	-2	-1	1	0	0	0	1

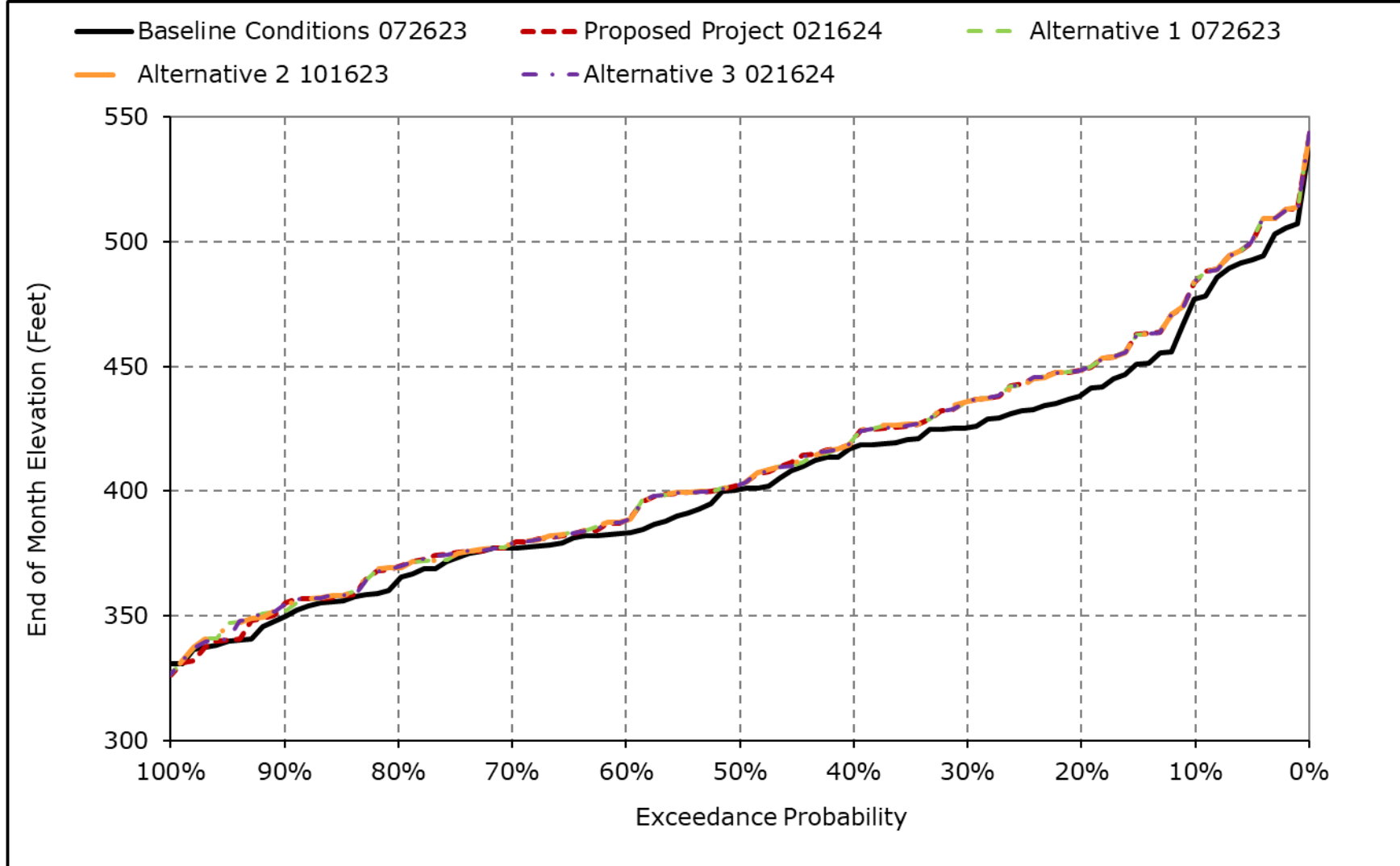
^a Based on the 100-year simulation period.

* All scenarios are simulated at current climate condition and 0 cm sea level rise.

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

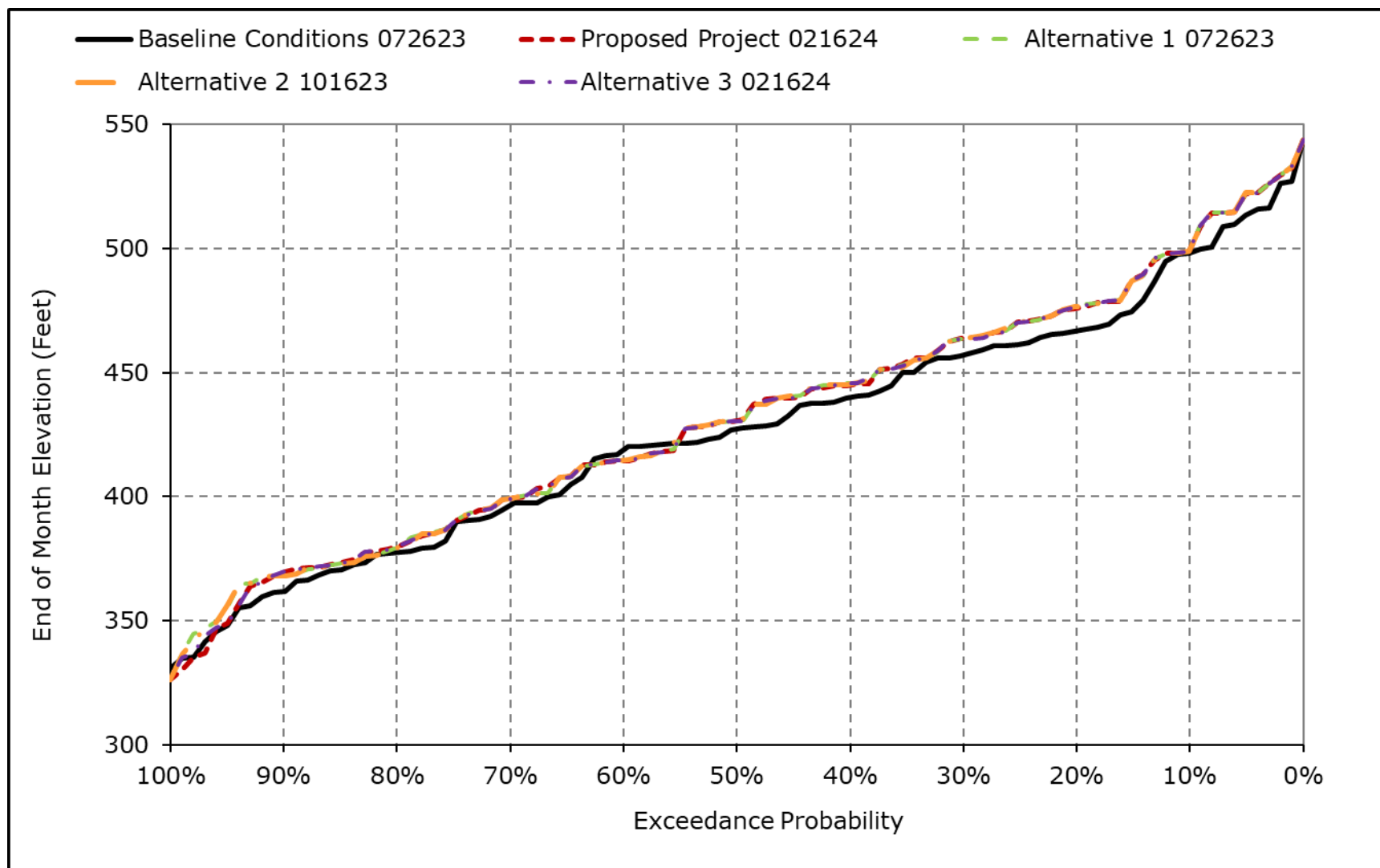
* Water Year Types results are displayed with water year - year type sorting.

Figure 4C-2-3a. San Luis Reservoir (SWP and CVP), October



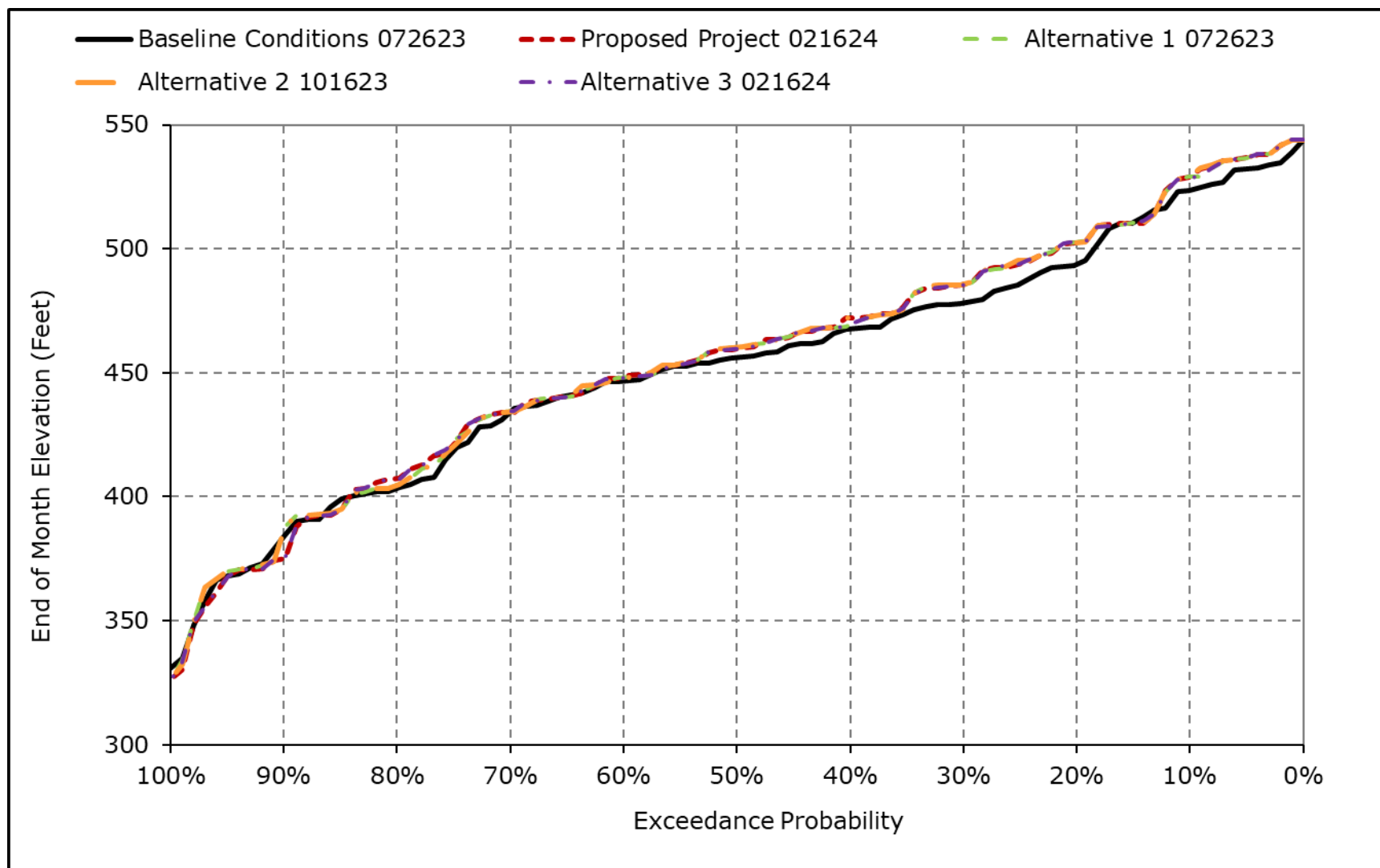
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-3b. San Luis Reservoir (SWP and CVP), November



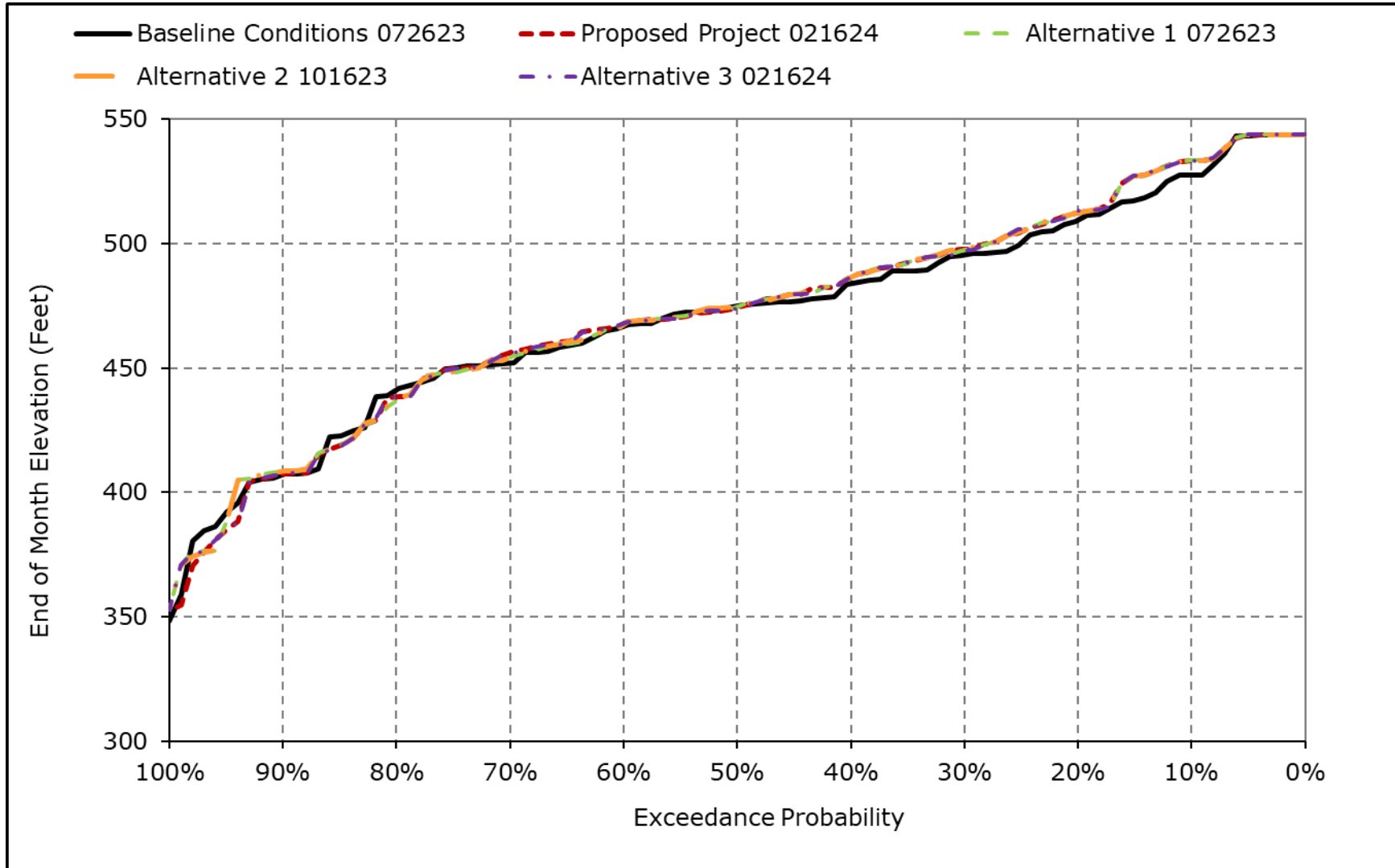
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-3c. San Luis Reservoir (SWP and CVP), December



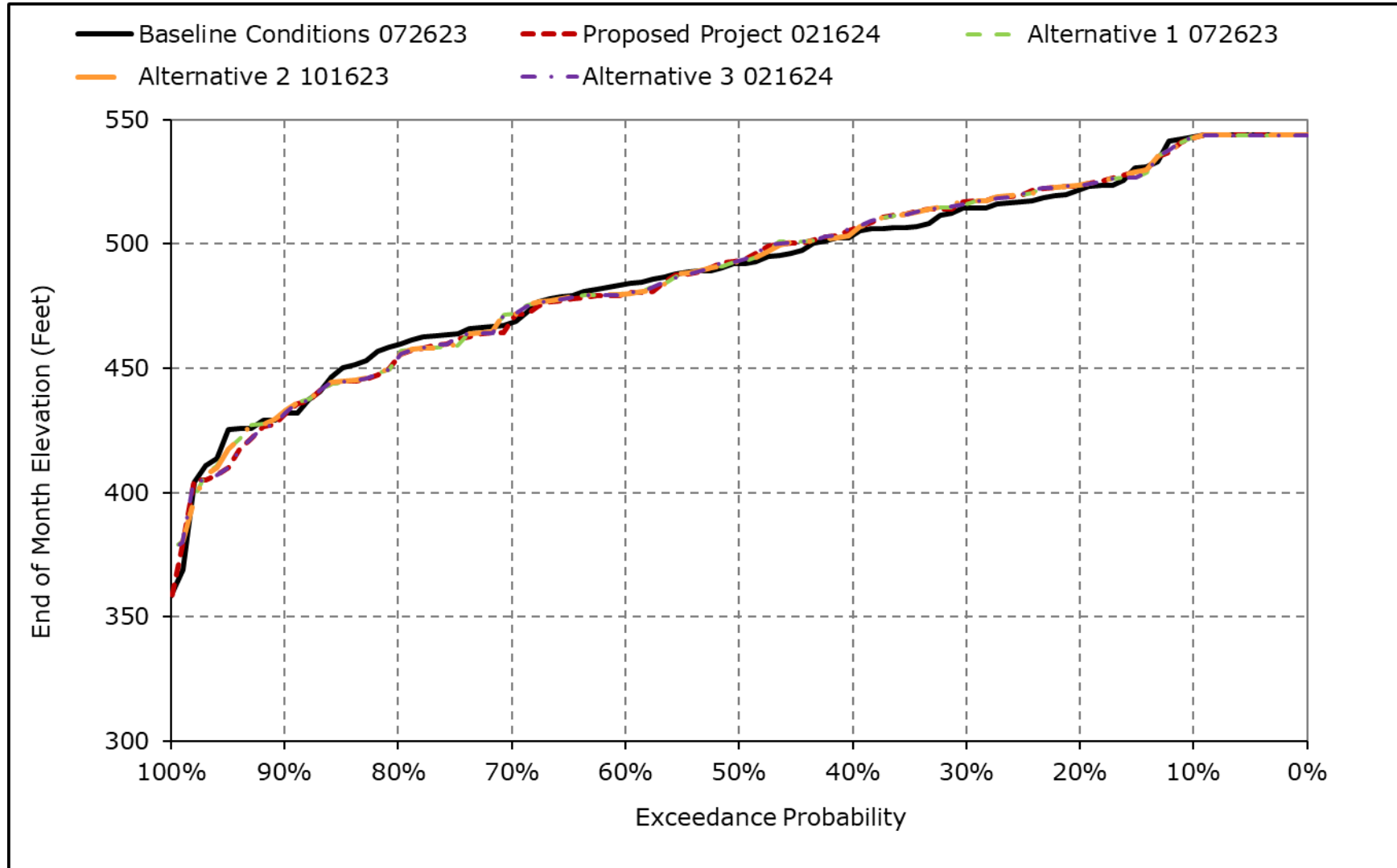
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-3d. San Luis Reservoir (SWP and CVP), January



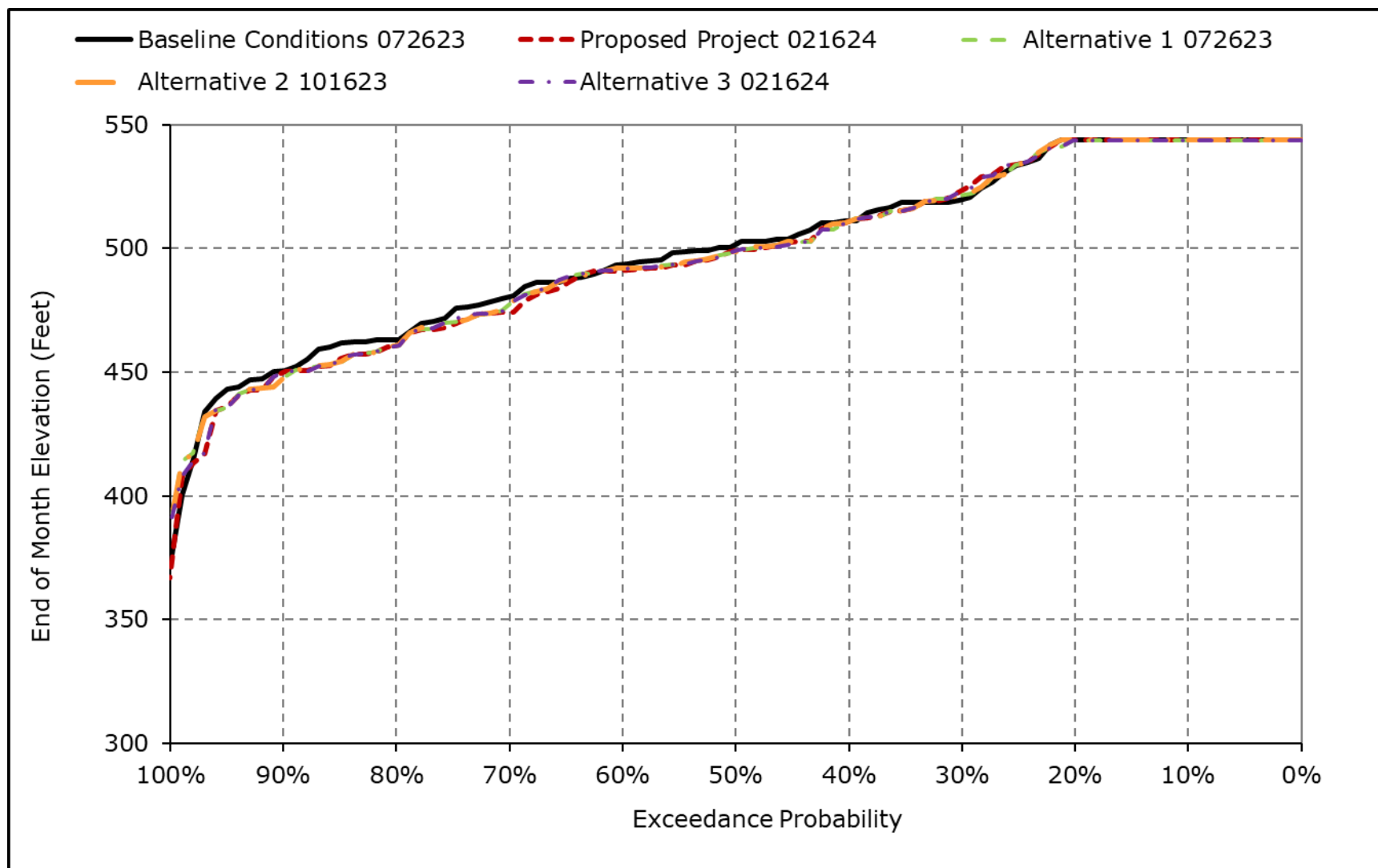
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-3e. San Luis Reservoir (SWP and CVP), February



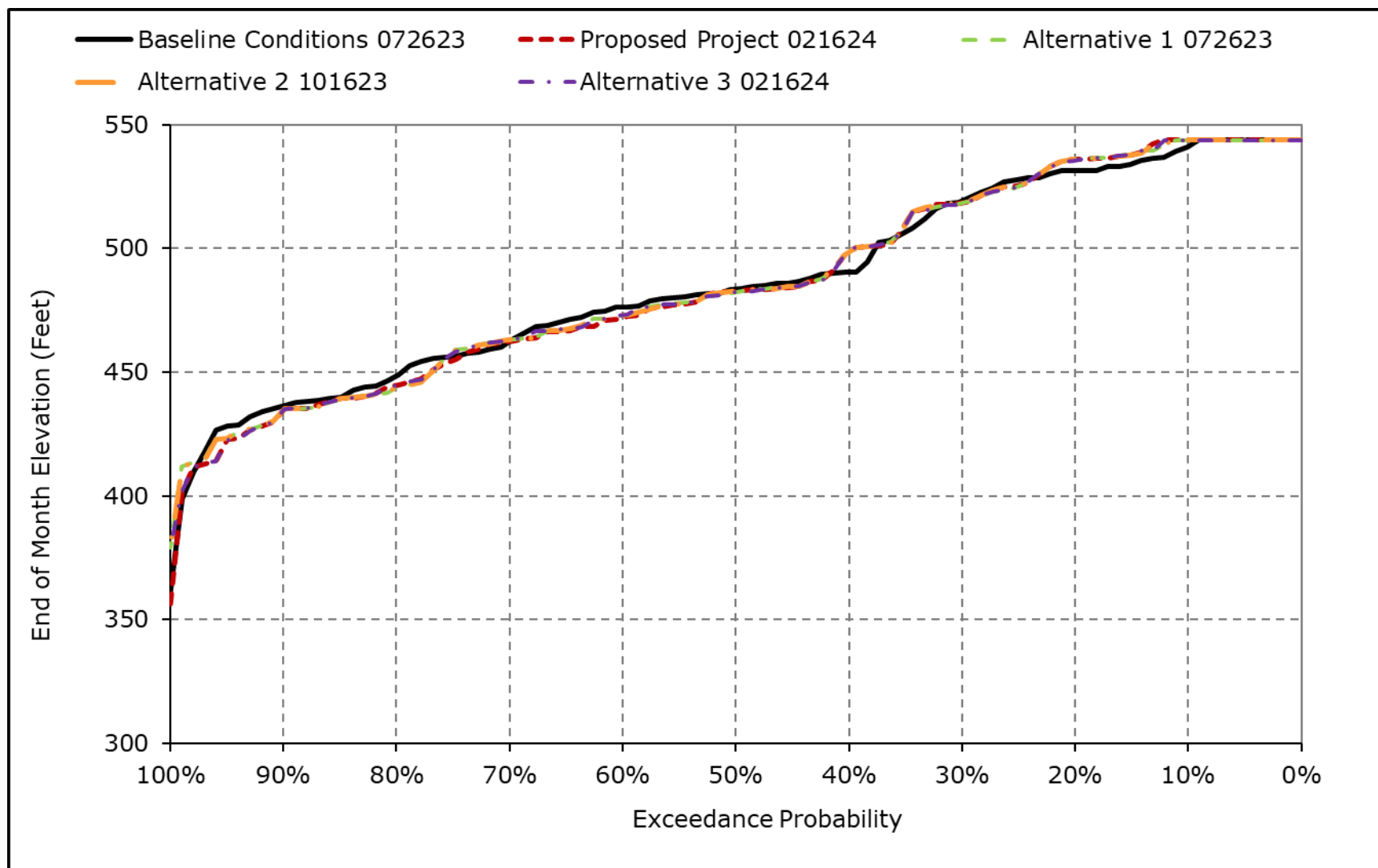
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-3f. San Luis Reservoir (SWP and CVP), March



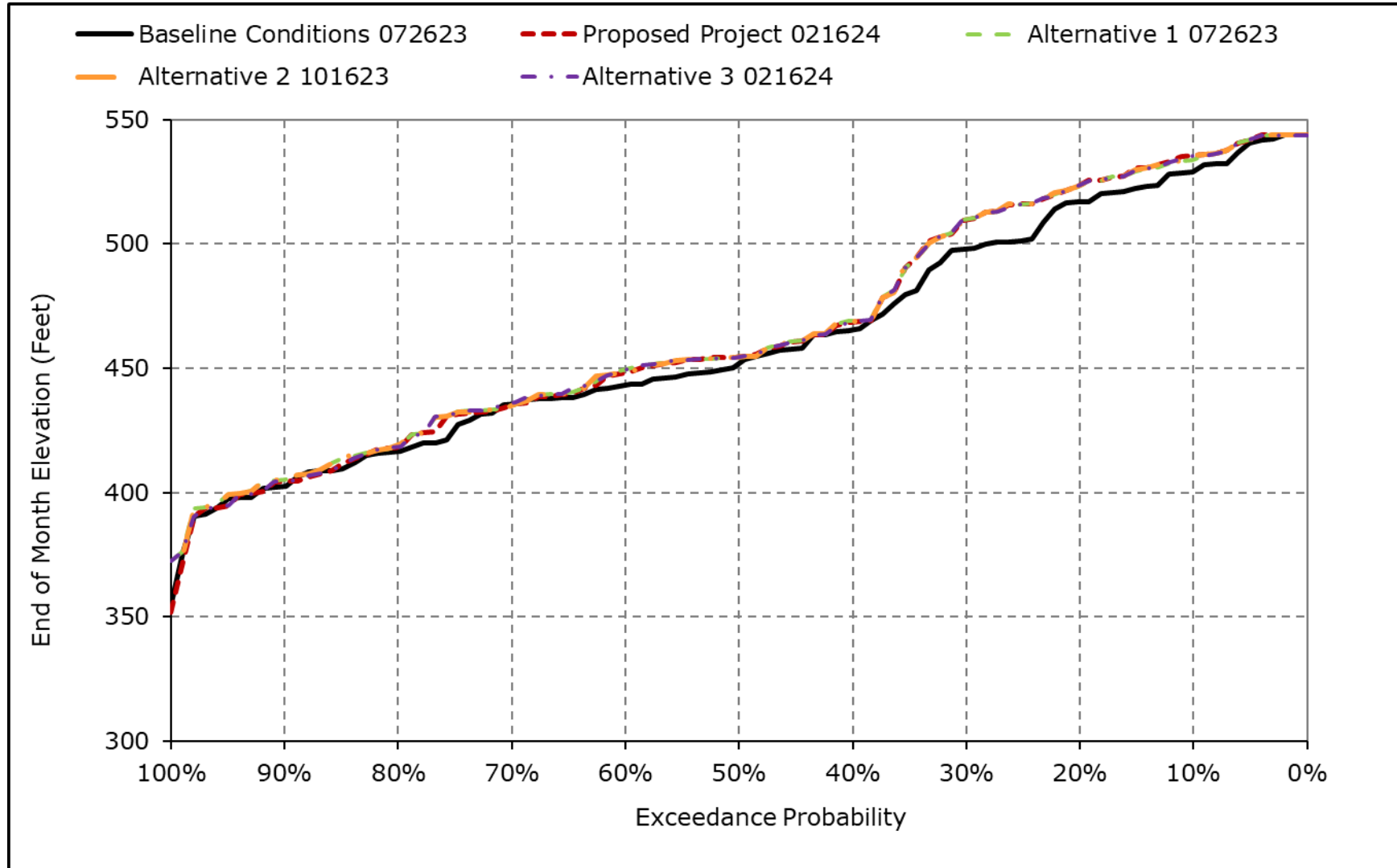
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-3g. San Luis Reservoir (SWP and CVP), April



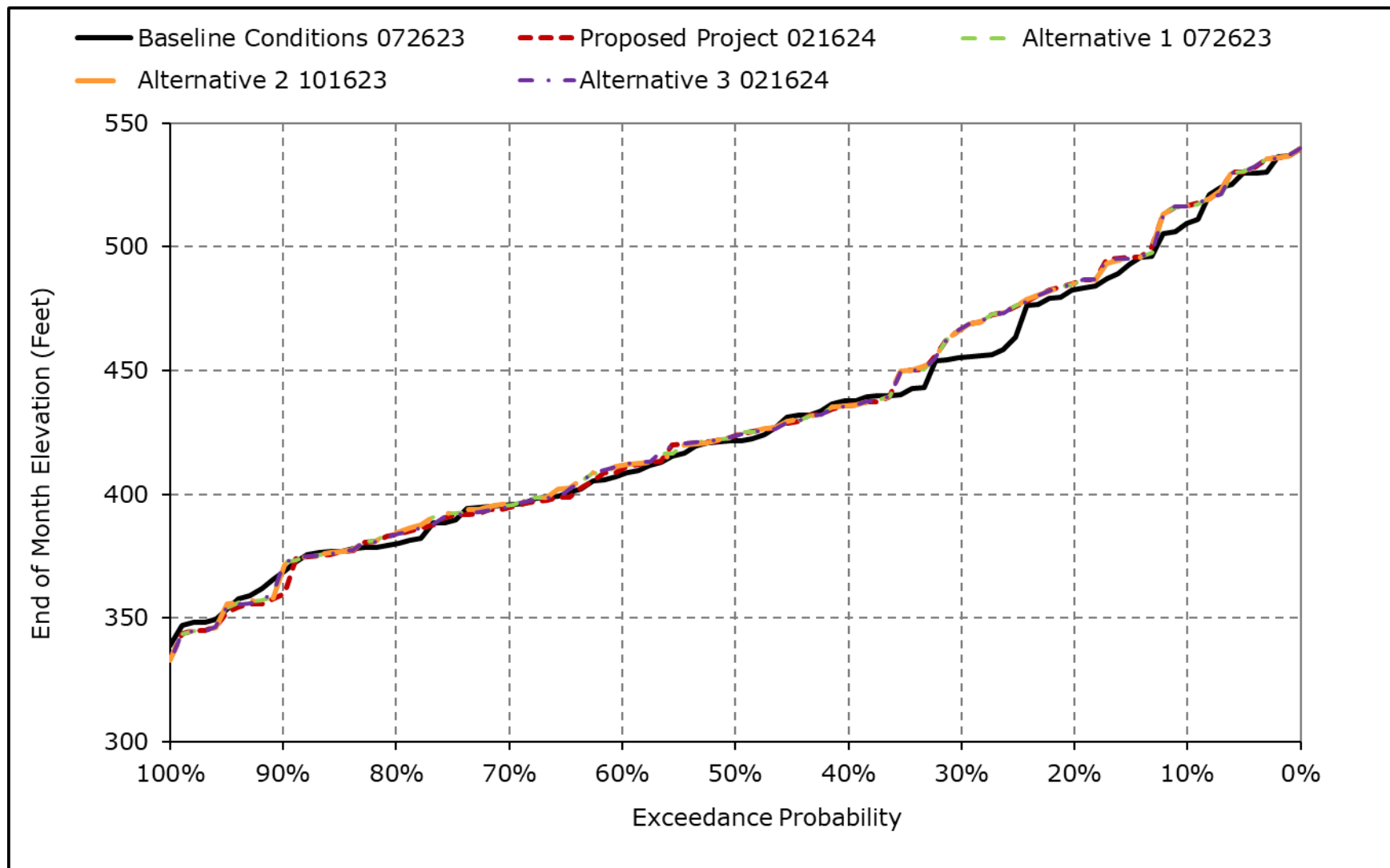
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-3h. San Luis Reservoir (SWP and CVP), May



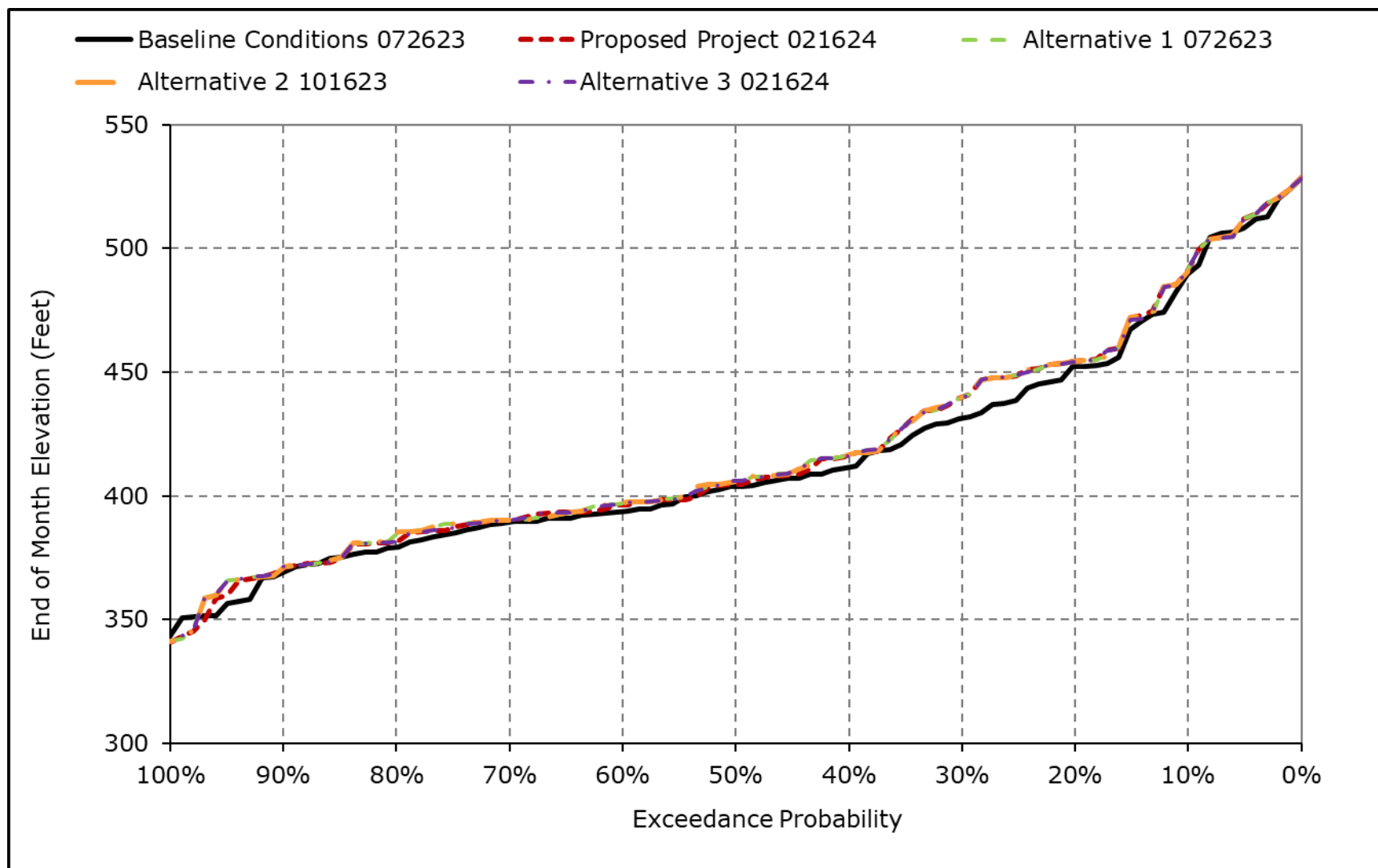
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-3i. San Luis Reservoir (SWP and CVP), June



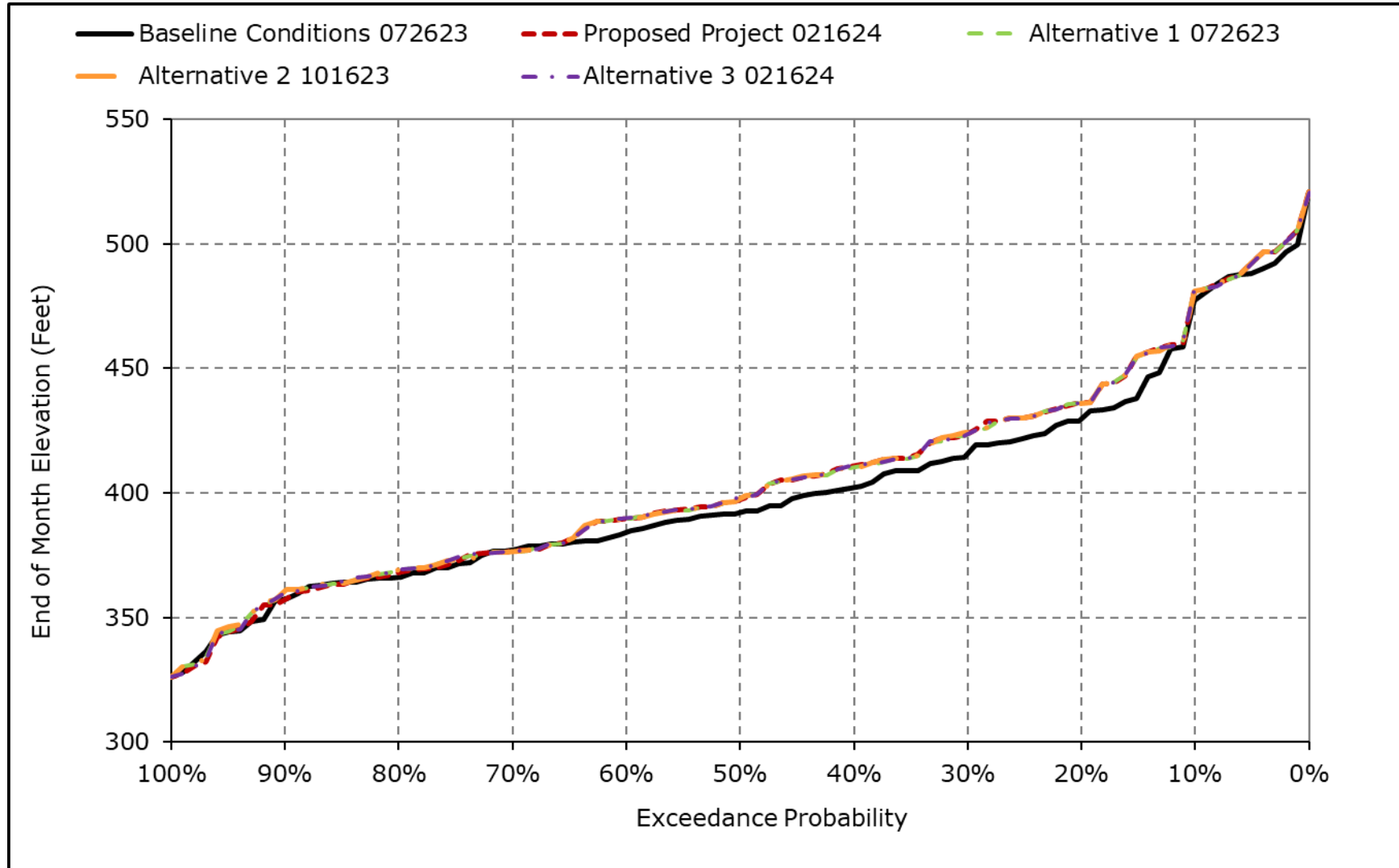
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-3j. San Luis Reservoir (SWP and CVP), July



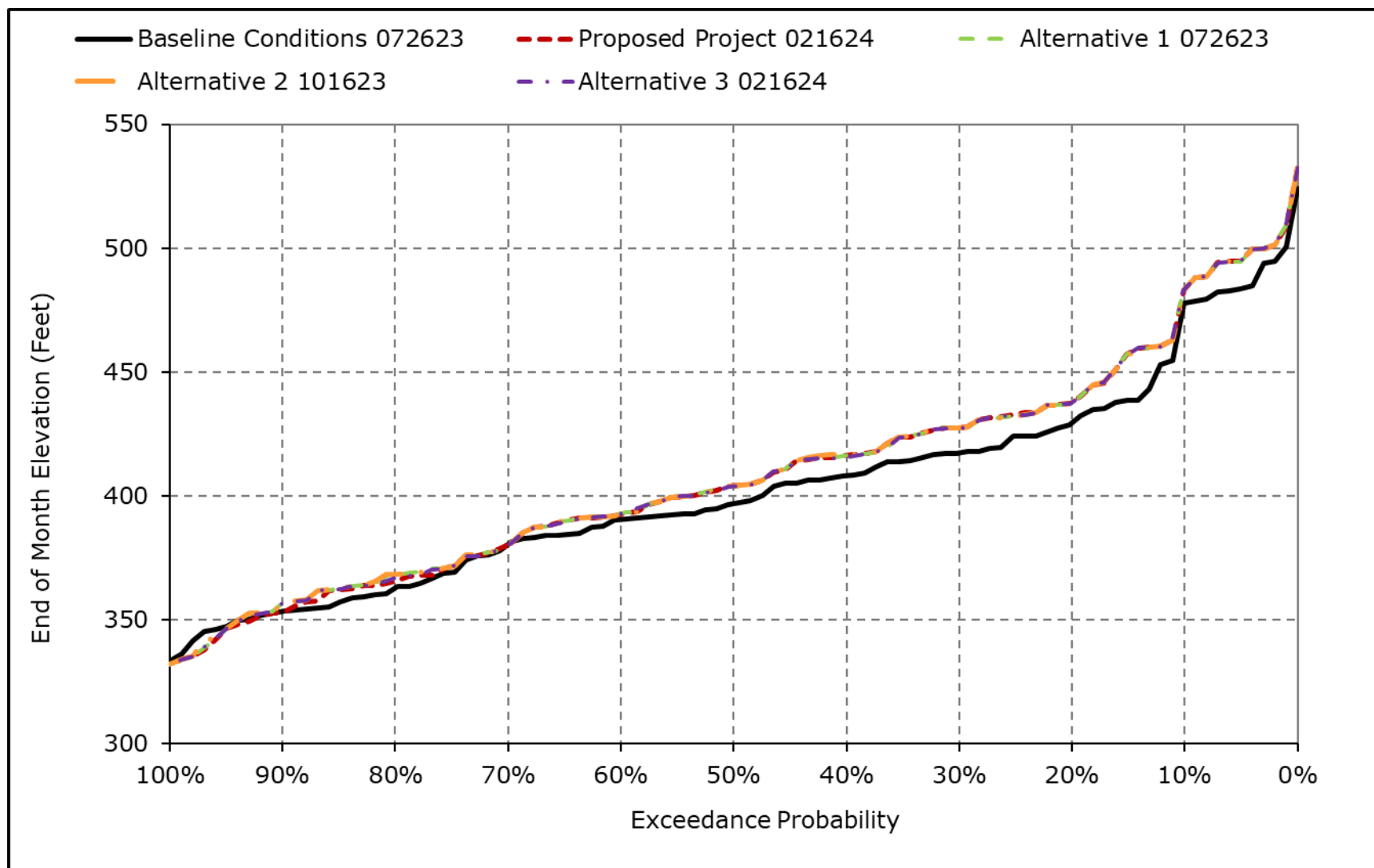
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-3k. San Luis Reservoir (SWP and CVP), August



*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 4C-2-3I. San Luis Reservoir (SWP and CVP), September



*All scenarios are simulated at current climate condition and 0 cm sea level rise.