

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

Attachment 2b: 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 (082624)
- Proposed Project (082624)
- Alternative 1 (083024)
- Alternative 2 (083024)
- Alternative 3 (083024)

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 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	766	870	980	1,010	1,067	1,067	1,067	1,065	981	914	840	762
20% Exceedance	618	732	769	826	951	1,067	970	915	740	735	685	631
30% Exceedance	525	603	677	747	888	989	925	776	610	599	578	537
40% Exceedance	445	488	610	679	783	859	784	671	526	498	496	481
50% Exceedance	383	427	540	612	709	726	683	553	434	474	435	384
60% Exceedance	264	340	459	549	625	682	599	497	376	392	354	272
70% Exceedance	217	275	347	480	587	637	567	406	306	327	294	218
80% Exceedance	151	174	305	391	466	537	456	373	257	298	240	171
90% Exceedance	49	78	99	223	320	410	375	292	138	254	182	111
Full Simulation Period Average ^a	394	454	531	613	709	762	704	611	491	507	466	405
Wet Water Years (32%)	431	527	605	711	842	904	893	817	690	708	703	646
Above Normal Water Years (9%)	465	564	689	769	866	906	792	653	472	529	571	462
Below Normal Water Years (20%)	454	513	575	633	704	758	634	483	316	393	410	366
Dry Water Years (21%)	360	400	475	536	584	643	569	465	371	387	227	146
Critical Water Years (18%)	265	267	334	427	544	583	558	535	479	408	331	293

Table 4C-2-1-1b. San Luis SWP Storage, Proposed Project 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	868	947	1,067	1,033	1,067	1,067	1,067	1,067	958	918	869	875
20% Exceedance	705	777	817	883	992	1,067	1,037	964	767	741	732	699
30% Exceedance	556	666	737	780	886	970	916	840	656	659	634	609
40% Exceedance	481	549	651	685	771	859	788	723	546	554	556	512
50% Exceedance	423	444	576	641	722	727	662	591	453	479	468	433
60% Exceedance	315	365	458	557	619	649	575	514	358	423	382	304
70% Exceedance	199	286	386	497	567	595	540	447	315	338	289	233
80% Exceedance	156	157	247	389	457	473	412	374	276	298	236	163
90% Exceedance	61	102	119	244	336	373	340	284	136	235	189	122
Full Simulation Period Average ^a	428	485	556	627	708	744	695	642	506	522	488	446
Wet Water Years (32%)	468	558	627	720	840	898	902	871	715	726	733	731
Above Normal Water Years (9%)	489	584	715	784	861	888	784	697	489	549	600	536
Below Normal Water Years (20%)	492	546	607	655	704	716	619	538	363	436	462	400
Dry Water Years (21%)	400	440	497	549	584	611	530	448	341	372	222	143
Critical Water Years (18%)	287	290	361	445	546	581	561	548	495	418	337	298

Table 4C-2-1-1c. San Luis SWP Storage, Proposed Project 082624 minus Baseline Conditions 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	102	77	86	23	0	0	0	2	-24	4	29	114
20% Exceedance	87	45	49	57	41	0	67	49	27	6	48	68
30% Exceedance	31	64	59	32	-2	-19	-8	63	46	60	56	72
40% Exceedance	37	61	41	6	-13	0	4	52	19	57	60	32
50% Exceedance	39	18	36	29	14	1	-21	37	19	5	33	50
60% Exceedance	51	26	-1	8	-6	-33	-24	17	-18	32	28	32
70% Exceedance	-18	11	39	17	-19	-42	-27	41	9	10	-5	15
80% Exceedance	6	-17	-58	-2	-10	-64	-43	1	19	1	-4	-7
90% Exceedance	11	24	20	21	16	-37	-35	-7	-3	-19	6	10
Full Simulation Period Average ^a	34	31	25	15	-1	-19	-8	31	16	15	23	41
Wet Water Years (32%)	37	31	21	9	-2	-6	10	54	25	18	30	85
Above Normal Water Years (9%)	24	20	26	15	-5	-18	-8	44	16	21	28	73
Below Normal Water Years (20%)	38	33	32	22	0	-42	-16	55	48	43	51	34
Dry Water Years (21%)	40	40	22	13	-1	-32	-39	-17	-30	-14	-5	-3
Critical Water Years (18%)	23	22	27	19	1	-2	3	14	15	10	7	5

^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 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	766	870	980	1,010	1,067	1,067	1,067	1,065	981	914	840	762
20% Exceedance	618	732	769	826	951	1,067	970	915	740	735	685	631
30% Exceedance	525	603	677	747	888	989	925	776	610	599	578	537
40% Exceedance	445	488	610	679	783	859	784	671	526	498	496	481
50% Exceedance	383	427	540	612	709	726	683	553	434	474	435	384
60% Exceedance	264	340	459	549	625	682	599	497	376	392	354	272
70% Exceedance	217	275	347	480	587	637	567	406	306	327	294	218
80% Exceedance	151	174	305	391	466	537	456	373	257	298	240	171
90% Exceedance	49	78	99	223	320	410	375	292	138	254	182	111
Full Simulation Period Average ^a	394	454	531	613	709	762	704	611	491	507	466	405
Wet Water Years (32%)	431	527	605	711	842	904	893	817	690	708	703	646
Above Normal Water Years (9%)	465	564	689	769	866	906	792	653	472	529	571	462
Below Normal Water Years (20%)	454	513	575	633	704	758	634	483	316	393	410	366
Dry Water Years (21%)	360	400	475	536	584	643	569	465	371	387	227	146
Critical Water Years (18%)	265	267	334	427	544	583	558	535	479	408	331	293

Table 4C-2-1-2b. San Luis SWP Storage, Alternative 1 083024, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	868	947	1,067	1,033	1,067	1,067	1,067	1,067	958	918	869	875
20% Exceedance	698	777	820	884	982	1,067	1,037	964	772	741	732	697
30% Exceedance	555	667	736	763	879	965	917	844	656	655	630	609
40% Exceedance	481	553	647	677	766	844	784	712	546	555	548	509
50% Exceedance	422	444	561	640	715	727	662	591	454	470	469	433
60% Exceedance	315	366	469	552	621	649	574	516	359	423	379	305
70% Exceedance	199	285	380	495	563	596	541	447	318	337	290	232
80% Exceedance	164	156	240	389	457	476	408	374	285	298	236	161
90% Exceedance	58	102	111	238	345	372	342	284	135	250	186	121
Full Simulation Period Average ^a	426	484	553	625	706	743	695	641	505	521	487	445
Wet Water Years (32%)	467	556	625	718	838	897	902	871	715	726	733	731
Above Normal Water Years (9%)	488	584	711	780	857	885	781	694	486	547	600	534
Below Normal Water Years (20%)	488	544	603	651	703	716	619	536	360	433	457	397
Dry Water Years (21%)	400	440	497	550	585	613	531	450	342	373	223	143
Critical Water Years (18%)	286	290	357	439	542	578	558	545	492	415	336	297

Table 4C-2-1-2c. San Luis SWP Storage, Alternative 1 083024 minus Baseline Conditions 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	101	77	86	23	0	0	0	2	-24	4	29	114
20% Exceedance	80	44	51	58	31	0	67	49	32	6	48	66
30% Exceedance	31	64	59	16	-8	-24	-7	68	46	56	52	72
40% Exceedance	36	65	37	-2	-17	-15	0	41	19	57	52	28
50% Exceedance	39	17	20	29	6	1	-20	37	19	-4	33	50
60% Exceedance	51	26	11	2	-4	-33	-25	19	-17	31	25	33
70% Exceedance	-18	9	33	16	-23	-41	-27	41	12	10	-4	13
80% Exceedance	14	-17	-65	-2	-9	-61	-48	1	28	1	-4	-10
90% Exceedance	8	24	12	15	26	-38	-34	-7	-3	-4	4	10
Full Simulation Period Average ^a	33	30	23	12	-3	-20	-9	30	14	14	22	40
Wet Water Years (32%)	36	30	19	7	-4	-7	9	54	25	17	30	85
Above Normal Water Years (9%)	23	20	22	12	-9	-21	-11	41	14	18	28	72
Below Normal Water Years (20%)	34	31	28	19	-1	-42	-16	53	45	40	47	30
Dry Water Years (21%)	40	41	22	14	0	-30	-37	-15	-28	-14	-4	-3
Critical Water Years (18%)	22	23	22	13	-2	-5	0	10	13	7	5	4

^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 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	766	870	980	1,010	1,067	1,067	1,067	1,065	981	914	840	762
20% Exceedance	618	732	769	826	951	1,067	970	915	740	735	685	631
30% Exceedance	525	603	677	747	888	989	925	776	610	599	578	537
40% Exceedance	445	488	610	679	783	859	784	671	526	498	496	481
50% Exceedance	383	427	540	612	709	726	683	553	434	474	435	384
60% Exceedance	264	340	459	549	625	682	599	497	376	392	354	272
70% Exceedance	217	275	347	480	587	637	567	406	306	327	294	218
80% Exceedance	151	174	305	391	466	537	456	373	257	298	240	171
90% Exceedance	49	78	99	223	320	410	375	292	138	254	182	111
Full Simulation Period Average ^a	394	454	531	613	709	762	704	611	491	507	466	405
Wet Water Years (32%)	431	527	605	711	842	904	893	817	690	708	703	646
Above Normal Water Years (9%)	465	564	689	769	866	906	792	653	472	529	571	462
Below Normal Water Years (20%)	454	513	575	633	704	758	634	483	316	393	410	366
Dry Water Years (21%)	360	400	475	536	584	643	569	465	371	387	227	146
Critical Water Years (18%)	265	267	334	427	544	583	558	535	479	408	331	293

Table 4C-2-1-3b. San Luis SWP Storage, Alternative 2 083024, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	868	947	1,067	1,033	1,067	1,067	1,067	1,067	958	918	869	875
20% Exceedance	698	778	817	884	983	1,067	1,037	964	773	741	732	701
30% Exceedance	555	667	736	763	886	965	916	845	656	655	631	609
40% Exceedance	481	553	647	677	766	851	784	715	546	554	548	509
50% Exceedance	422	444	561	639	715	726	662	591	453	467	469	433
60% Exceedance	315	365	469	559	621	651	574	514	359	410	376	306
70% Exceedance	199	288	386	502	564	596	541	443	318	338	290	232
80% Exceedance	150	158	247	389	457	476	412	374	275	298	237	162
90% Exceedance	48	99	101	221	343	370	342	282	135	250	181	115
Full Simulation Period Average ^a	425	484	553	625	707	743	695	640	504	521	486	444
Wet Water Years (32%)	466	557	625	719	839	898	902	871	715	726	733	731
Above Normal Water Years (9%)	488	584	715	784	861	888	784	697	489	549	600	536
Below Normal Water Years (20%)	482	541	598	646	700	713	616	533	357	430	455	395
Dry Water Years (21%)	401	442	499	552	587	614	531	448	338	370	218	139
Critical Water Years (18%)	287	291	358	441	544	580	560	546	493	418	337	298

Table 4C-2-1-3c. San Luis SWP Storage, Alternative 2 083024 minus Baseline Conditions 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	101	77	86	23	0	0	0	2	-24	4	29	114
20% Exceedance	80	45	48	58	32	0	67	49	33	6	48	69
30% Exceedance	31	64	58	16	-2	-24	-8	68	46	56	53	72
40% Exceedance	36	65	37	-3	-17	-8	-1	44	19	57	52	29
50% Exceedance	39	17	20	28	6	1	-20	37	19	-6	33	50
60% Exceedance	52	25	10	9	-4	-31	-25	17	-17	18	22	33
70% Exceedance	-18	13	40	22	-23	-41	-27	37	12	11	-4	13
80% Exceedance	0	-16	-58	-2	-9	-61	-43	1	18	1	-3	-9
90% Exceedance	-2	21	2	-2	24	-40	-34	-10	-3	-4	-2	3
Full Simulation Period Average ^a	31	30	23	13	-2	-19	-9	30	13	13	21	39
Wet Water Years (32%)	35	30	20	8	-3	-6	9	54	25	18	30	85
Above Normal Water Years (9%)	23	20	26	15	-5	-18	-8	44	16	21	28	74
Below Normal Water Years (20%)	28	28	23	13	-5	-45	-19	51	42	37	45	28
Dry Water Years (21%)	41	42	24	16	2	-29	-38	-17	-33	-17	-9	-8
Critical Water Years (18%)	22	24	24	15	0	-3	1	12	14	10	7	5

^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 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	766	870	980	1,010	1,067	1,067	1,067	1,065	981	914	840	762
20% Exceedance	618	732	769	826	951	1,067	970	915	740	735	685	631
30% Exceedance	525	603	677	747	888	989	925	776	610	599	578	537
40% Exceedance	445	488	610	679	783	859	784	671	526	498	496	481
50% Exceedance	383	427	540	612	709	726	683	553	434	474	435	384
60% Exceedance	264	340	459	549	625	682	599	497	376	392	354	272
70% Exceedance	217	275	347	480	587	637	567	406	306	327	294	218
80% Exceedance	151	174	305	391	466	537	456	373	257	298	240	171
90% Exceedance	49	78	99	223	320	410	375	292	138	254	182	111
Full Simulation Period Average ^a	394	454	531	613	709	762	704	611	491	507	466	405
Wet Water Years (32%)	431	527	605	711	842	904	893	817	690	708	703	646
Above Normal Water Years (9%)	465	564	689	769	866	906	792	653	472	529	571	462
Below Normal Water Years (20%)	454	513	575	633	704	758	634	483	316	393	410	366
Dry Water Years (21%)	360	400	475	536	584	643	569	465	371	387	227	146
Critical Water Years (18%)	265	267	334	427	544	583	558	535	479	408	331	293

Table 4C-2-1-4b. San Luis SWP Storage, Alternative 3 083024, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	868	947	1,067	1,033	1,067	1,067	1,067	1,067	958	918	869	875
20% Exceedance	706	777	820	884	993	1,067	1,037	964	767	741	732	697
30% Exceedance	556	666	737	780	879	975	916	839	656	659	633	609
40% Exceedance	481	549	650	685	771	858	788	719	546	554	556	512
50% Exceedance	423	445	572	641	722	727	662	591	453	482	468	433
60% Exceedance	315	365	458	552	621	649	575	516	359	423	384	305
70% Exceedance	199	286	380	494	564	595	541	447	318	337	289	233
80% Exceedance	156	156	243	389	457	473	408	374	277	299	237	163
90% Exceedance	61	102	111	234	336	373	342	284	136	235	188	122
Full Simulation Period Average ^a	427	484	555	627	708	744	696	642	506	522	488	446
Wet Water Years (32%)	468	557	626	719	839	897	902	871	715	726	733	731
Above Normal Water Years (9%)	488	584	711	780	858	885	780	693	486	547	600	534
Below Normal Water Years (20%)	491	546	606	655	706	718	620	538	363	436	461	399
Dry Water Years (21%)	400	440	497	550	584	613	531	449	342	372	222	143
Critical Water Years (18%)	286	289	360	447	547	583	563	549	496	419	338	299

Table 4C-2-1-4c. San Luis SWP Storage, Alternative 3 083024 minus Baseline Conditions 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	102	77	86	23	0	0	0	2	-24	4	29	114
20% Exceedance	88	44	51	57	42	0	67	49	27	6	48	66
30% Exceedance	31	64	59	32	-9	-14	-8	63	46	60	55	72
40% Exceedance	37	61	40	6	-13	-1	4	48	19	57	60	32
50% Exceedance	39	18	32	29	13	1	-21	37	19	8	33	50
60% Exceedance	51	26	-1	3	-4	-33	-24	20	-17	32	30	32
70% Exceedance	-18	11	33	14	-22	-42	-26	41	12	9	-5	15
80% Exceedance	6	-17	-62	-2	-10	-64	-48	1	20	1	-4	-7
90% Exceedance	11	24	12	11	16	-37	-33	-7	-3	-19	6	10
Full Simulation Period Average ^a	34	30	24	15	-1	-19	-8	31	16	15	23	41
Wet Water Years (32%)	37	30	20	8	-3	-7	9	54	25	18	30	85
Above Normal Water Years (9%)	23	20	22	11	-9	-22	-11	41	14	18	28	72
Below Normal Water Years (20%)	37	33	32	22	2	-40	-14	55	48	43	51	33
Dry Water Years (21%)	40	40	22	14	0	-30	-38	-16	-29	-14	-5	-3
Critical Water Years (18%)	22	21	26	20	3	0	4	15	16	11	8	6

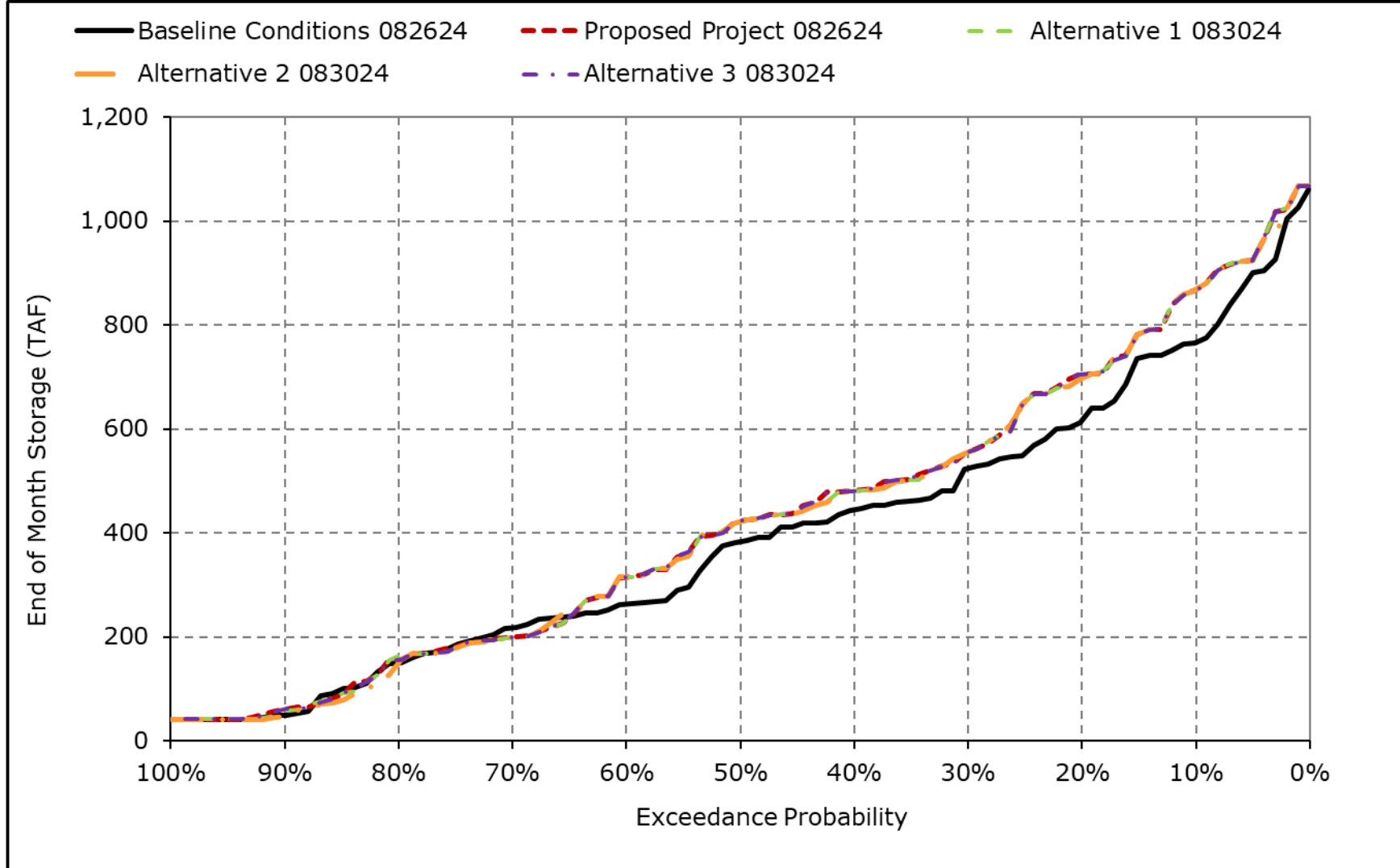
^a Based on the 100-year simulation period.

* 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).

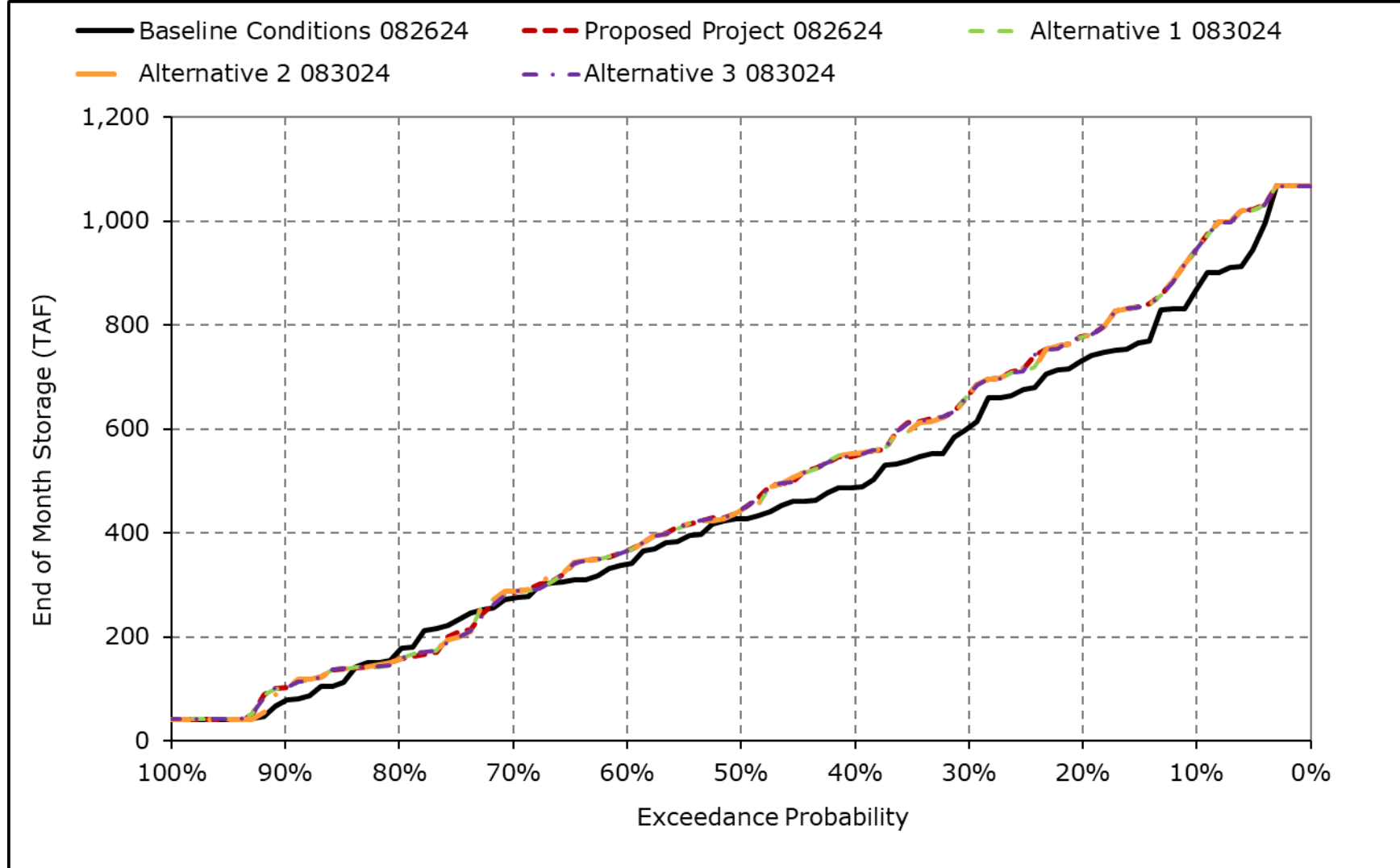
* Water Year Types results are displayed with water year - year type sorting.

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



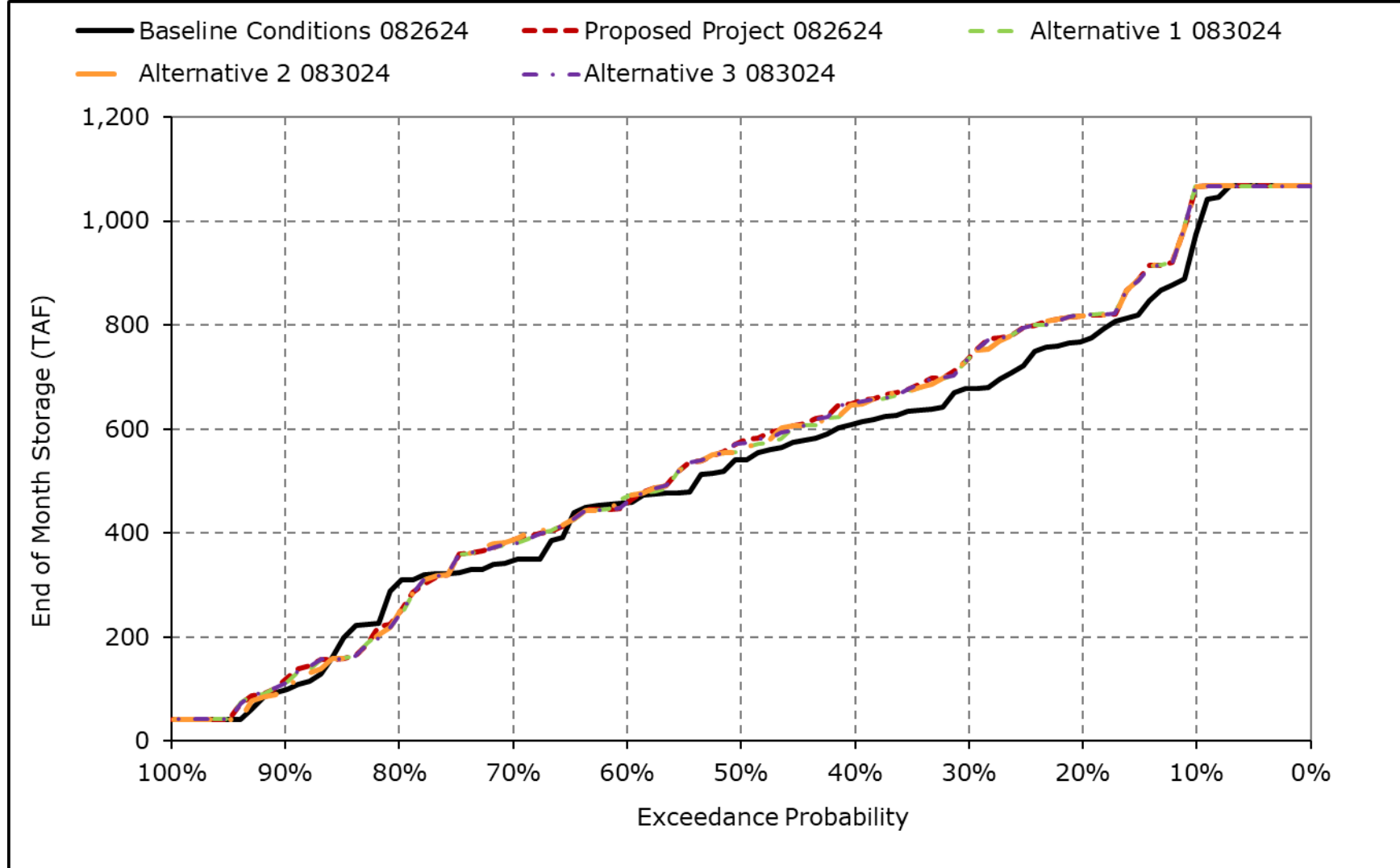
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



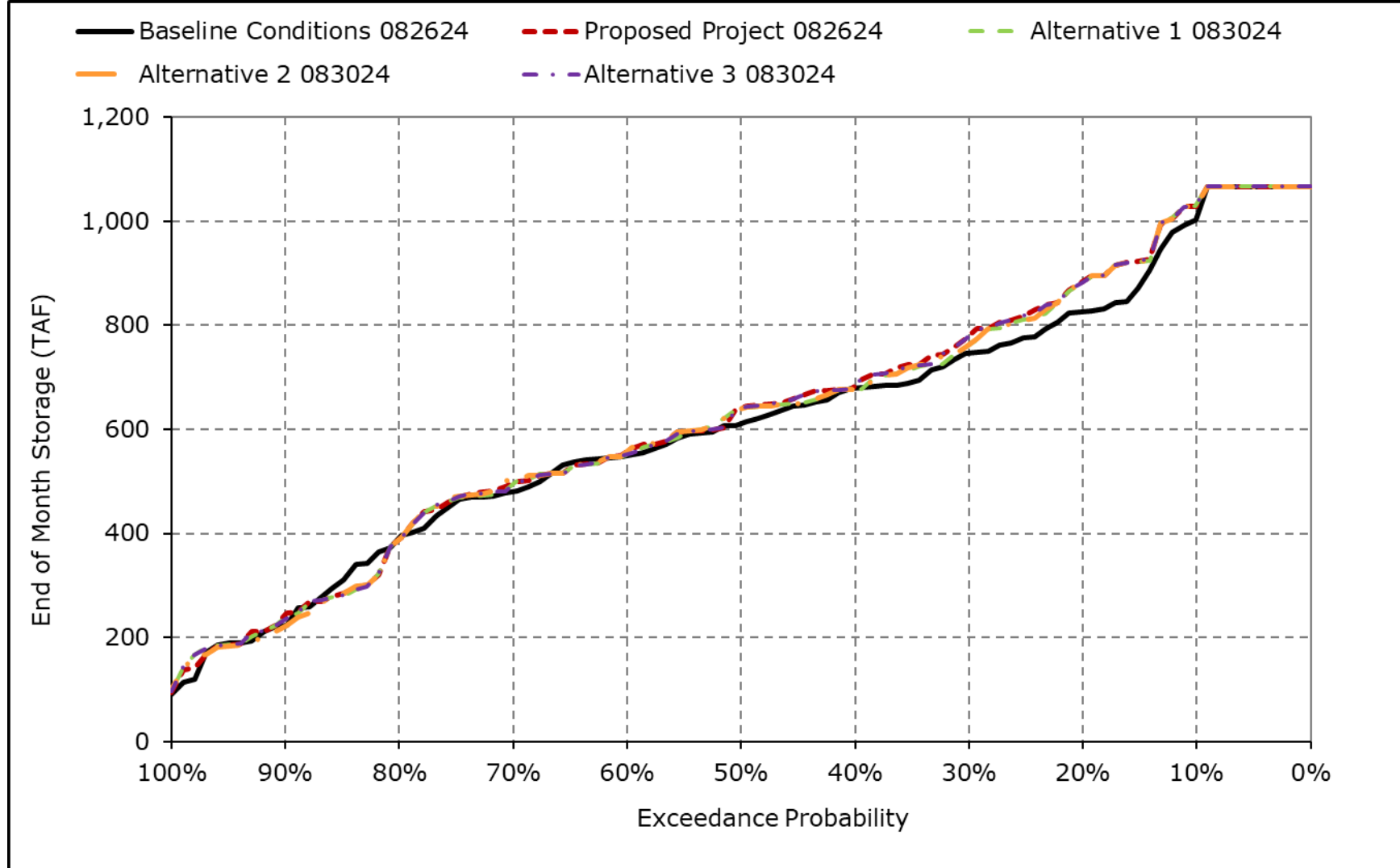
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



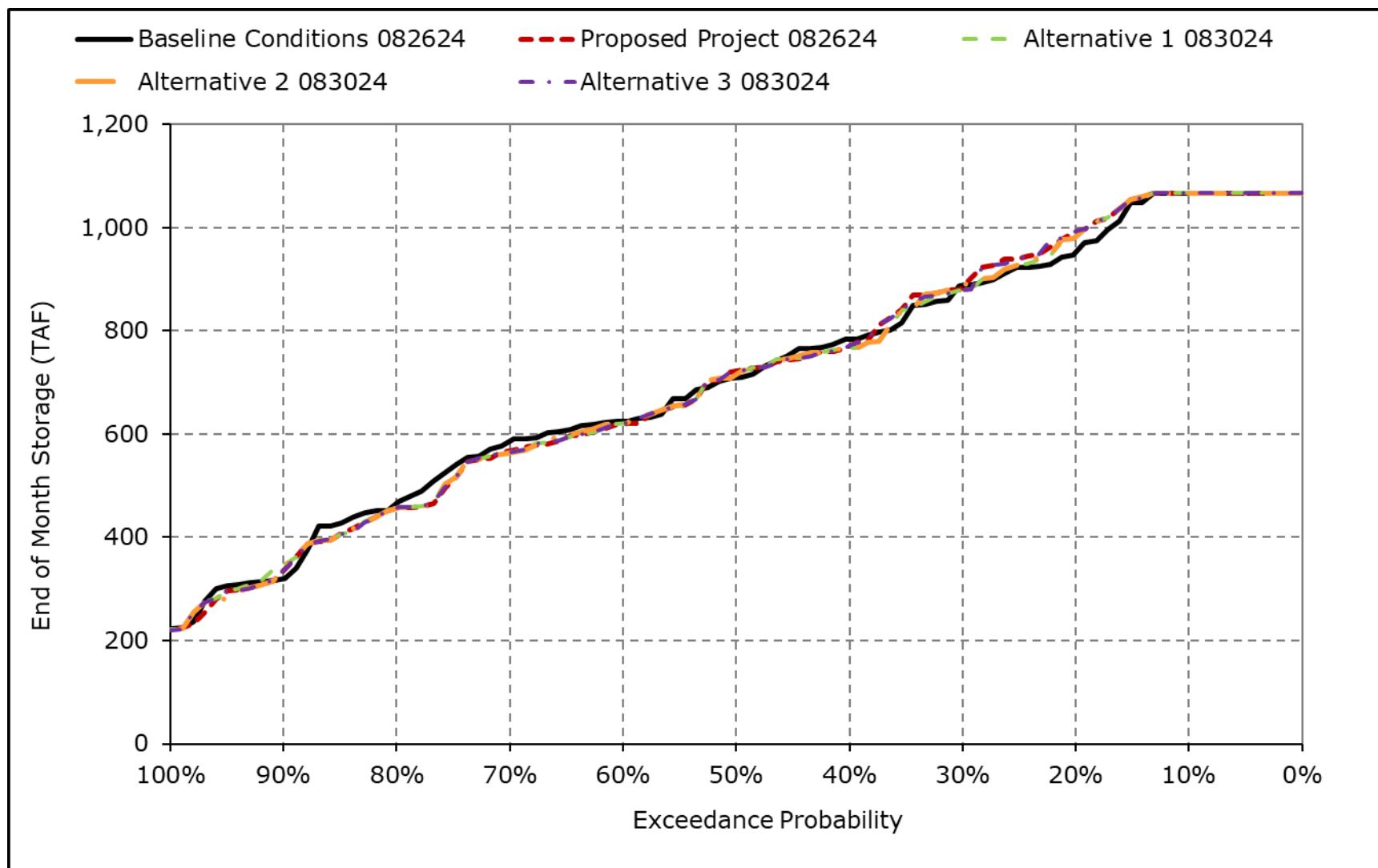
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



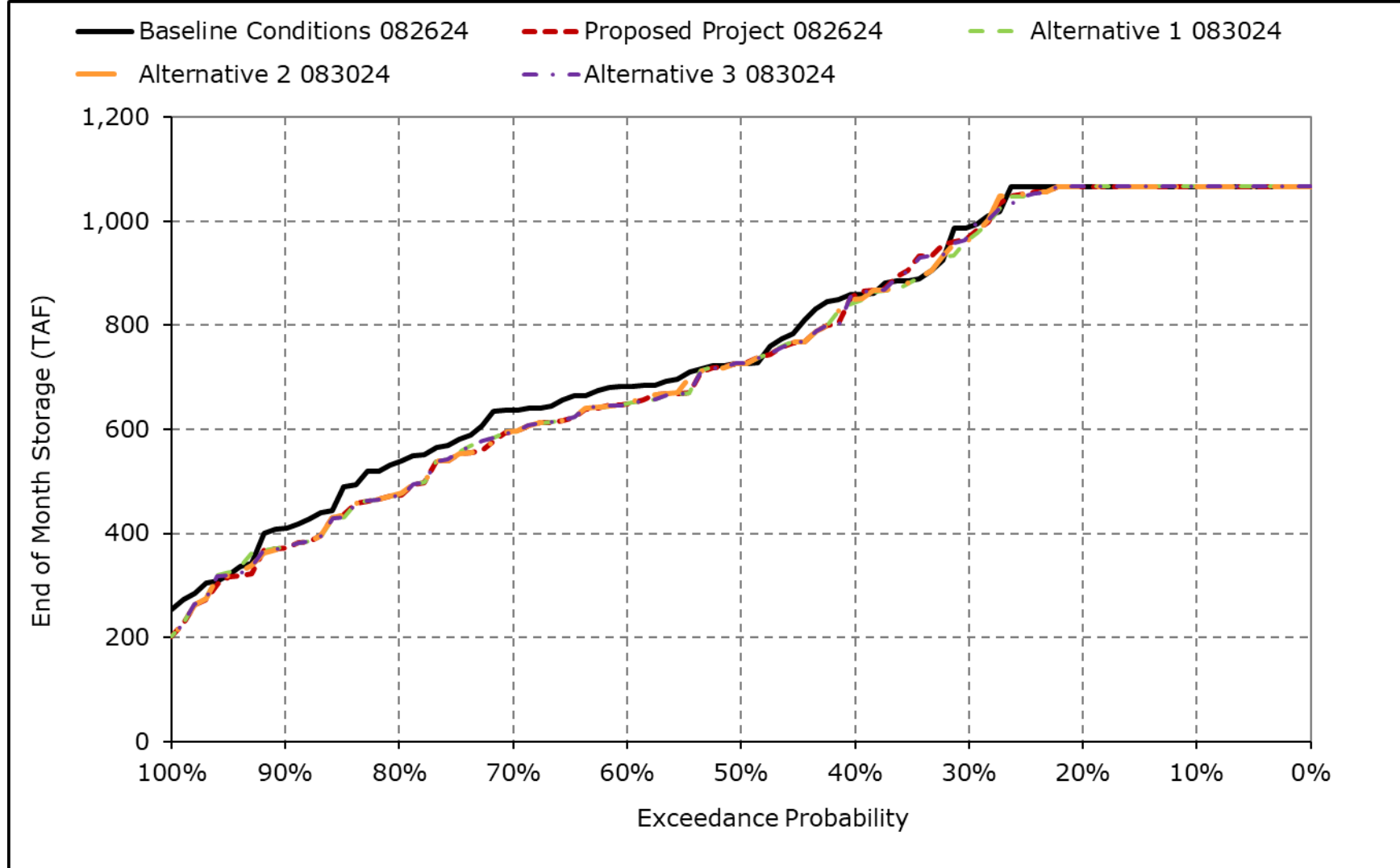
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



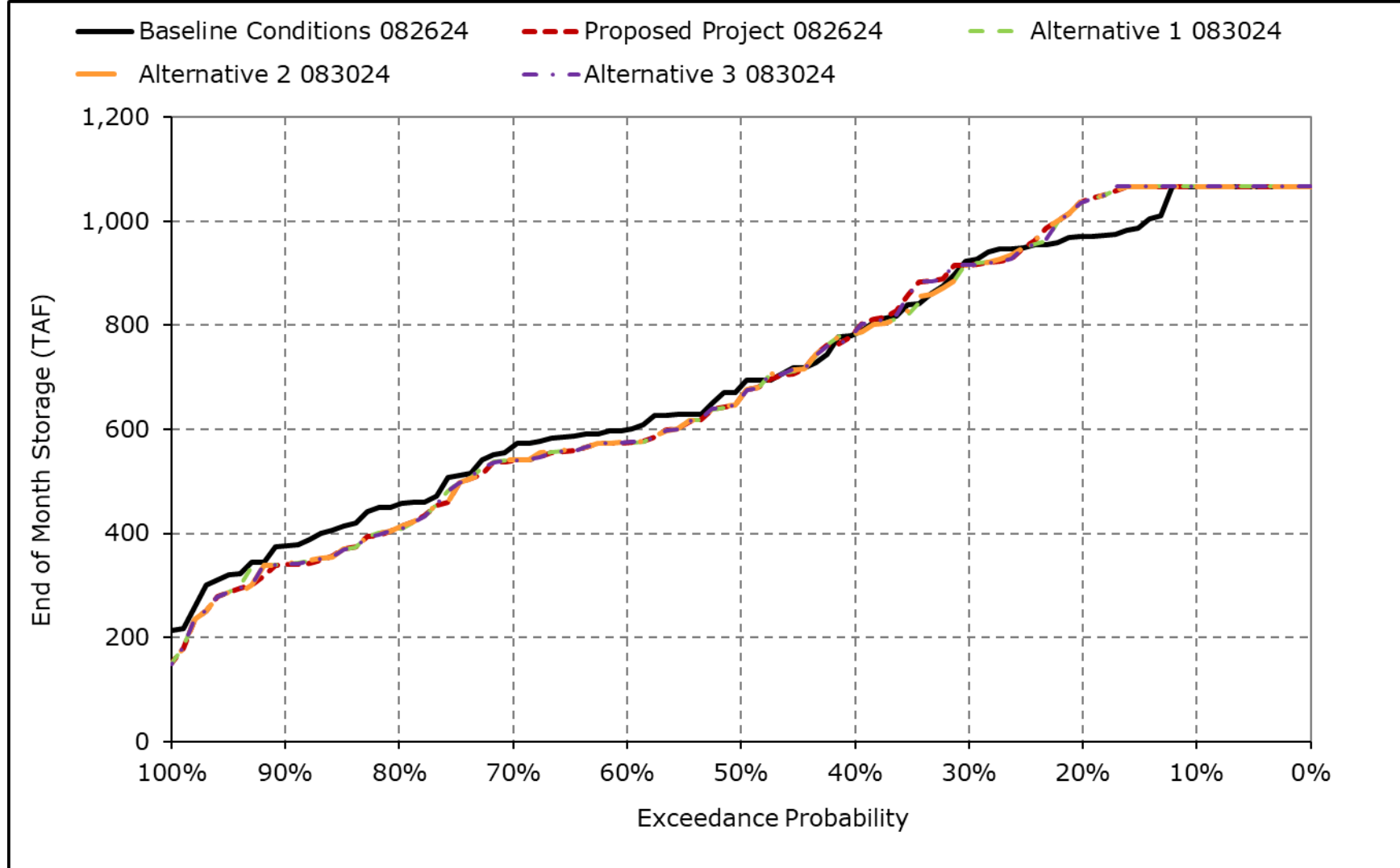
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



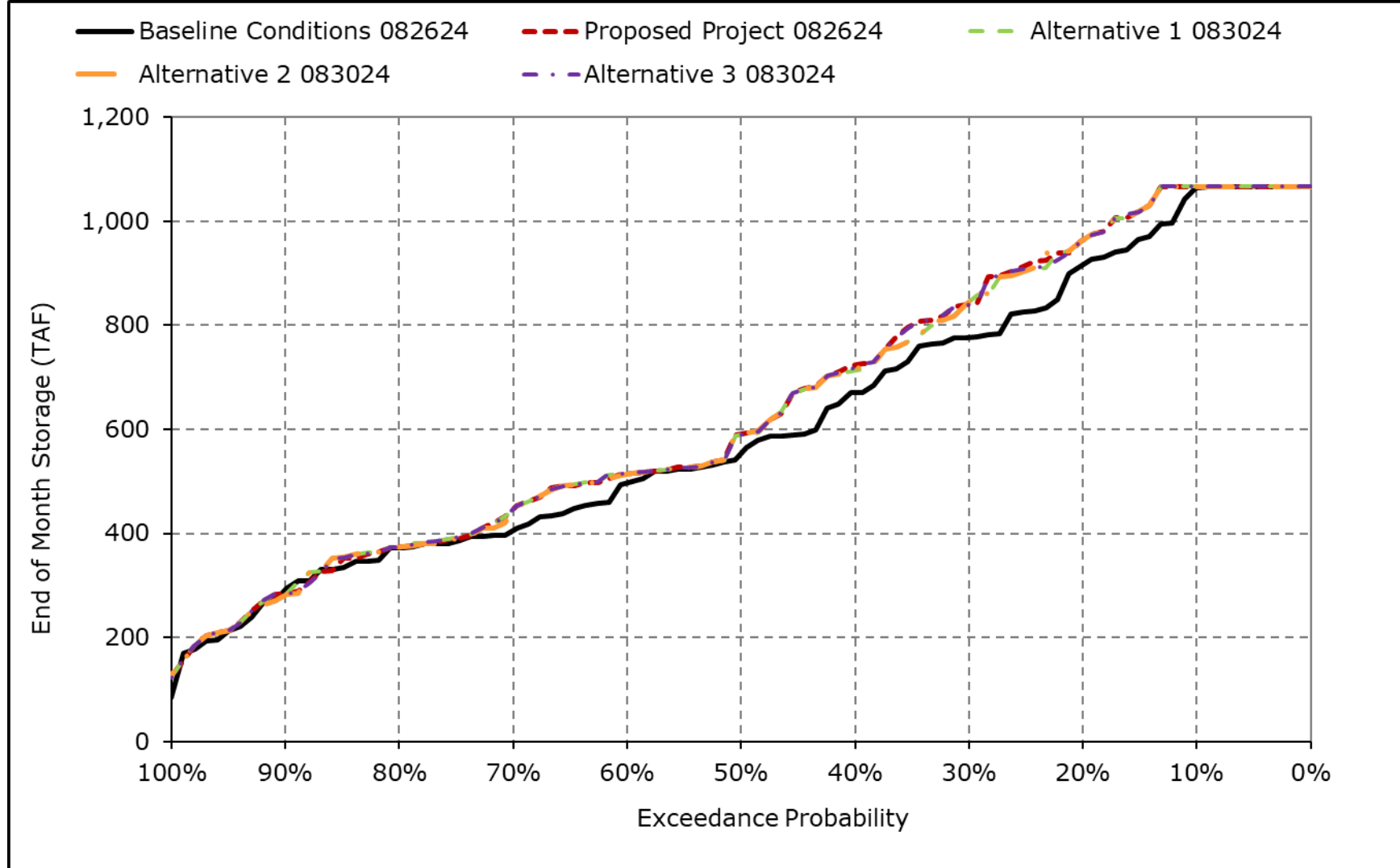
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



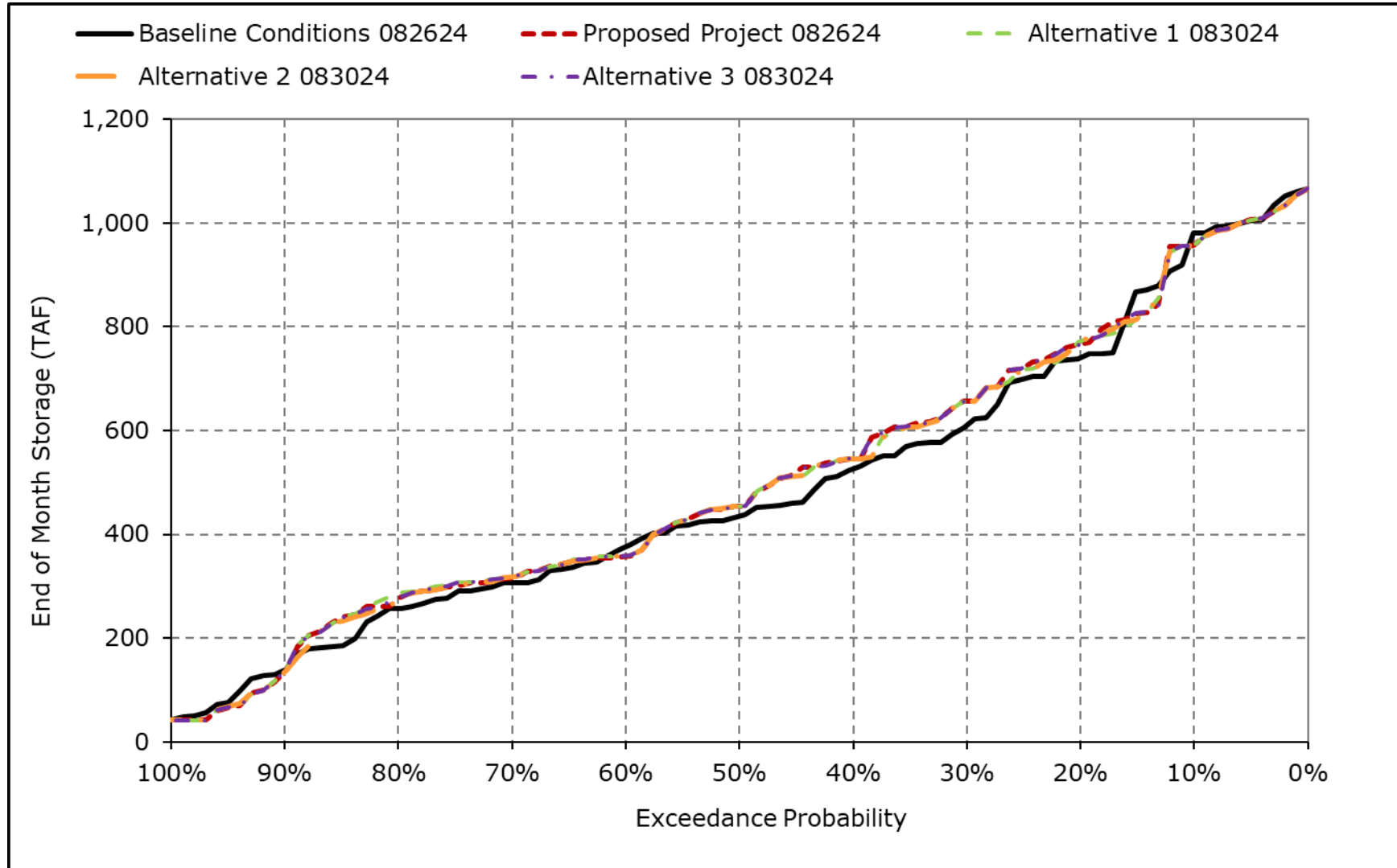
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



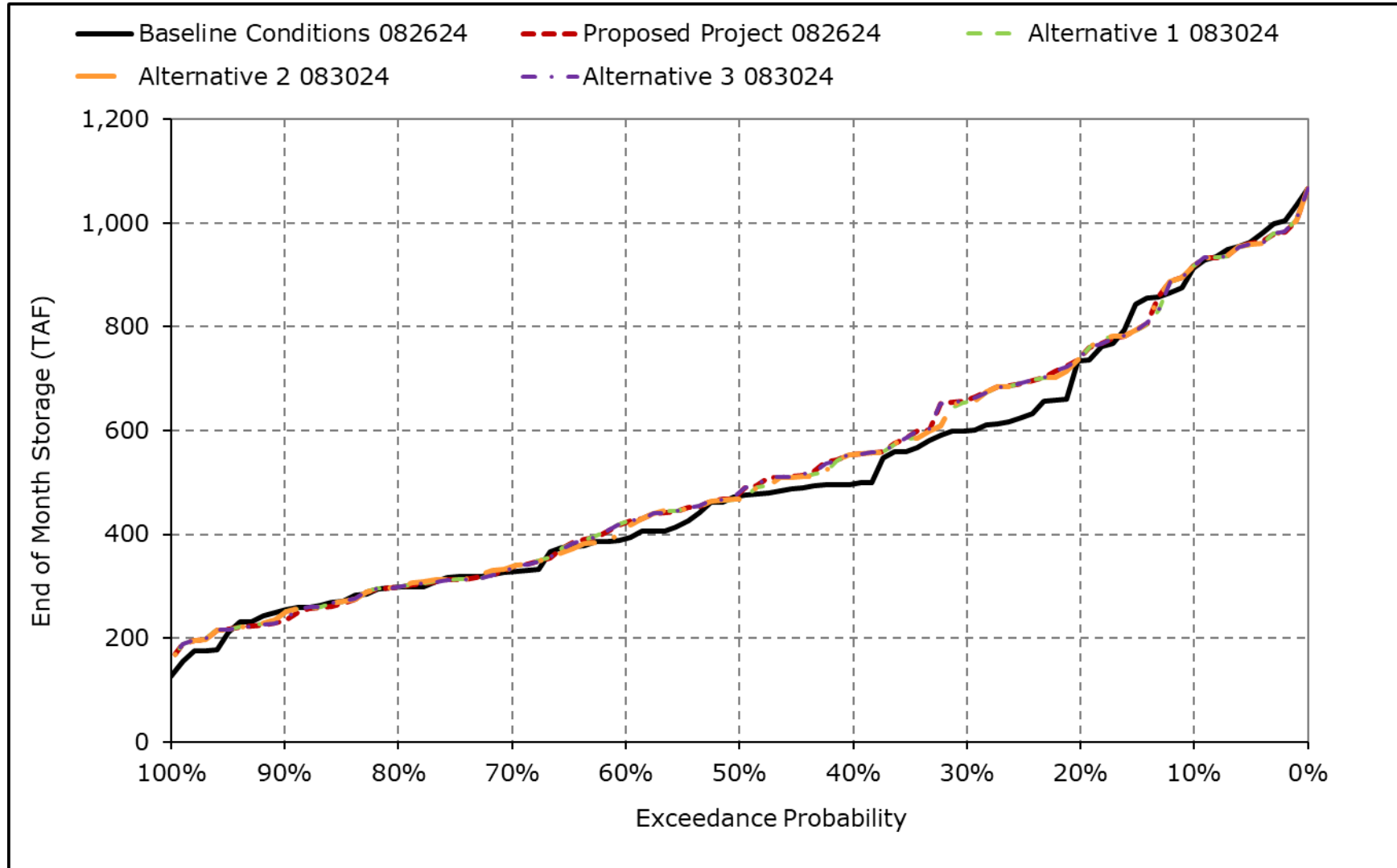
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



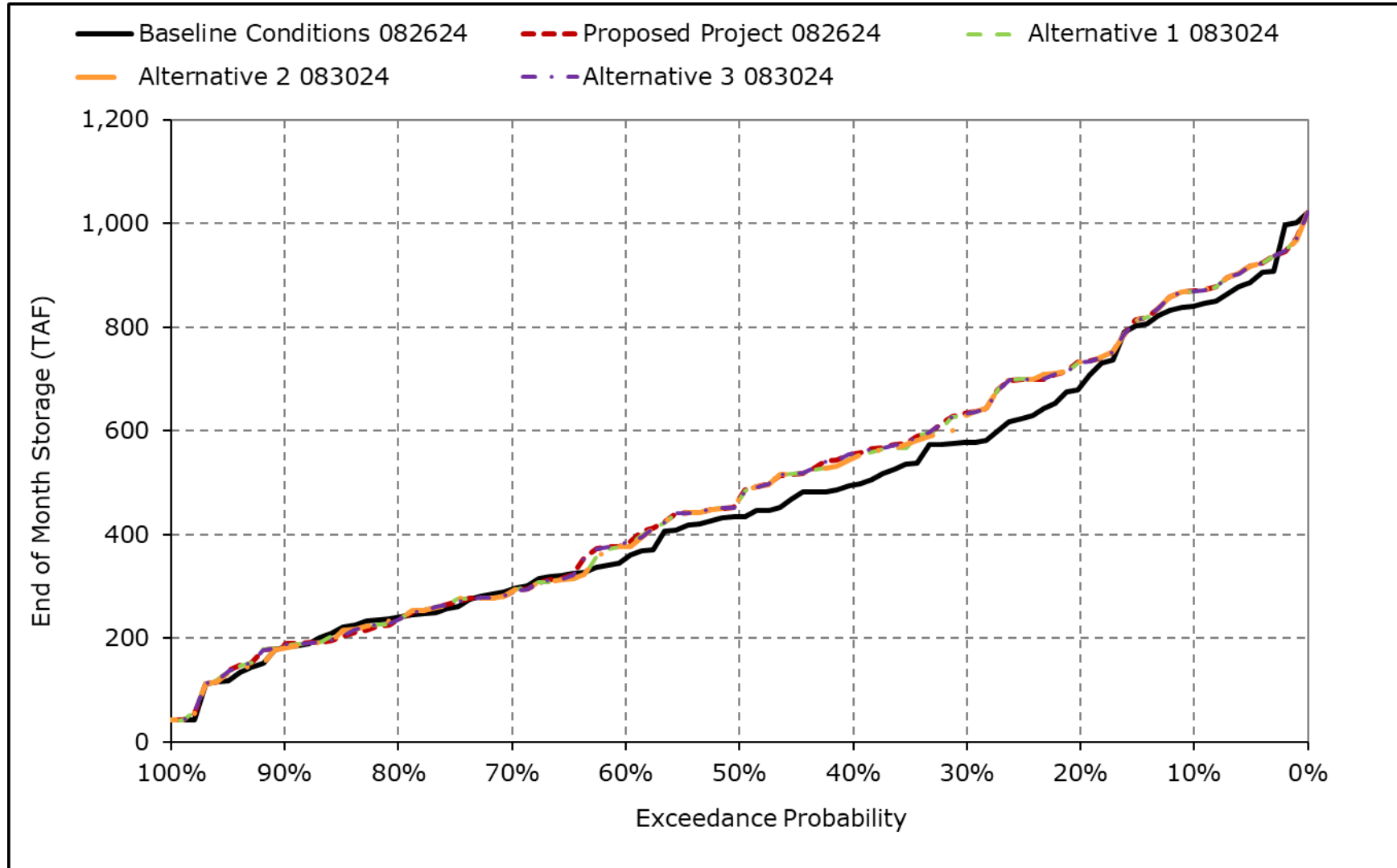
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



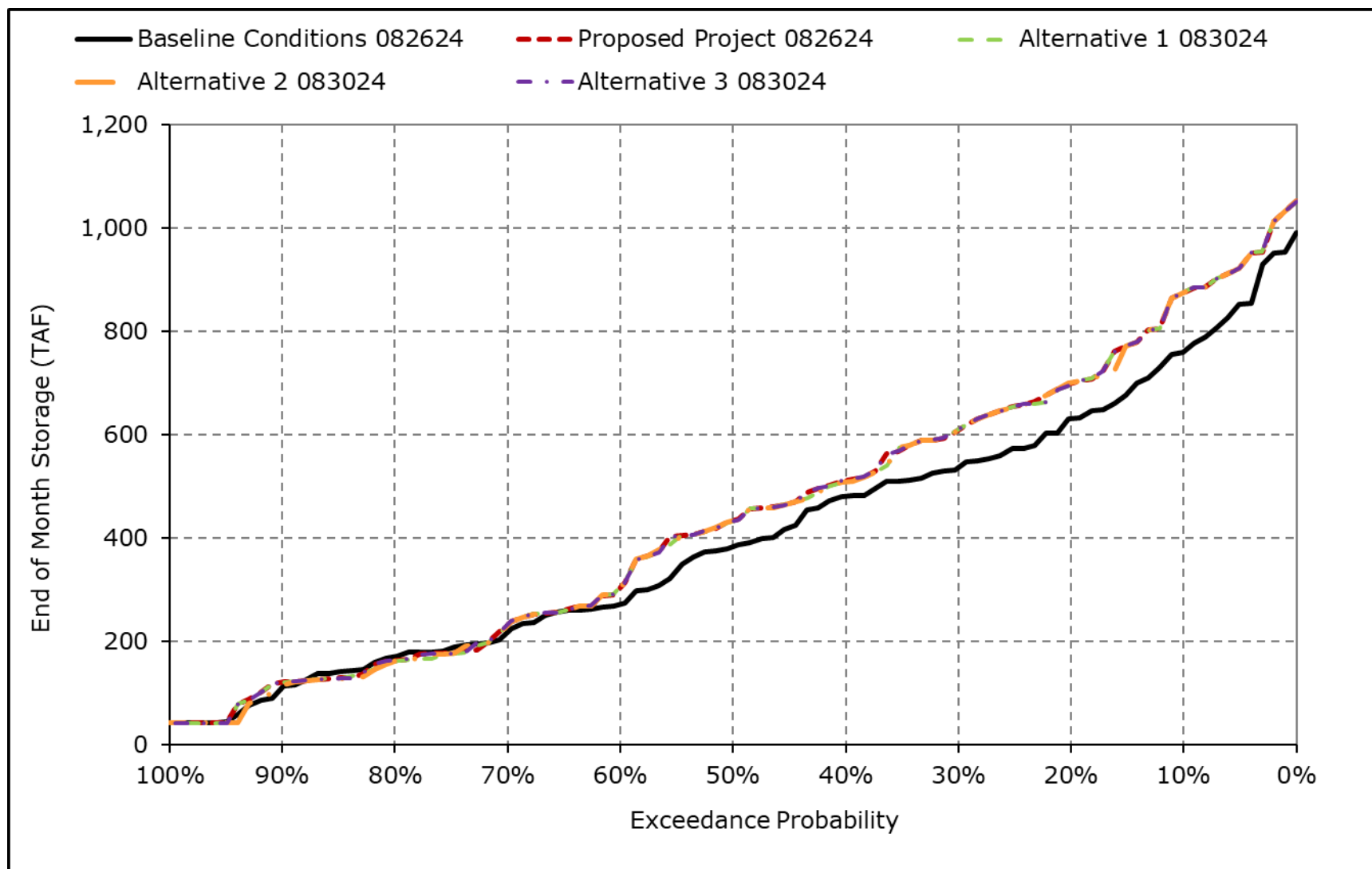
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,397	1,595	1,783	1,830	1,974	2,039	2,039	1,937	1,828	1,528	1,366	1,387
20% Exceedance	990	1,198	1,414	1,583	1,860	2,036	1,854	1,811	1,403	1,106	924	859
30% Exceedance	725	999	1,262	1,440	1,657	1,864	1,732	1,481	1,069	848	669	674
40% Exceedance	635	837	1,090	1,306	1,477	1,613	1,432	1,169	895	730	587	570
50% Exceedance	512	703	980	1,178	1,359	1,485	1,267	1,040	806	635	521	512
60% Exceedance	454	577	842	1,083	1,269	1,385	1,209	973	695	568	443	416
70% Exceedance	349	516	707	962	1,211	1,310	1,107	847	569	502	380	358
80% Exceedance	305	444	624	863	1,146	1,199	1,021	745	518	442	330	303
90% Exceedance	221	311	484	626	854	988	851	665	402	386	259	227
Full Simulation Period Average ^a	648	827	1,032	1,215	1,412	1,526	1,387	1,189	928	778	633	613
Wet Water Years (32%)	698	933	1,185	1,446	1,701	1,824	1,789	1,643	1,365	1,159	1,027	998
Above Normal Water Years (9%)	676	903	1,196	1,408	1,636	1,749	1,582	1,349	978	778	683	566
Below Normal Water Years (20%)	763	961	1,117	1,259	1,436	1,547	1,272	956	634	566	509	533
Dry Water Years (21%)	630	780	962	1,092	1,209	1,328	1,121	869	649	556	315	302
Critical Water Years (18%)	441	507	664	805	998	1,089	1,013	932	780	594	417	404

Table 4C-2-2-1b. San Luis Storage (CVP and SWP), Proposed Project 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,459	1,671	1,886	1,888	1,993	2,039	2,039	1,955	1,798	1,482	1,386	1,473
20% Exceedance	1,016	1,221	1,429	1,608	1,854	2,029	1,922	1,859	1,395	1,093	902	931
30% Exceedance	775	1,054	1,264	1,455	1,612	1,846	1,749	1,565	1,101	882	756	747
40% Exceedance	649	867	1,111	1,295	1,468	1,583	1,380	1,187	916	745	630	611
50% Exceedance	549	705	996	1,193	1,378	1,454	1,271	1,050	780	636	537	531
60% Exceedance	474	624	881	1,080	1,266	1,325	1,147	970	695	560	466	445
70% Exceedance	357	533	706	973	1,169	1,251	1,083	853	573	500	370	356
80% Exceedance	313	412	639	851	1,069	1,166	963	760	505	437	317	299
90% Exceedance	227	324	471	637	835	928	801	646	369	367	264	238
Full Simulation Period Average ^a	676	852	1,050	1,223	1,396	1,492	1,365	1,208	920	777	650	647
Wet Water Years (32%)	729	960	1,201	1,447	1,691	1,814	1,795	1,693	1,371	1,163	1,047	1,073
Above Normal Water Years (9%)	692	916	1,220	1,415	1,617	1,720	1,564	1,387	964	785	714	632
Below Normal Water Years (20%)	795	989	1,143	1,272	1,419	1,489	1,241	998	648	586	551	559
Dry Water Years (21%)	667	817	977	1,102	1,183	1,270	1,058	833	591	523	305	292
Critical Water Years (18%)	454	518	680	815	983	1,066	996	926	781	595	422	409

Table 4C-2-2-1c. San Luis Storage (CVP and SWP), Proposed Project 082624 minus Baseline Conditions 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62	76	103	58	19	0	0	18	-30	-45	19	86
20% Exceedance	26	23	15	25	-6	-8	68	49	-7	-13	-22	72
30% Exceedance	50	55	3	15	-45	-18	17	84	32	34	87	73
40% Exceedance	14	29	21	-11	-9	-30	-52	17	21	15	43	41
50% Exceedance	37	2	16	15	19	-31	3	9	-26	1	16	20
60% Exceedance	20	47	39	-3	-3	-60	-62	-3	0	-8	23	29
70% Exceedance	8	17	-1	11	-42	-59	-24	6	4	-2	-10	-2
80% Exceedance	8	-33	16	-12	-77	-32	-58	15	-13	-5	-13	-3
90% Exceedance	6	13	-13	11	-19	-60	-50	-19	-33	-20	5	11
Full Simulation Period Average ^a	28	25	19	8	-17	-34	-22	19	-9	-1	16	34
Wet Water Years (32%)	32	27	16	1	-10	-10	6	50	5	4	20	75
Above Normal Water Years (9%)	16	13	24	7	-19	-28	-18	38	-14	7	31	66
Below Normal Water Years (20%)	32	28	26	13	-17	-58	-31	43	15	20	42	25
Dry Water Years (21%)	36	37	15	10	-26	-58	-62	-36	-59	-33	-10	-10
Critical Water Years (18%)	14	11	16	10	-15	-23	-18	-5	1	2	5	4

^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 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,397	1,595	1,783	1,830	1,974	2,039	2,039	1,937	1,828	1,528	1,366	1,387
20% Exceedance	990	1,198	1,414	1,583	1,860	2,036	1,854	1,811	1,403	1,106	924	859
30% Exceedance	725	999	1,262	1,440	1,657	1,864	1,732	1,481	1,069	848	669	674
40% Exceedance	635	837	1,090	1,306	1,477	1,613	1,432	1,169	895	730	587	570
50% Exceedance	512	703	980	1,178	1,359	1,485	1,267	1,040	806	635	521	512
60% Exceedance	454	577	842	1,083	1,269	1,385	1,209	973	695	568	443	416
70% Exceedance	349	516	707	962	1,211	1,310	1,107	847	569	502	380	358
80% Exceedance	305	444	624	863	1,146	1,199	1,021	745	518	442	330	303
90% Exceedance	221	311	484	626	854	988	851	665	402	386	259	227
Full Simulation Period Average ^a	648	827	1,032	1,215	1,412	1,526	1,387	1,189	928	778	633	613
Wet Water Years (32%)	698	933	1,185	1,446	1,701	1,824	1,789	1,643	1,365	1,159	1,027	998
Above Normal Water Years (9%)	676	903	1,196	1,408	1,636	1,749	1,582	1,349	978	778	683	566
Below Normal Water Years (20%)	763	961	1,117	1,259	1,436	1,547	1,272	956	634	566	509	533
Dry Water Years (21%)	630	780	962	1,092	1,209	1,328	1,121	869	649	556	315	302
Critical Water Years (18%)	441	507	664	805	998	1,089	1,013	932	780	594	417	404

Table 4C-2-2-2b. San Luis Storage (CVP and SWP), Alternative 1 083024, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,459	1,671	1,885	1,888	1,993	2,039	2,039	1,955	1,797	1,482	1,386	1,473
20% Exceedance	1,012	1,221	1,429	1,626	1,856	2,018	1,922	1,852	1,399	1,096	902	932
30% Exceedance	771	1,054	1,264	1,433	1,611	1,846	1,758	1,565	1,087	880	756	747
40% Exceedance	646	866	1,116	1,299	1,476	1,585	1,378	1,186	904	738	625	612
50% Exceedance	547	705	988	1,177	1,377	1,457	1,266	1,043	780	637	538	528
60% Exceedance	474	630	879	1,079	1,268	1,324	1,140	971	695	562	455	446
70% Exceedance	357	520	709	974	1,170	1,246	1,083	854	571	500	371	357
80% Exceedance	312	412	636	852	1,070	1,169	963	760	503	439	317	295
90% Exceedance	221	324	471	638	835	928	801	647	370	371	264	240
Full Simulation Period Average ^a	676	853	1,049	1,222	1,395	1,492	1,365	1,207	919	776	649	646
Wet Water Years (32%)	729	960	1,200	1,446	1,690	1,814	1,795	1,693	1,371	1,163	1,048	1,074
Above Normal Water Years (9%)	693	917	1,217	1,412	1,615	1,719	1,562	1,385	963	784	715	631
Below Normal Water Years (20%)	792	988	1,142	1,272	1,420	1,491	1,243	998	646	584	548	556
Dry Water Years (21%)	669	820	980	1,106	1,187	1,274	1,061	836	593	524	306	292
Critical Water Years (18%)	453	518	674	809	976	1,060	989	920	776	592	418	407

Table 4C-2-2-2c. San Luis Storage (CVP and SWP), Alternative 1 083024 minus Baseline Conditions 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62	76	102	58	19	0	0	18	-31	-45	20	87
20% Exceedance	22	23	15	43	-4	-18	68	41	-4	-10	-22	73
30% Exceedance	46	55	3	-7	-45	-18	26	84	18	32	87	73
40% Exceedance	11	28	26	-7	-1	-28	-54	17	9	8	38	42
50% Exceedance	35	2	8	-1	18	-27	-1	3	-26	1	17	17
60% Exceedance	20	53	37	-5	0	-61	-69	-2	1	-6	13	30
70% Exceedance	8	5	2	12	-40	-65	-24	6	2	-2	-9	-1
80% Exceedance	7	-33	12	-11	-77	-30	-58	15	-15	-3	-13	-8
90% Exceedance	0	13	-13	11	-19	-60	-51	-18	-32	-16	5	13
Full Simulation Period Average ^a	28	26	17	7	-17	-34	-22	19	-10	-2	16	33
Wet Water Years (32%)	31	27	15	0	-11	-10	6	51	6	4	21	76
Above Normal Water Years (9%)	17	14	21	4	-21	-30	-20	36	-16	6	32	65
Below Normal Water Years (20%)	28	27	24	12	-16	-56	-29	42	13	17	38	22
Dry Water Years (21%)	39	40	18	14	-22	-54	-59	-34	-57	-32	-9	-10
Critical Water Years (18%)	12	11	11	5	-21	-30	-24	-11	-4	-2	1	3

^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 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,397	1,595	1,783	1,830	1,974	2,039	2,039	1,937	1,828	1,528	1,366	1,387
20% Exceedance	990	1,198	1,414	1,583	1,860	2,036	1,854	1,811	1,403	1,106	924	859
30% Exceedance	725	999	1,262	1,440	1,657	1,864	1,732	1,481	1,069	848	669	674
40% Exceedance	635	837	1,090	1,306	1,477	1,613	1,432	1,169	895	730	587	570
50% Exceedance	512	703	980	1,178	1,359	1,485	1,267	1,040	806	635	521	512
60% Exceedance	454	577	842	1,083	1,269	1,385	1,209	973	695	568	443	416
70% Exceedance	349	516	707	962	1,211	1,310	1,107	847	569	502	380	358
80% Exceedance	305	444	624	863	1,146	1,199	1,021	745	518	442	330	303
90% Exceedance	221	311	484	626	854	988	851	665	402	386	259	227
Full Simulation Period Average ^a	648	827	1,032	1,215	1,412	1,526	1,387	1,189	928	778	633	613
Wet Water Years (32%)	698	933	1,185	1,446	1,701	1,824	1,789	1,643	1,365	1,159	1,027	998
Above Normal Water Years (9%)	676	903	1,196	1,408	1,636	1,749	1,582	1,349	978	778	683	566
Below Normal Water Years (20%)	763	961	1,117	1,259	1,436	1,547	1,272	956	634	566	509	533
Dry Water Years (21%)	630	780	962	1,092	1,209	1,328	1,121	869	649	556	315	302
Critical Water Years (18%)	441	507	664	805	998	1,089	1,013	932	780	594	417	404

Table 4C-2-2-3b. San Luis Storage (CVP and SWP), Alternative 2 083024, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,459	1,671	1,873	1,888	1,993	2,039	2,039	1,955	1,797	1,482	1,386	1,473
20% Exceedance	1,017	1,221	1,429	1,608	1,855	2,022	1,922	1,853	1,395	1,096	902	913
30% Exceedance	775	1,054	1,265	1,455	1,611	1,846	1,749	1,565	1,087	880	748	747
40% Exceedance	646	866	1,117	1,299	1,463	1,584	1,380	1,186	906	736	624	612
50% Exceedance	547	704	988	1,185	1,370	1,457	1,268	1,044	780	636	538	528
60% Exceedance	459	631	879	1,080	1,268	1,323	1,140	971	695	542	454	446
70% Exceedance	357	517	709	974	1,170	1,246	1,084	854	571	501	370	359
80% Exceedance	312	412	610	826	1,069	1,153	963	755	491	438	322	294
90% Exceedance	222	325	471	638	835	928	801	639	369	369	255	241
Full Simulation Period Average ^a	674	851	1,047	1,221	1,394	1,491	1,363	1,206	917	775	647	645
Wet Water Years (32%)	727	958	1,198	1,446	1,690	1,814	1,794	1,693	1,371	1,163	1,047	1,073
Above Normal Water Years (9%)	691	916	1,219	1,415	1,617	1,721	1,564	1,387	965	786	714	633
Below Normal Water Years (20%)	785	985	1,136	1,266	1,416	1,487	1,240	995	643	581	545	554
Dry Water Years (21%)	670	819	978	1,103	1,184	1,271	1,058	832	587	521	301	287
Critical Water Years (18%)	453	520	676	811	978	1,061	991	921	777	594	420	408

Table 4C-2-2-3c. San Luis Storage (CVP and SWP), Alternative 2 083024 minus Baseline Conditions 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62	76	91	58	19	0	0	18	-31	-45	20	87
20% Exceedance	28	23	15	24	-5	-14	68	42	-7	-10	-22	54
30% Exceedance	50	55	3	15	-45	-18	17	84	18	32	79	73
40% Exceedance	11	28	27	-7	-15	-28	-52	17	11	6	37	42
50% Exceedance	35	2	8	7	11	-28	1	3	-26	1	17	17
60% Exceedance	6	54	37	-4	-1	-62	-69	-2	0	-26	11	30
70% Exceedance	8	1	2	12	-41	-65	-23	6	3	-1	-10	1
80% Exceedance	7	-33	-13	-37	-77	-46	-58	10	-27	-4	-8	-8
90% Exceedance	1	14	-13	11	-19	-60	-51	-26	-33	-17	-4	14
Full Simulation Period Average ^a	26	24	16	5	-18	-35	-23	17	-11	-3	14	32
Wet Water Years (32%)	30	25	14	0	-11	-11	5	50	5	4	21	75
Above Normal Water Years (9%)	16	13	23	7	-19	-28	-18	38	-13	8	31	67
Below Normal Water Years (20%)	22	24	19	7	-20	-60	-32	39	10	14	36	20
Dry Water Years (21%)	39	38	16	11	-25	-57	-62	-38	-62	-36	-14	-15
Critical Water Years (18%)	13	12	12	6	-20	-28	-23	-11	-3	0	3	4

^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 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,397	1,595	1,783	1,830	1,974	2,039	2,039	1,937	1,828	1,528	1,366	1,387
20% Exceedance	990	1,198	1,414	1,583	1,860	2,036	1,854	1,811	1,403	1,106	924	859
30% Exceedance	725	999	1,262	1,440	1,657	1,864	1,732	1,481	1,069	848	669	674
40% Exceedance	635	837	1,090	1,306	1,477	1,613	1,432	1,169	895	730	587	570
50% Exceedance	512	703	980	1,178	1,359	1,485	1,267	1,040	806	635	521	512
60% Exceedance	454	577	842	1,083	1,269	1,385	1,209	973	695	568	443	416
70% Exceedance	349	516	707	962	1,211	1,310	1,107	847	569	502	380	358
80% Exceedance	305	444	624	863	1,146	1,199	1,021	745	518	442	330	303
90% Exceedance	221	311	484	626	854	988	851	665	402	386	259	227
Full Simulation Period Average ^a	648	827	1,032	1,215	1,412	1,526	1,387	1,189	928	778	633	613
Wet Water Years (32%)	698	933	1,185	1,446	1,701	1,824	1,789	1,643	1,365	1,159	1,027	998
Above Normal Water Years (9%)	676	903	1,196	1,408	1,636	1,749	1,582	1,349	978	778	683	566
Below Normal Water Years (20%)	763	961	1,117	1,259	1,436	1,547	1,272	956	634	566	509	533
Dry Water Years (21%)	630	780	962	1,092	1,209	1,328	1,121	869	649	556	315	302
Critical Water Years (18%)	441	507	664	805	998	1,089	1,013	932	780	594	417	404

Table 4C-2-2-4b. San Luis Storage (CVP and SWP), Alternative 3 083024, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,459	1,671	1,885	1,888	1,993	2,039	2,039	1,955	1,797	1,482	1,386	1,473
20% Exceedance	1,012	1,221	1,429	1,614	1,858	2,008	1,921	1,854	1,399	1,093	902	931
30% Exceedance	769	1,054	1,264	1,433	1,612	1,845	1,750	1,565	1,100	881	756	747
40% Exceedance	649	866	1,111	1,295	1,482	1,583	1,380	1,186	917	748	630	611
50% Exceedance	550	705	997	1,194	1,380	1,454	1,272	1,050	780	636	537	531
60% Exceedance	474	625	883	1,080	1,267	1,328	1,147	970	695	560	469	445
70% Exceedance	357	520	706	973	1,169	1,252	1,083	853	571	499	371	356
80% Exceedance	311	412	639	853	1,069	1,167	963	760	503	437	319	299
90% Exceedance	225	324	471	637	835	928	805	646	369	371	264	238
Full Simulation Period Average ^a	677	853	1,050	1,223	1,396	1,492	1,365	1,208	920	777	650	647
Wet Water Years (32%)	729	960	1,201	1,447	1,691	1,814	1,795	1,693	1,371	1,163	1,048	1,073
Above Normal Water Years (9%)	691	916	1,215	1,411	1,613	1,717	1,560	1,384	962	782	714	631
Below Normal Water Years (20%)	795	989	1,143	1,272	1,420	1,491	1,243	999	649	586	551	558
Dry Water Years (21%)	669	819	979	1,105	1,186	1,273	1,061	835	592	523	305	292
Critical Water Years (18%)	454	517	679	815	983	1,066	996	926	782	597	423	410

Table 4C-2-2-4c. San Luis Storage (CVP and SWP), Alternative 3 083024 minus Baseline Conditions 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	62	76	102	58	19	0	0	18	-31	-45	19	86
20% Exceedance	22	23	15	31	-2	-29	68	43	-3	-13	-22	72
30% Exceedance	45	55	3	-7	-45	-19	17	84	31	34	87	73
40% Exceedance	14	29	21	-11	5	-30	-52	17	22	17	43	41
50% Exceedance	38	2	17	17	21	-31	5	9	-26	1	16	20
60% Exceedance	20	48	41	-4	-2	-57	-62	-2	0	-8	26	29
70% Exceedance	8	4	-1	11	-42	-58	-24	6	3	-3	-9	-2
80% Exceedance	7	-33	15	-10	-77	-32	-58	15	-15	-5	-11	-3
90% Exceedance	4	13	-14	11	-19	-60	-46	-19	-33	-15	5	11
Full Simulation Period Average ^a	28	25	18	8	-16	-33	-22	20	-8	-1	17	34
Wet Water Years (32%)	31	27	16	1	-10	-10	6	51	6	4	21	76
Above Normal Water Years (9%)	16	13	19	3	-23	-32	-21	34	-16	5	31	65
Below Normal Water Years (20%)	32	28	25	13	-16	-56	-29	43	15	20	41	25
Dry Water Years (21%)	39	39	17	13	-23	-55	-60	-34	-57	-33	-10	-10
Critical Water Years (18%)	14	10	15	11	-15	-23	-18	-5	2	3	6	6

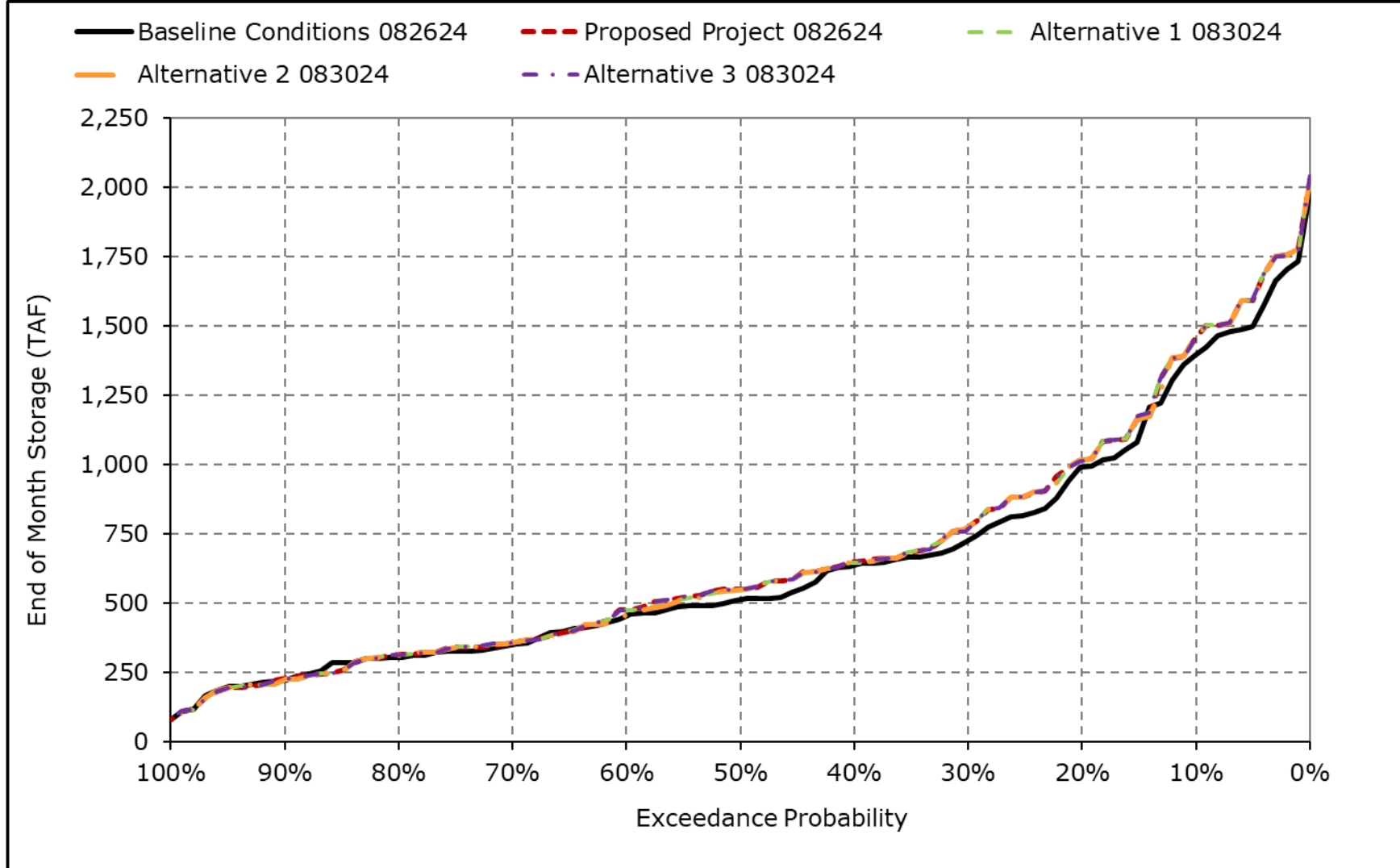
^a Based on the 100-year simulation period.

* 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).

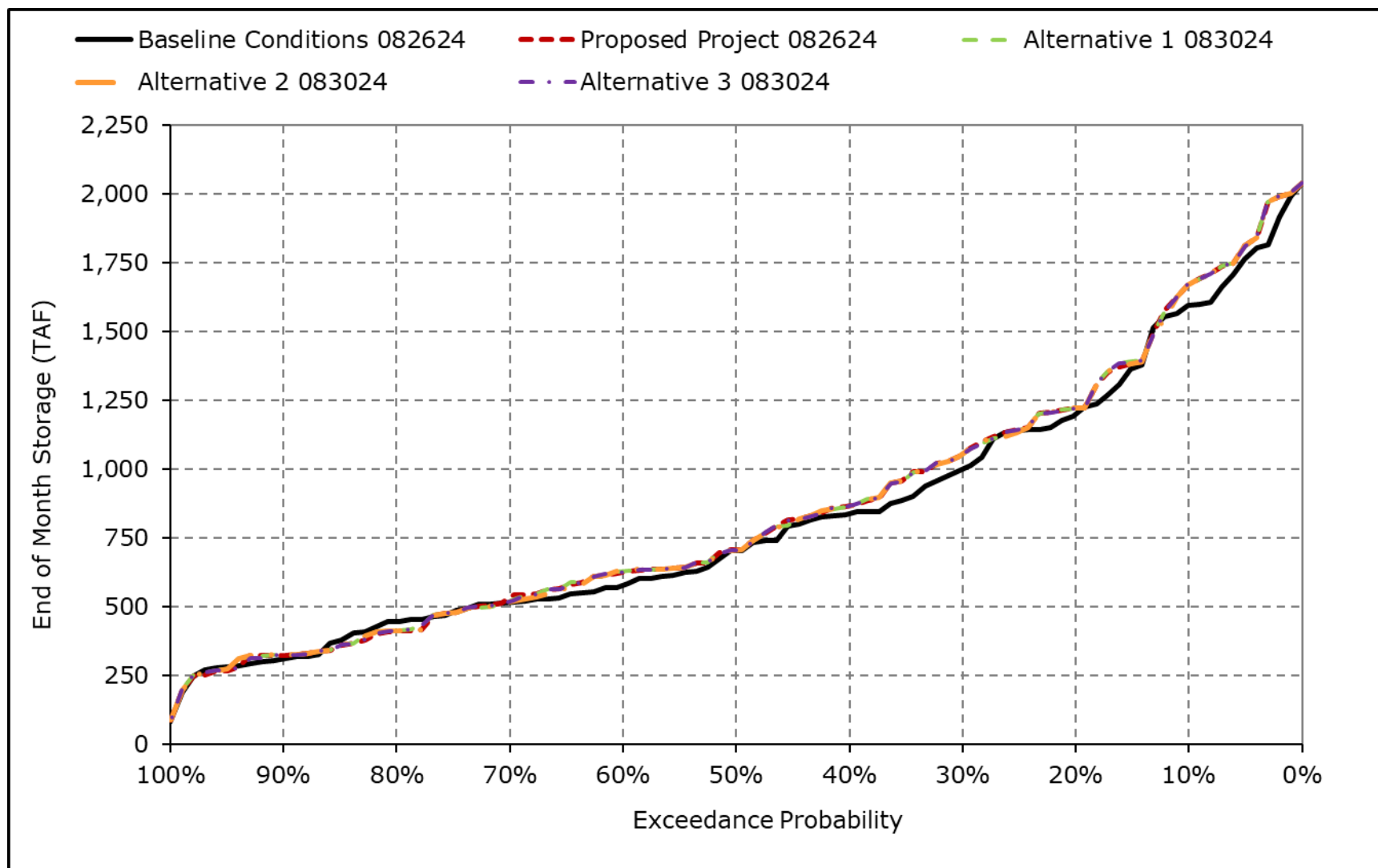
* Water Year Types results are displayed with water year - year type sorting.

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



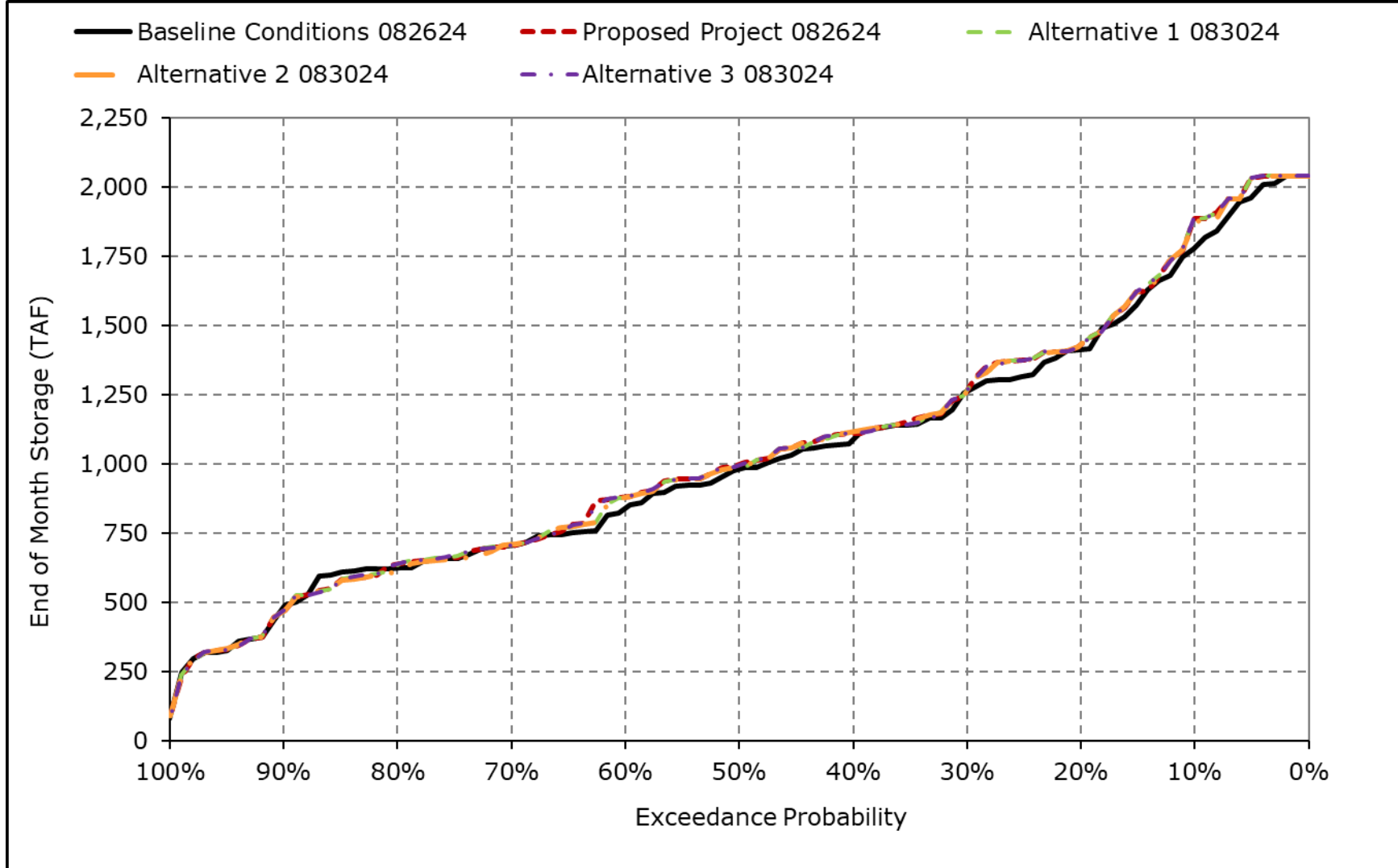
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



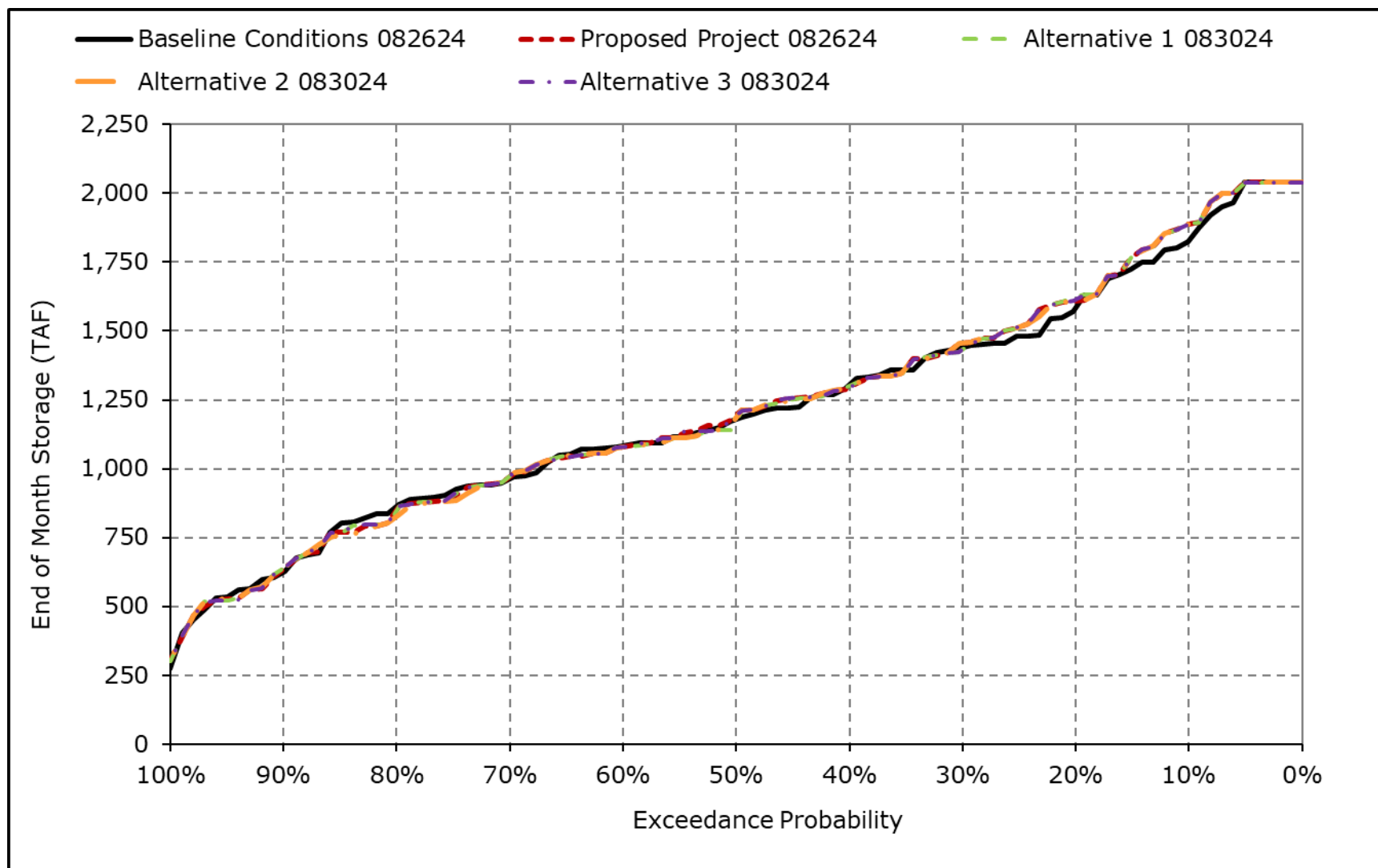
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



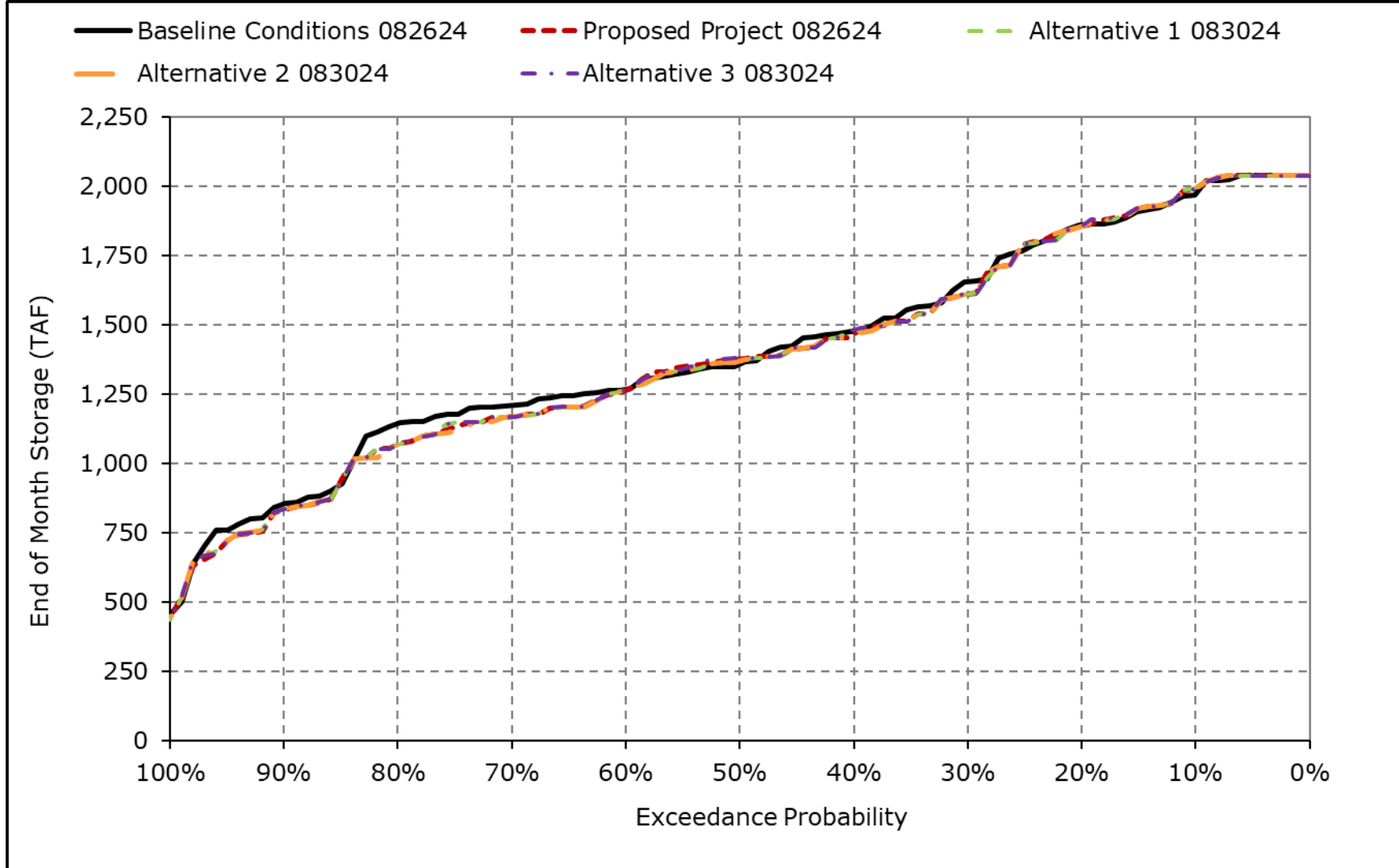
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



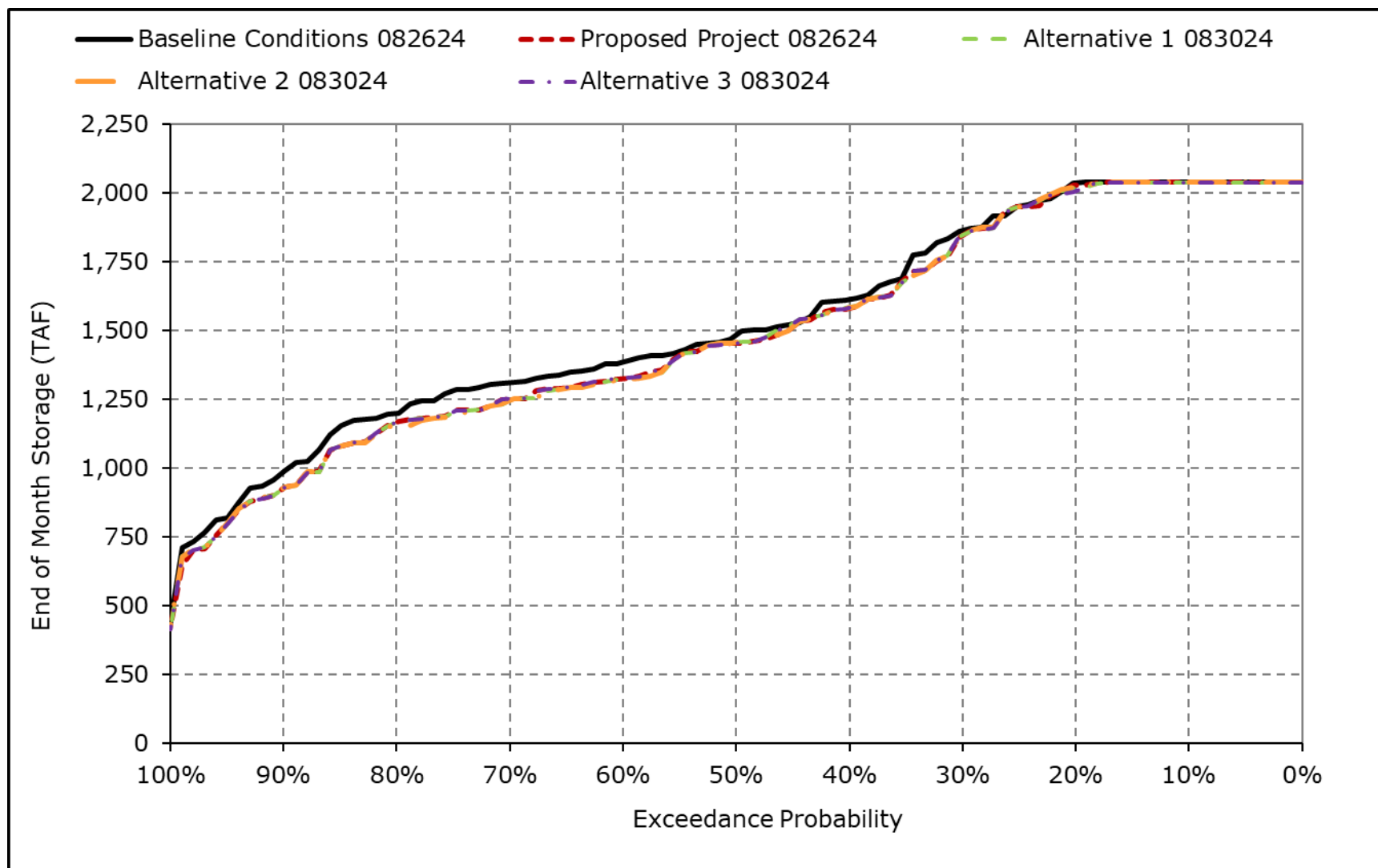
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



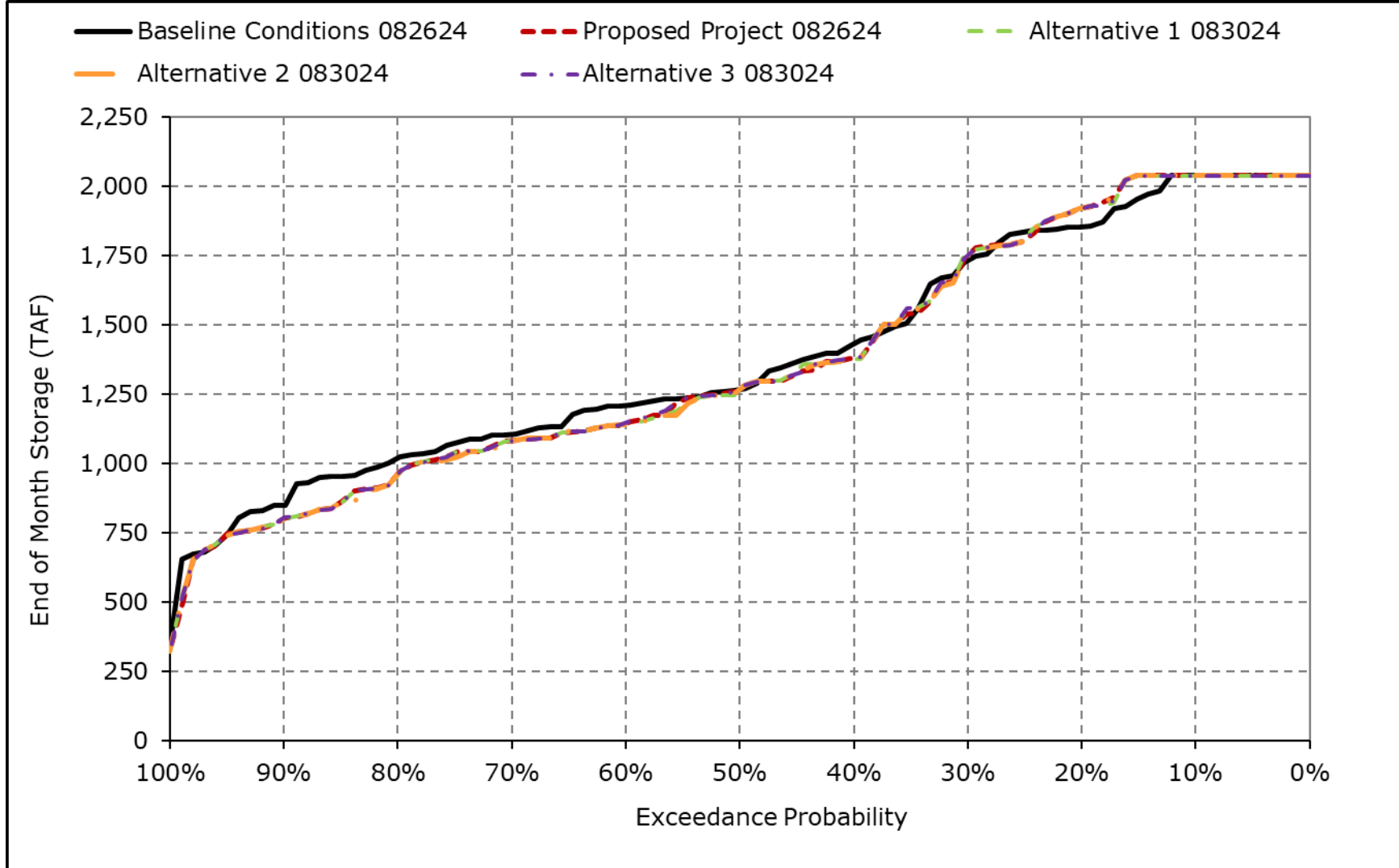
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



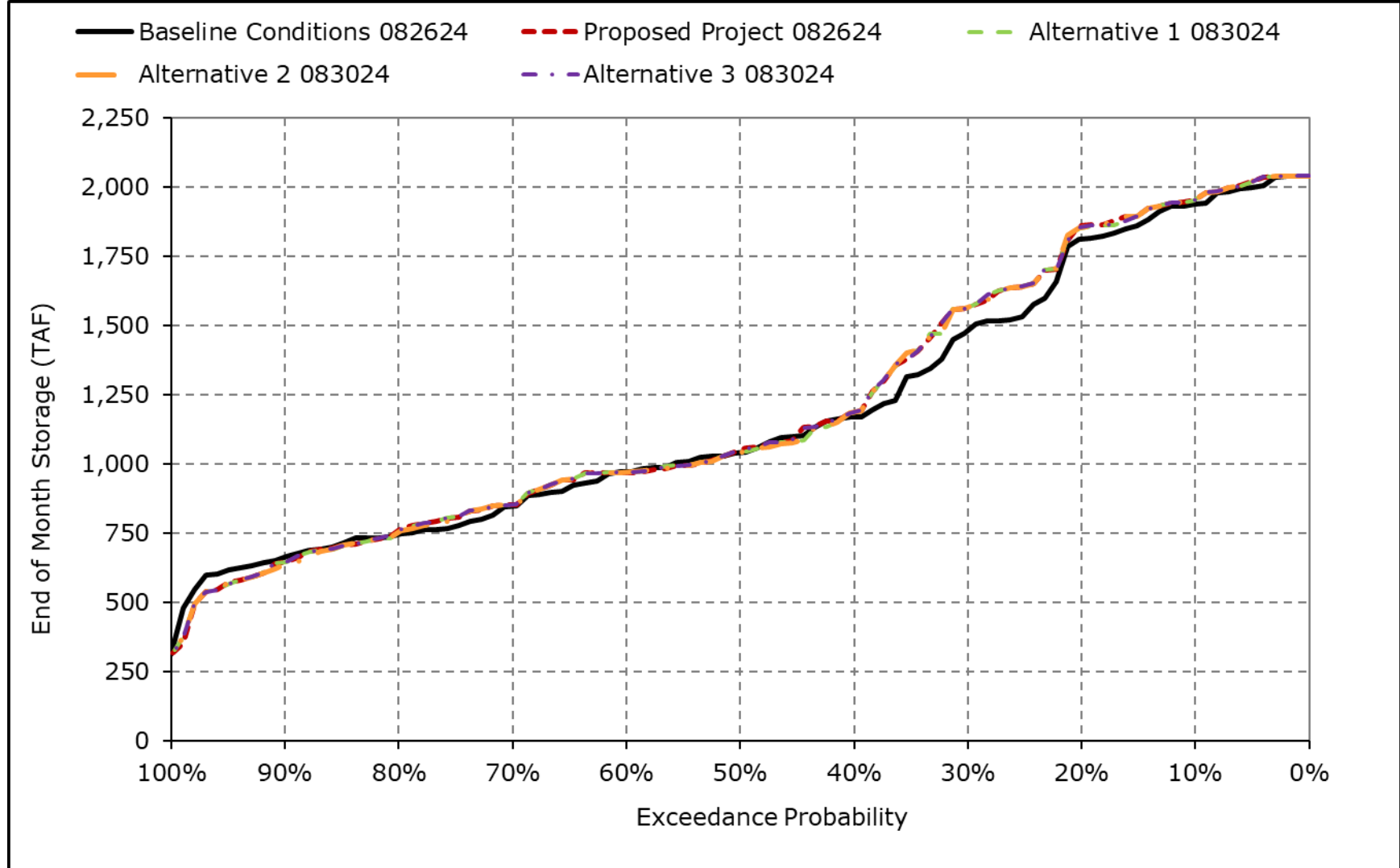
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



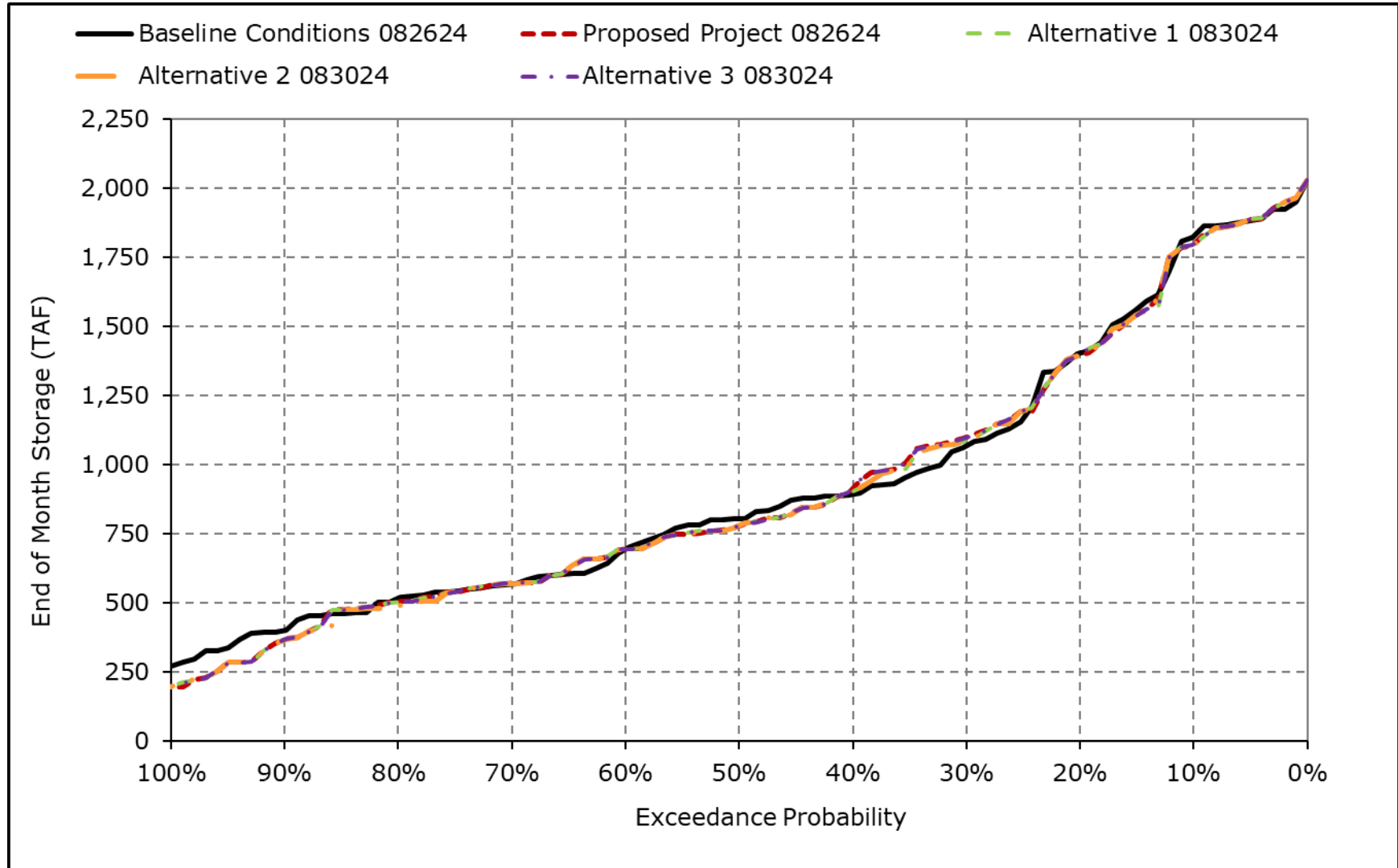
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



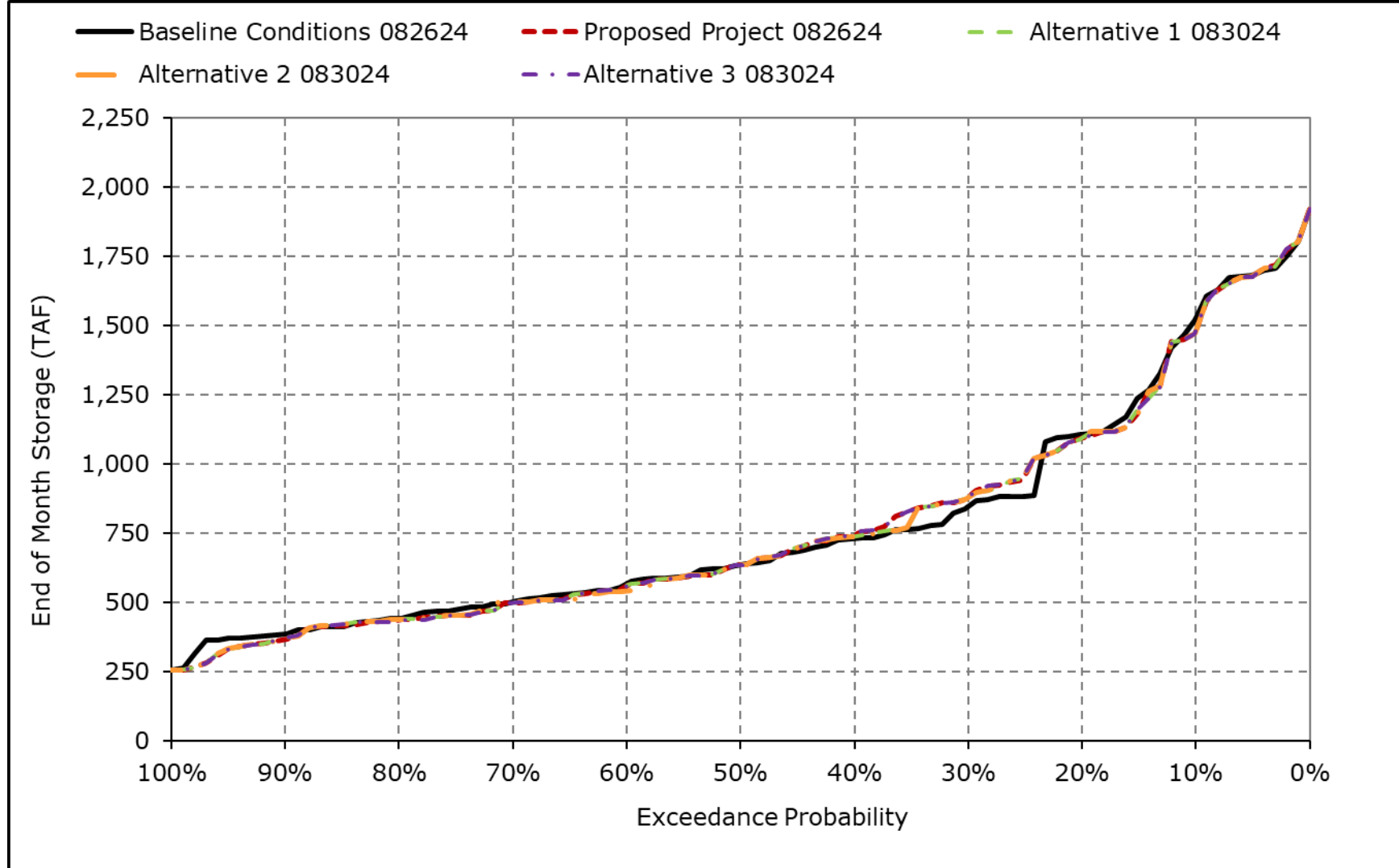
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



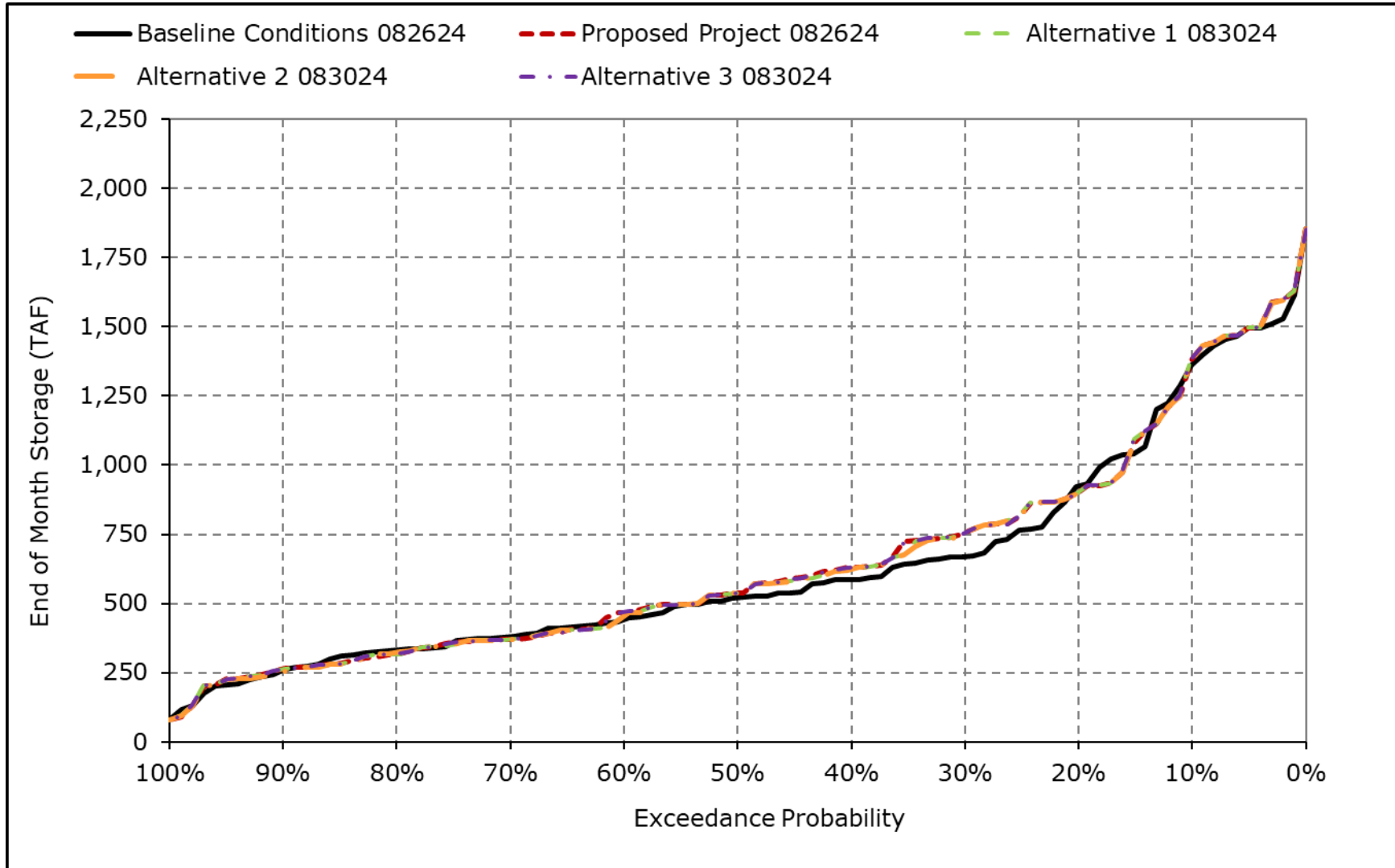
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



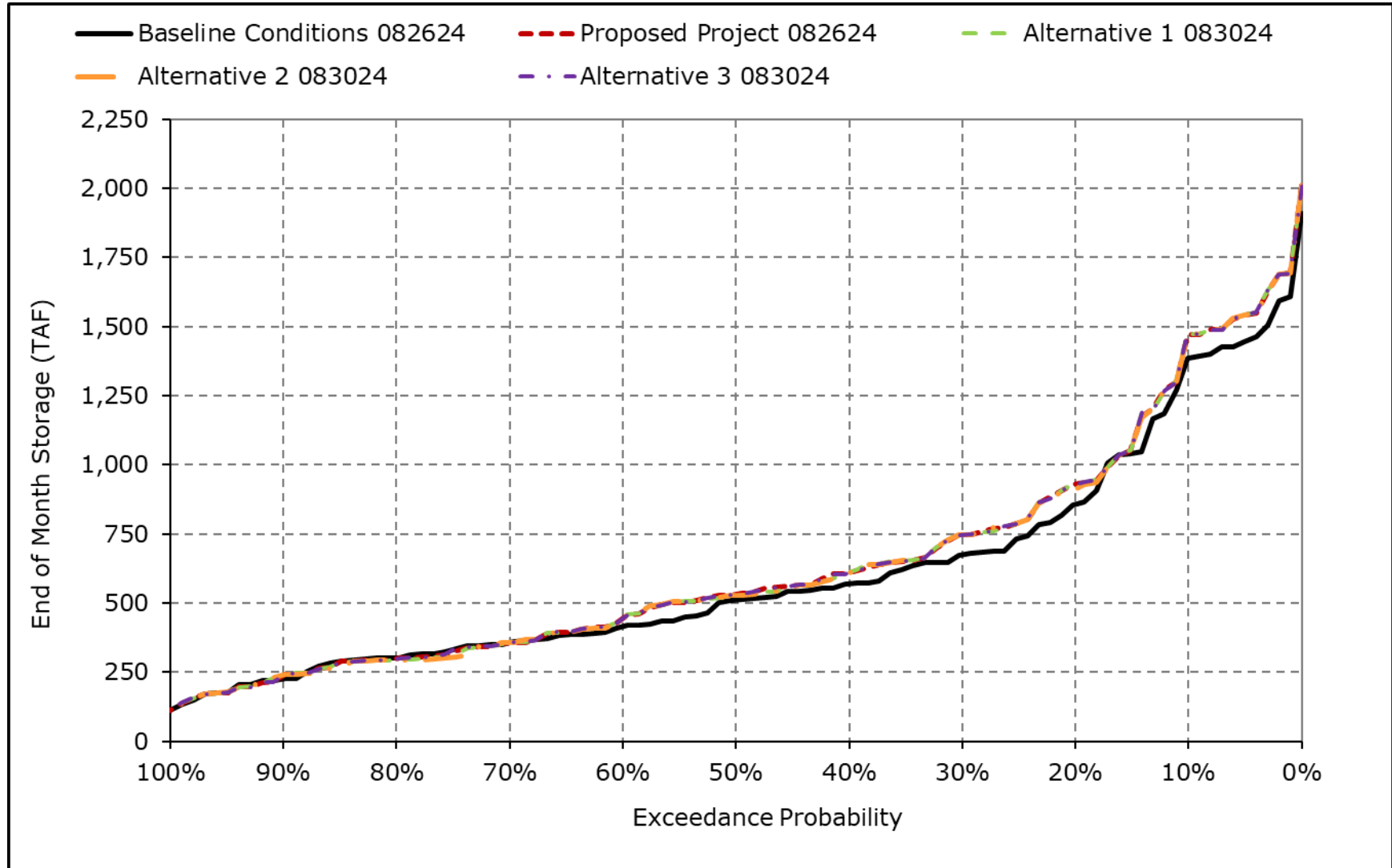
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 082624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	490	507	523	527	539	544	544	536	527	502	487	489
20% Exceedance	452	471	492	506	530	544	529	525	491	463	445	438
30% Exceedance	424	453	477	494	513	530	519	497	459	437	417	418
40% Exceedance	413	436	461	482	497	509	493	469	442	424	407	405
50% Exceedance	399	421	451	470	487	498	478	457	432	413	400	398
60% Exceedance	390	406	436	461	478	489	472	450	420	405	389	385
70% Exceedance	376	399	422	449	473	482	463	437	405	397	380	377
80% Exceedance	370	389	412	438	467	472	455	426	399	389	373	370
90% Exceedance	354	371	395	412	438	452	437	417	383	381	361	355
Full Simulation Period Average ^a	409	430	452	471	490	500	487	468	441	426	408	405
Wet Water Years (32%)	412	440	466	492	515	526	523	510	484	465	452	449
Above Normal Water Years (9%)	414	438	469	490	510	520	505	484	447	427	418	403
Below Normal Water Years (20%)	423	445	461	476	493	502	478	446	409	403	395	398
Dry Water Years (21%)	409	426	446	460	472	483	464	438	414	403	369	368
Critical Water Years (18%)	386	395	414	430	451	460	452	444	428	407	384	382

Table 4C-2-3-1b. San Luis Reservoir (SWP and CVP), Proposed Project 082624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	496	514	532	532	540	544	544	537	524	498	489	497
20% Exceedance	454	474	493	508	529	543	535	529	490	462	443	446
30% Exceedance	429	458	478	495	509	528	520	505	462	440	427	426
40% Exceedance	415	439	463	481	496	506	489	470	444	426	413	410
50% Exceedance	403	421	452	471	488	495	478	457	430	413	402	401
60% Exceedance	393	412	440	460	478	483	467	450	420	404	392	389
70% Exceedance	377	401	421	450	469	476	461	437	406	397	379	377
80% Exceedance	371	385	414	437	459	468	449	428	398	388	371	369
90% Exceedance	355	372	393	413	435	445	432	414	379	378	362	357
Full Simulation Period Average ^a	412	432	453	471	488	497	485	469	440	425	410	409
Wet Water Years (32%)	415	442	468	492	514	525	523	514	484	465	455	457
Above Normal Water Years (9%)	416	440	472	491	508	517	503	487	446	428	421	412
Below Normal Water Years (20%)	426	448	463	477	491	497	475	451	411	405	400	401
Dry Water Years (21%)	413	429	447	461	469	478	457	434	406	399	368	366
Critical Water Years (18%)	387	396	415	431	449	457	450	443	428	407	384	382

Table 4C-2-3-1c. San Luis Reservoir (SWP and CVP), Proposed Project 082624 minus Baseline Conditions 082624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	7	8	5	1	0	0	1	-2	-4	2	8
20% Exceedance	3	2	1	2	0	-1	5	4	-1	-1	-2	8
30% Exceedance	6	5	0	1	-4	-1	1	7	3	4	10	9
40% Exceedance	2	3	2	-1	-1	-3	-5	2	2	2	5	5
50% Exceedance	5	0	2	1	2	-3	0	1	-3	0	2	2
60% Exceedance	3	6	4	0	0	-6	-6	0	0	-1	3	4
70% Exceedance	1	2	0	1	-4	-6	-2	1	1	0	-1	0
80% Exceedance	1	-5	2	-1	-7	-3	-6	2	-2	-1	-2	-1
90% Exceedance	1	2	-2	1	-2	-6	-5	-2	-5	-3	1	2
Full Simulation Period Average ^a	3	2	2	1	-2	-3	-2	2	-1	0	2	4
Wet Water Years (32%)	3	2	1	0	-1	-1	0	4	0	0	2	8
Above Normal Water Years (9%)	2	2	2	1	-2	-3	-2	3	-2	1	4	9
Below Normal Water Years (20%)	3	3	2	1	-2	-5	-3	4	1	2	5	3
Dry Water Years (21%)	4	3	1	1	-3	-6	-6	-4	-8	-4	-1	-2
Critical Water Years (18%)	1	1	2	1	-2	-2	-2	-1	0	0	0	0

^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 082624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	490	507	523	527	539	544	544	536	527	502	487	489
20% Exceedance	452	471	492	506	530	544	529	525	491	463	445	438
30% Exceedance	424	453	477	494	513	530	519	497	459	437	417	418
40% Exceedance	413	436	461	482	497	509	493	469	442	424	407	405
50% Exceedance	399	421	451	470	487	498	478	457	432	413	400	398
60% Exceedance	390	406	436	461	478	489	472	450	420	405	389	385
70% Exceedance	376	399	422	449	473	482	463	437	405	397	380	377
80% Exceedance	370	389	412	438	467	472	455	426	399	389	373	370
90% Exceedance	354	371	395	412	438	452	437	417	383	381	361	355
Full Simulation Period Average ^a	409	430	452	471	490	500	487	468	441	426	408	405
Wet Water Years (32%)	412	440	466	492	515	526	523	510	484	465	452	449
Above Normal Water Years (9%)	414	438	469	490	510	520	505	484	447	427	418	403
Below Normal Water Years (20%)	423	445	461	476	493	502	478	446	409	403	395	398
Dry Water Years (21%)	409	426	446	460	472	483	464	438	414	403	369	368
Critical Water Years (18%)	386	395	414	430	451	460	452	444	428	407	384	382

Table 4C-2-3-2b. San Luis Reservoir (SWP and CVP), Alternative 1 083024, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	496	514	532	532	540	544	544	537	524	498	489	497
20% Exceedance	454	474	493	510	529	542	535	529	490	462	443	446
30% Exceedance	429	458	478	493	509	528	521	505	461	440	427	426
40% Exceedance	414	439	464	481	497	506	488	470	443	425	412	410
50% Exceedance	403	421	452	469	488	495	478	457	430	413	402	401
60% Exceedance	393	412	440	460	478	483	466	450	420	404	391	389
70% Exceedance	377	400	422	450	469	476	461	437	406	397	379	377
80% Exceedance	371	385	413	437	459	469	449	428	397	388	372	368
90% Exceedance	354	373	393	413	436	445	432	414	379	379	362	357
Full Simulation Period Average ^a	412	432	453	471	488	497	485	469	439	425	410	409
Wet Water Years (32%)	415	442	468	492	514	525	523	514	484	465	455	457
Above Normal Water Years (9%)	416	440	471	491	508	517	503	487	446	428	421	412
Below Normal Water Years (20%)	426	447	463	477	491	497	475	451	411	405	400	400
Dry Water Years (21%)	413	430	447	461	470	478	458	434	406	399	368	366
Critical Water Years (18%)	387	397	415	431	448	457	450	443	428	407	384	382

Table 4C-2-3-2c. San Luis Reservoir (SWP and CVP), Alternative 1 083024 minus Baseline Conditions 082624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	7	8	5	2	0	0	1	-3	-4	2	8
20% Exceedance	2	2	1	4	0	-1	5	3	0	-1	-2	8
30% Exceedance	5	5	0	-1	-4	-2	2	7	2	3	10	9
40% Exceedance	1	3	2	-1	0	-2	-5	2	1	1	4	5
50% Exceedance	4	0	1	0	2	-2	0	0	-3	0	2	2
60% Exceedance	3	6	4	0	0	-6	-7	0	0	-1	2	4
70% Exceedance	1	1	0	1	-4	-6	-2	1	0	0	-1	0
80% Exceedance	1	-5	1	-1	-7	-3	-6	2	-2	0	-2	-1
90% Exceedance	0	2	-2	1	-2	-6	-5	-2	-4	-2	1	3
Full Simulation Period Average ^a	3	2	2	1	-2	-3	-2	2	-2	0	2	3
Wet Water Years (32%)	3	2	1	0	-1	-1	0	4	0	0	2	8
Above Normal Water Years (9%)	2	2	2	0	-2	-3	-2	3	-2	1	4	9
Below Normal Water Years (20%)	3	3	2	1	-1	-5	-3	4	1	2	5	3
Dry Water Years (21%)	4	4	2	1	-2	-5	-6	-4	-8	-4	-1	-2
Critical Water Years (18%)	1	1	1	1	-2	-3	-2	-1	0	0	0	0

^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 082624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	490	507	523	527	539	544	544	536	527	502	487	489
20% Exceedance	452	471	492	506	530	544	529	525	491	463	445	438
30% Exceedance	424	453	477	494	513	530	519	497	459	437	417	418
40% Exceedance	413	436	461	482	497	509	493	469	442	424	407	405
50% Exceedance	399	421	451	470	487	498	478	457	432	413	400	398
60% Exceedance	390	406	436	461	478	489	472	450	420	405	389	385
70% Exceedance	376	399	422	449	473	482	463	437	405	397	380	377
80% Exceedance	370	389	412	438	467	472	455	426	399	389	373	370
90% Exceedance	354	371	395	412	438	452	437	417	383	381	361	355
Full Simulation Period Average ^a	409	430	452	471	490	500	487	468	441	426	408	405
Wet Water Years (32%)	412	440	466	492	515	526	523	510	484	465	452	449
Above Normal Water Years (9%)	414	438	469	490	510	520	505	484	447	427	418	403
Below Normal Water Years (20%)	423	445	461	476	493	502	478	446	409	403	395	398
Dry Water Years (21%)	409	426	446	460	472	483	464	438	414	403	369	368
Critical Water Years (18%)	386	395	414	430	451	460	452	444	428	407	384	382

Table 4C-2-3-3b. San Luis Reservoir (SWP and CVP), Alternative 2 083024, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	496	514	531	532	540	544	544	537	524	498	489	497
20% Exceedance	454	474	493	508	529	542	535	529	490	462	443	444
30% Exceedance	429	458	478	495	509	528	520	505	461	440	426	426
40% Exceedance	414	439	464	481	496	506	489	470	443	425	412	410
50% Exceedance	403	421	452	470	488	495	478	457	430	413	402	401
60% Exceedance	391	413	440	460	478	483	466	450	420	402	390	389
70% Exceedance	377	399	422	450	469	476	461	437	406	397	379	377
80% Exceedance	371	385	410	435	459	467	449	427	396	388	372	368
90% Exceedance	354	373	393	413	436	445	432	414	379	379	360	358
Full Simulation Period Average ^a	412	432	453	471	488	496	485	469	439	425	410	409
Wet Water Years (32%)	415	442	467	492	514	525	523	514	484	465	455	457
Above Normal Water Years (9%)	416	440	472	491	509	517	503	487	446	428	421	412
Below Normal Water Years (20%)	425	447	462	476	491	497	475	450	410	404	400	400
Dry Water Years (21%)	413	430	447	461	469	478	457	434	405	399	367	365
Critical Water Years (18%)	387	397	415	431	449	457	450	443	428	407	384	382

Table 4C-2-3-3c. San Luis Reservoir (SWP and CVP), Alternative 2 083024 minus Baseline Conditions 082624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	7	7	5	2	0	0	1	-3	-4	2	8
20% Exceedance	3	2	1	2	0	-1	5	3	-1	-1	-2	6
30% Exceedance	6	5	0	1	-4	-1	1	7	2	3	9	9
40% Exceedance	1	3	3	-1	-1	-2	-5	2	1	1	4	5
50% Exceedance	4	0	1	1	1	-2	0	0	-3	0	2	2
60% Exceedance	1	6	4	0	0	-6	-7	0	0	-3	2	4
70% Exceedance	1	0	0	1	-4	-6	-2	1	0	0	-1	0
80% Exceedance	1	-5	-2	-4	-7	-4	-6	1	-4	-1	-1	-1
90% Exceedance	0	2	-2	1	-2	-6	-5	-3	-5	-2	-1	3
Full Simulation Period Average ^a	3	2	1	0	-2	-3	-2	1	-2	0	2	3
Wet Water Years (32%)	3	2	1	0	-1	-1	0	4	0	0	2	8
Above Normal Water Years (9%)	2	2	2	1	-2	-3	-2	3	-2	1	4	9
Below Normal Water Years (20%)	2	2	1	0	-2	-5	-3	4	1	2	5	2
Dry Water Years (21%)	4	4	1	1	-2	-6	-6	-4	-9	-5	-2	-3
Critical Water Years (18%)	1	1	1	1	-2	-3	-2	-1	0	0	0	0

^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 082624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	490	507	523	527	539	544	544	536	527	502	487	489
20% Exceedance	452	471	492	506	530	544	529	525	491	463	445	438
30% Exceedance	424	453	477	494	513	530	519	497	459	437	417	418
40% Exceedance	413	436	461	482	497	509	493	469	442	424	407	405
50% Exceedance	399	421	451	470	487	498	478	457	432	413	400	398
60% Exceedance	390	406	436	461	478	489	472	450	420	405	389	385
70% Exceedance	376	399	422	449	473	482	463	437	405	397	380	377
80% Exceedance	370	389	412	438	467	472	455	426	399	389	373	370
90% Exceedance	354	371	395	412	438	452	437	417	383	381	361	355
Full Simulation Period Average ^a	409	430	452	471	490	500	487	468	441	426	408	405
Wet Water Years (32%)	412	440	466	492	515	526	523	510	484	465	452	449
Above Normal Water Years (9%)	414	438	469	490	510	520	505	484	447	427	418	403
Below Normal Water Years (20%)	423	445	461	476	493	502	478	446	409	403	395	398
Dry Water Years (21%)	409	426	446	460	472	483	464	438	414	403	369	368
Critical Water Years (18%)	386	395	414	430	451	460	452	444	428	407	384	382

Table 4C-2-3-4b. San Luis Reservoir (SWP and CVP), Alternative 3 083024, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	496	514	532	532	540	544	544	537	524	498	489	497
20% Exceedance	454	474	493	509	529	541	535	529	490	462	443	446
30% Exceedance	429	458	478	493	509	528	520	505	462	440	427	426
40% Exceedance	415	439	463	481	498	506	489	470	444	426	413	410
50% Exceedance	403	421	452	471	489	495	478	457	430	413	402	401
60% Exceedance	393	412	441	460	478	484	467	450	420	404	393	389
70% Exceedance	377	400	421	450	469	477	461	437	406	397	379	377
80% Exceedance	371	385	414	437	459	468	449	428	397	388	372	369
90% Exceedance	355	373	393	413	435	445	432	414	379	379	362	357
Full Simulation Period Average ^a	412	432	453	471	488	497	485	469	440	425	410	409
Wet Water Years (32%)	415	442	468	492	514	525	523	514	484	465	455	457
Above Normal Water Years (9%)	416	440	471	490	508	517	503	487	445	428	421	412
Below Normal Water Years (20%)	426	447	463	477	491	497	475	451	411	405	400	401
Dry Water Years (21%)	413	430	447	461	470	478	458	434	406	399	368	366
Critical Water Years (18%)	387	396	415	431	449	457	450	443	428	407	384	382

Table 4C-2-3-4c. San Luis Reservoir (SWP and CVP), Alternative 3 083024 minus Baseline Conditions 082624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	5	7	8	5	1	0	0	1	-3	-4	2	8
20% Exceedance	2	2	1	3	0	-2	5	4	0	-1	-2	8
30% Exceedance	5	5	0	-1	-4	-2	1	7	3	4	10	9
40% Exceedance	2	3	2	-1	0	-3	-5	2	2	2	5	5
50% Exceedance	5	0	2	2	2	-3	0	1	-3	0	2	2
60% Exceedance	3	6	4	0	0	-5	-6	0	0	-1	4	4
70% Exceedance	1	0	0	1	-4	-5	-2	1	0	0	-1	0
80% Exceedance	1	-5	2	-1	-7	-3	-6	2	-2	-1	-2	-1
90% Exceedance	1	2	-2	1	-2	-6	-5	-2	-5	-2	1	2
Full Simulation Period Average ^a	3	2	2	1	-2	-3	-2	2	-1	0	2	4
Wet Water Years (32%)	3	2	1	0	-1	-1	0	4	0	0	2	8
Above Normal Water Years (9%)	2	1	2	0	-2	-3	-2	3	-2	1	4	9
Below Normal Water Years (20%)	3	3	2	1	-1	-5	-3	4	1	2	5	3
Dry Water Years (21%)	4	4	1	1	-2	-5	-6	-4	-8	-4	-1	-2
Critical Water Years (18%)	1	1	1	1	-2	-2	-2	-1	0	0	1	1

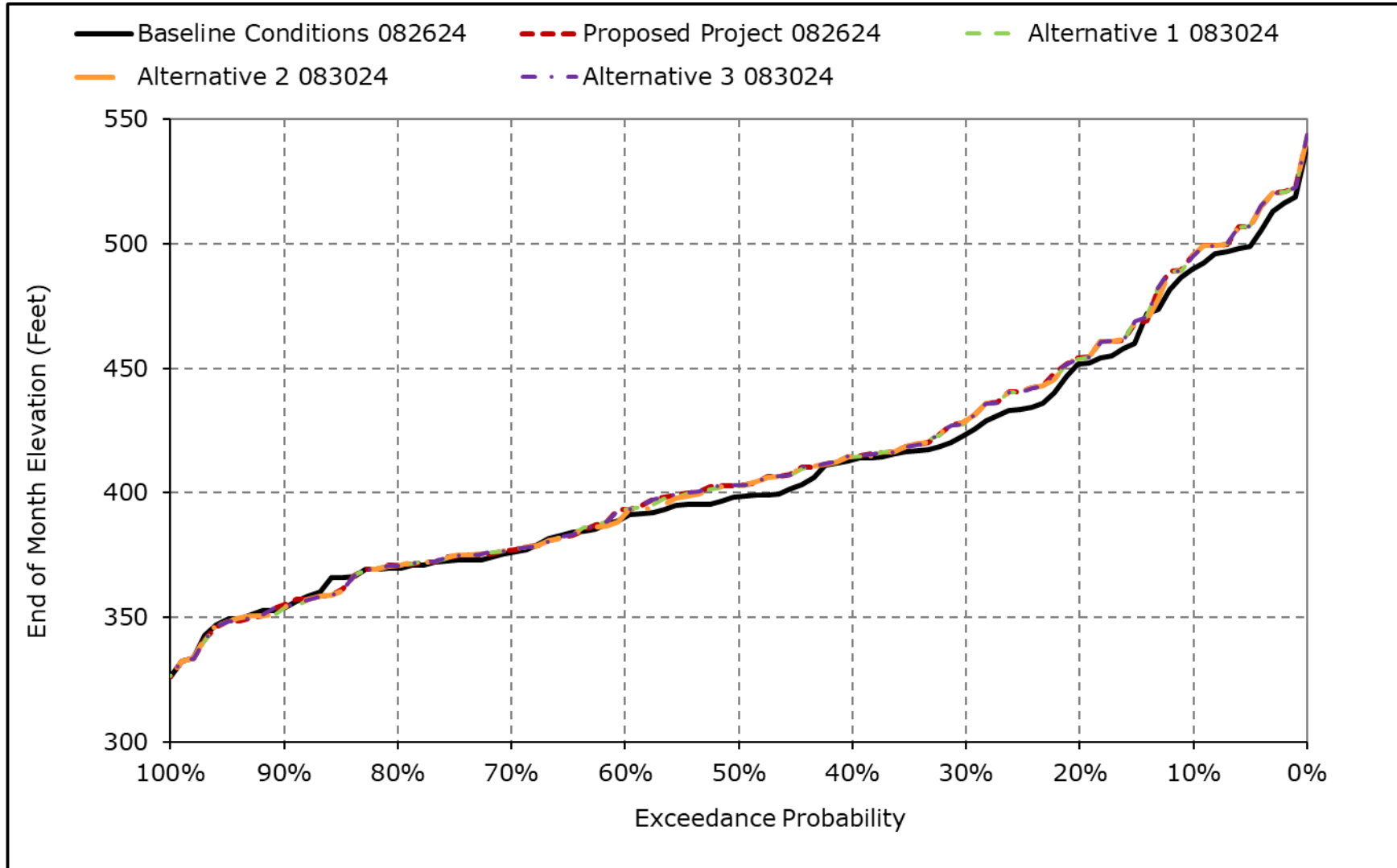
^a Based on the 100-year simulation period.

* 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).

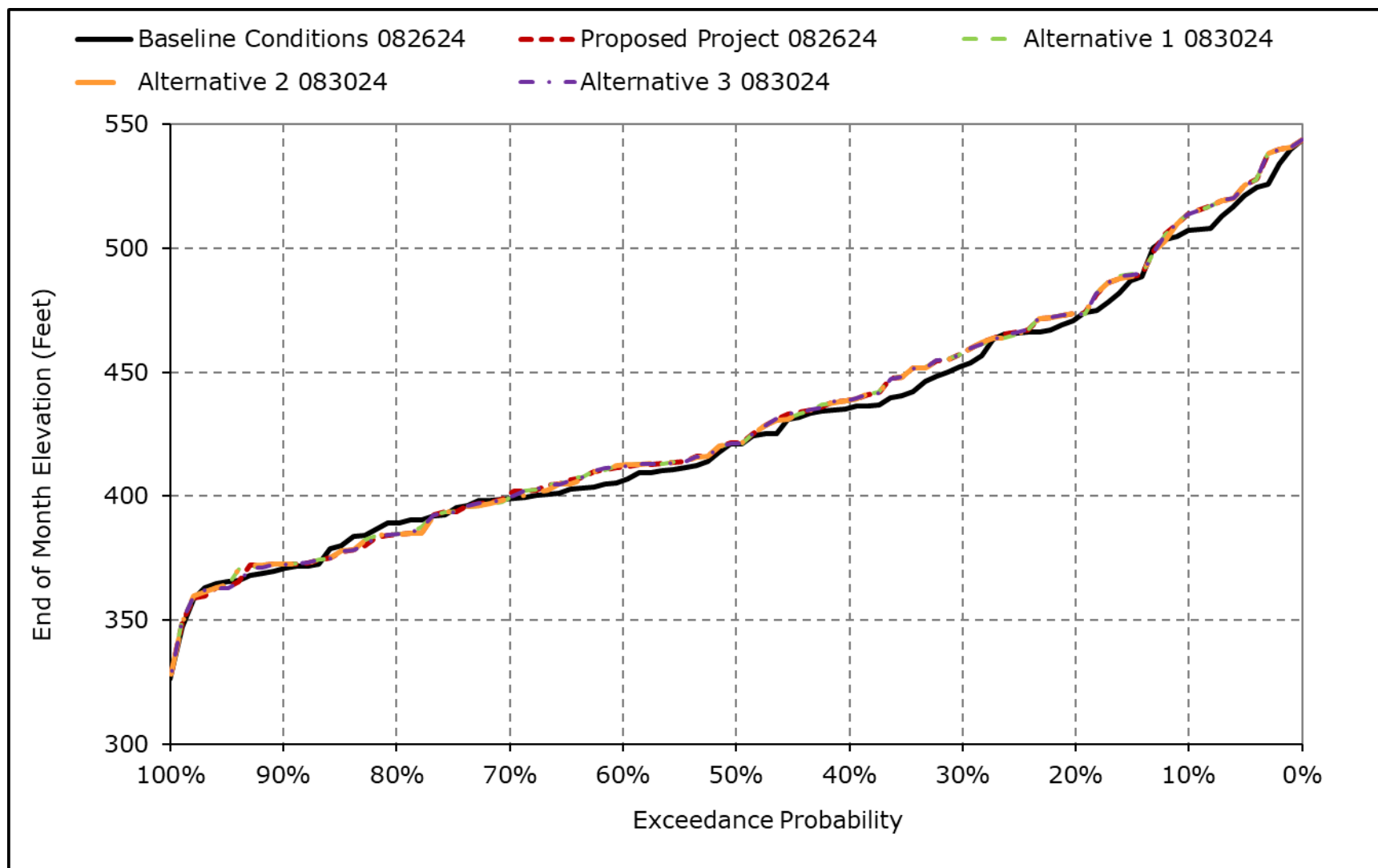
* Water Year Types results are displayed with water year - year type sorting.

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



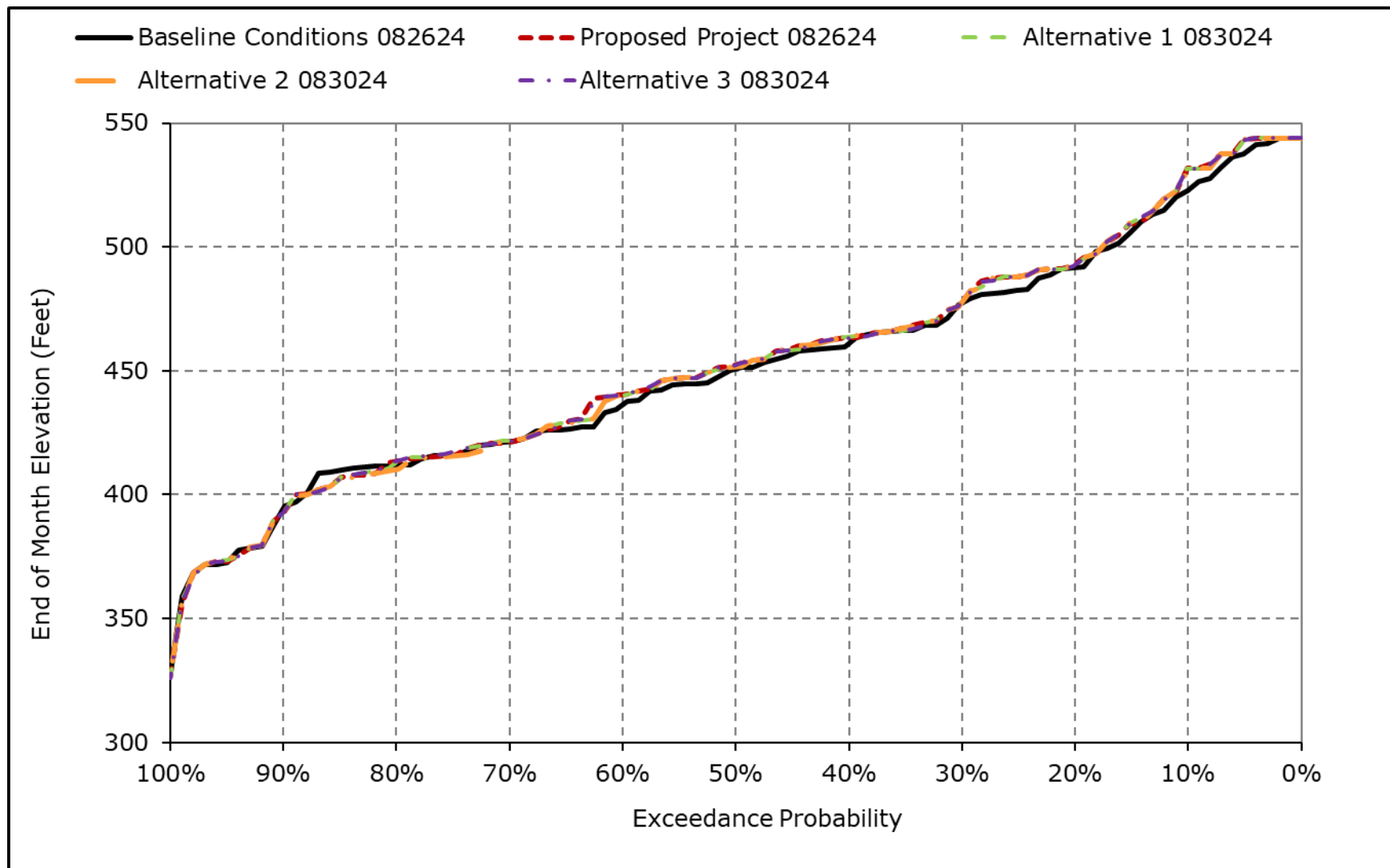
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



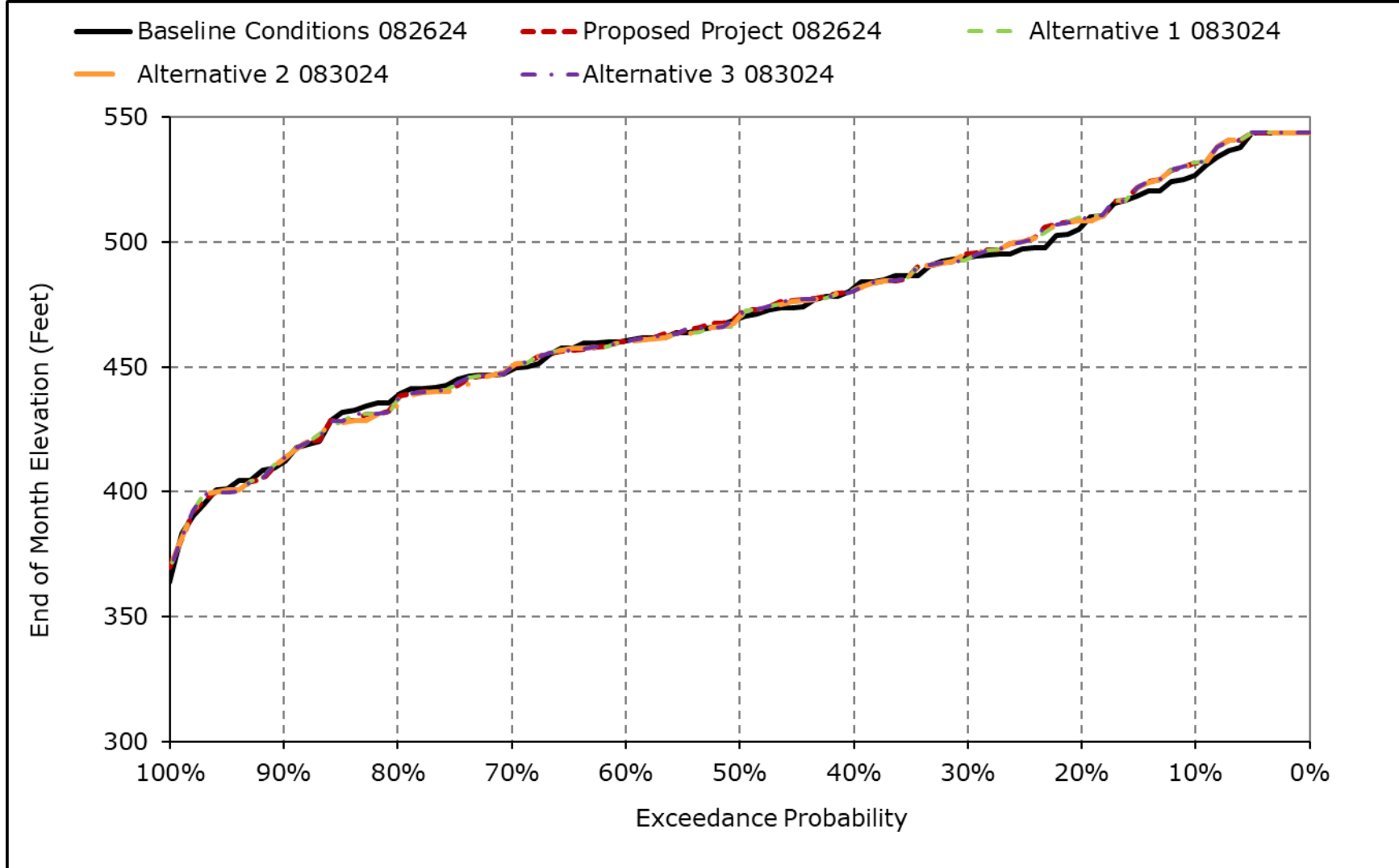
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



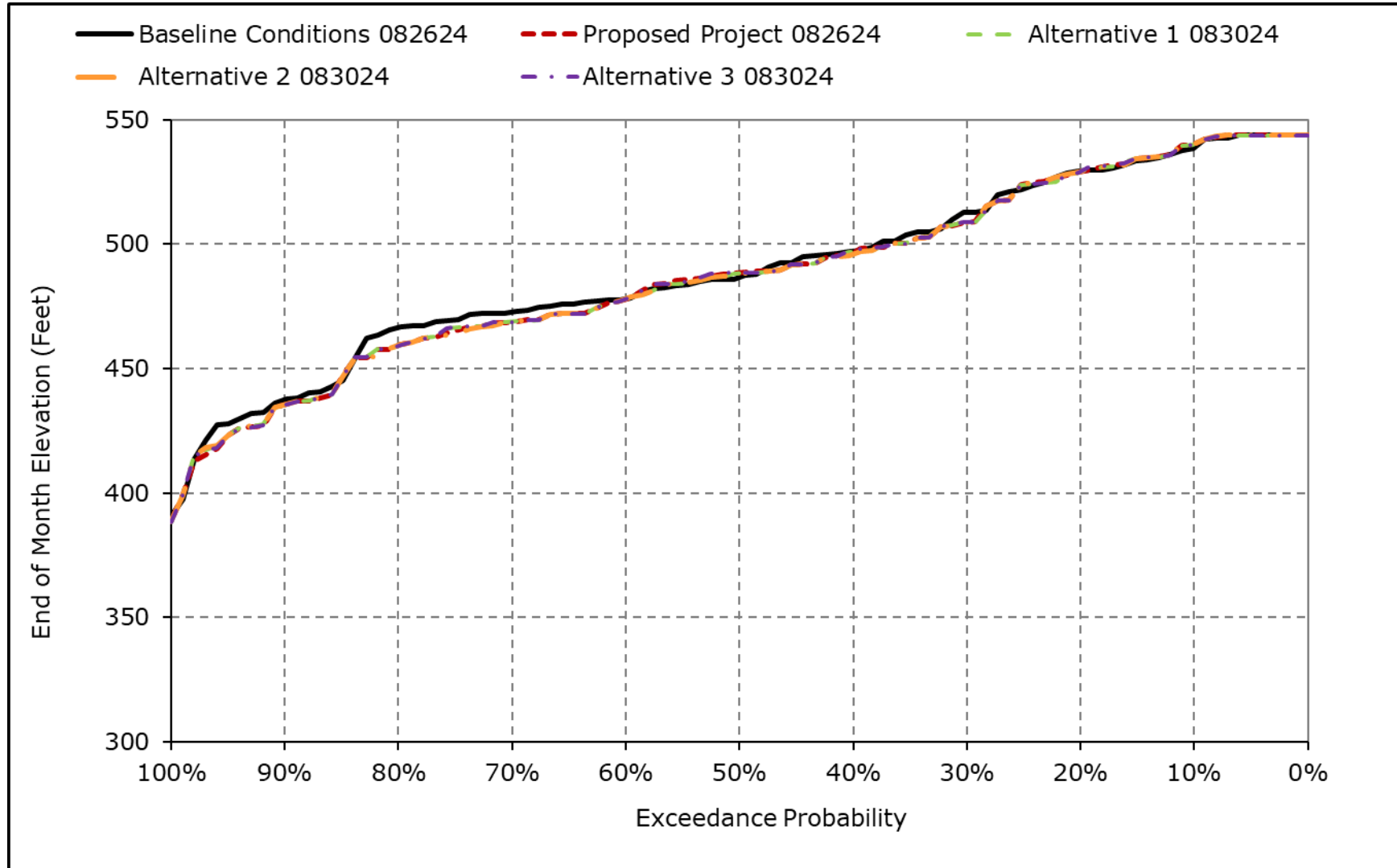
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



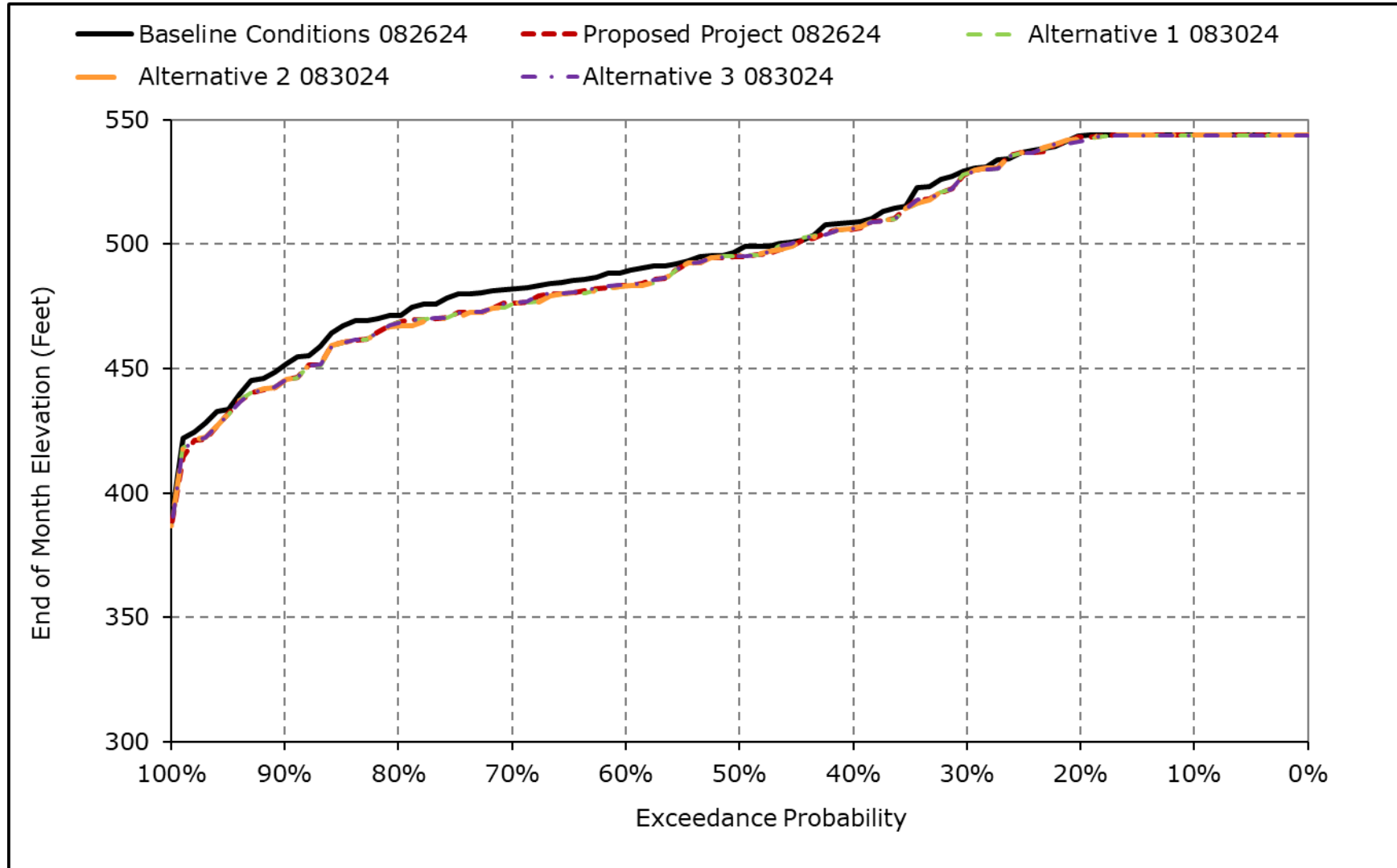
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



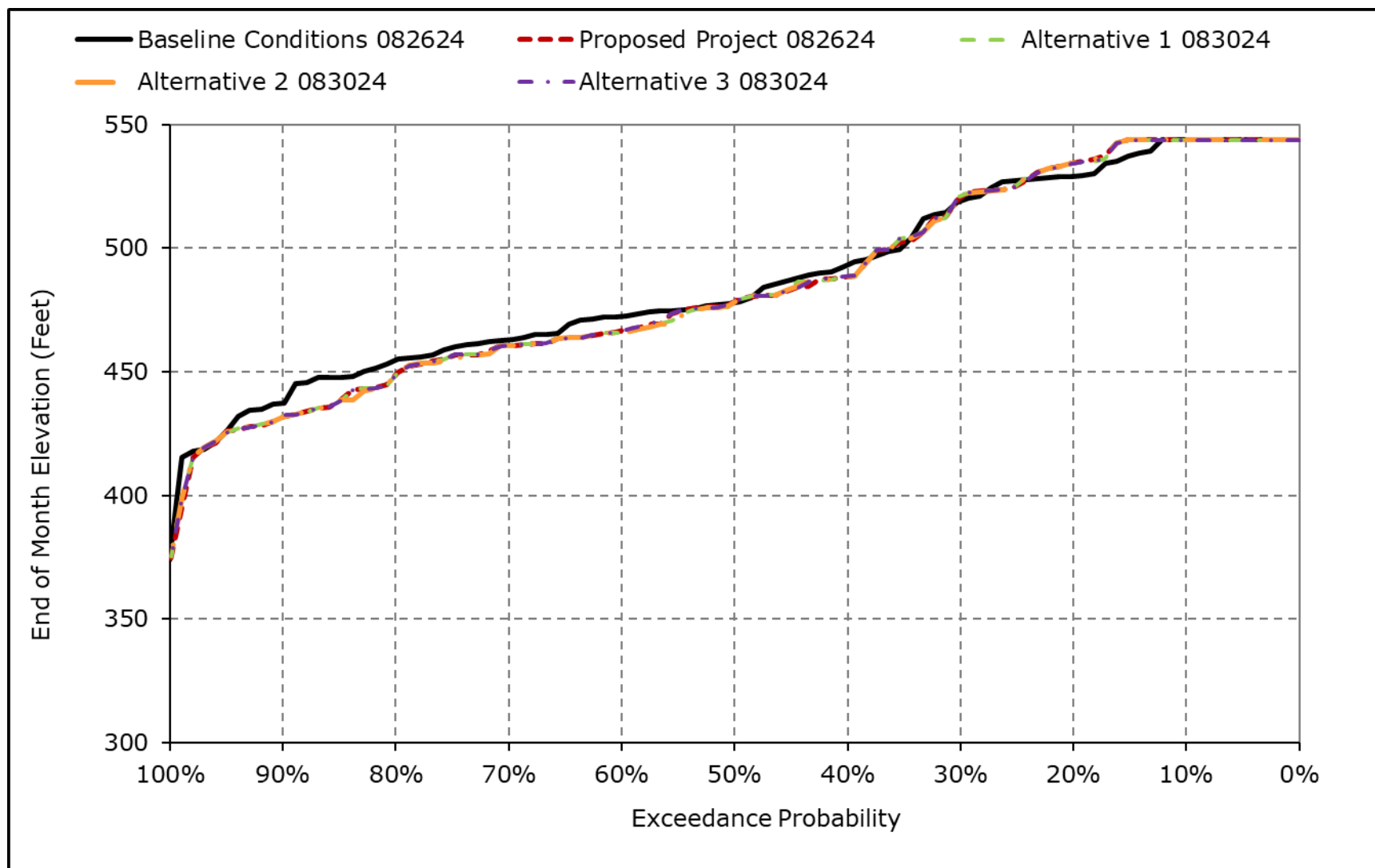
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



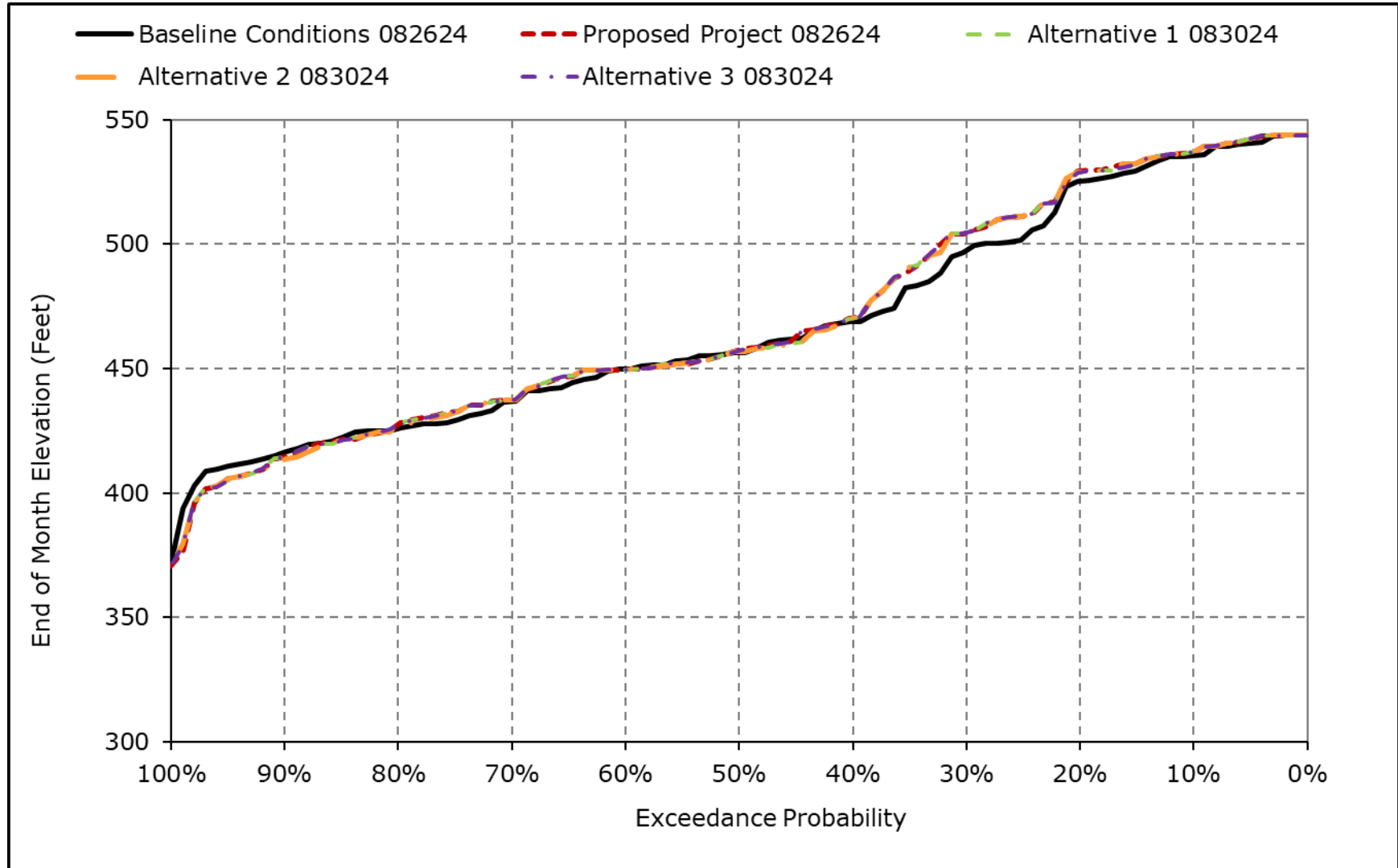
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



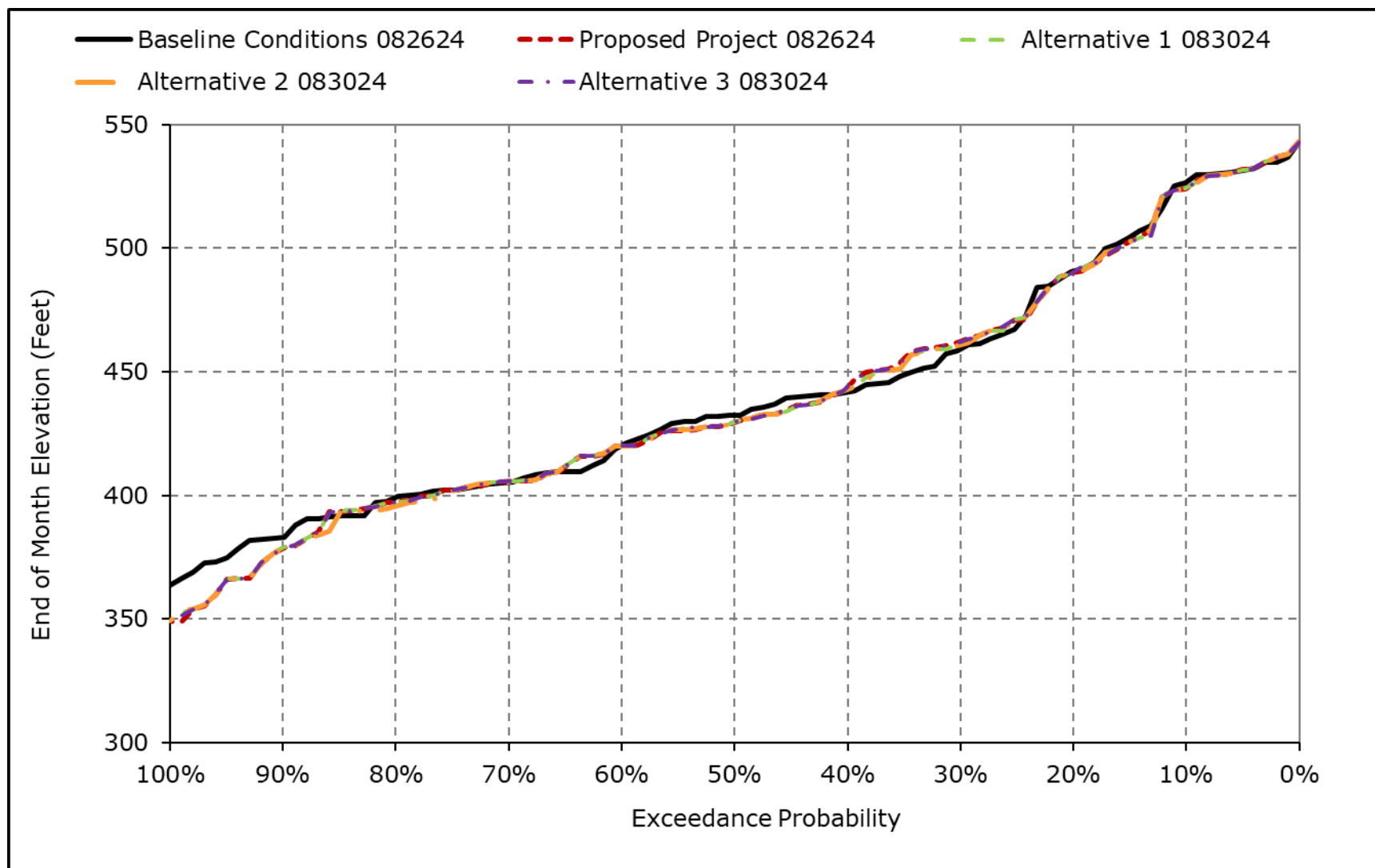
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



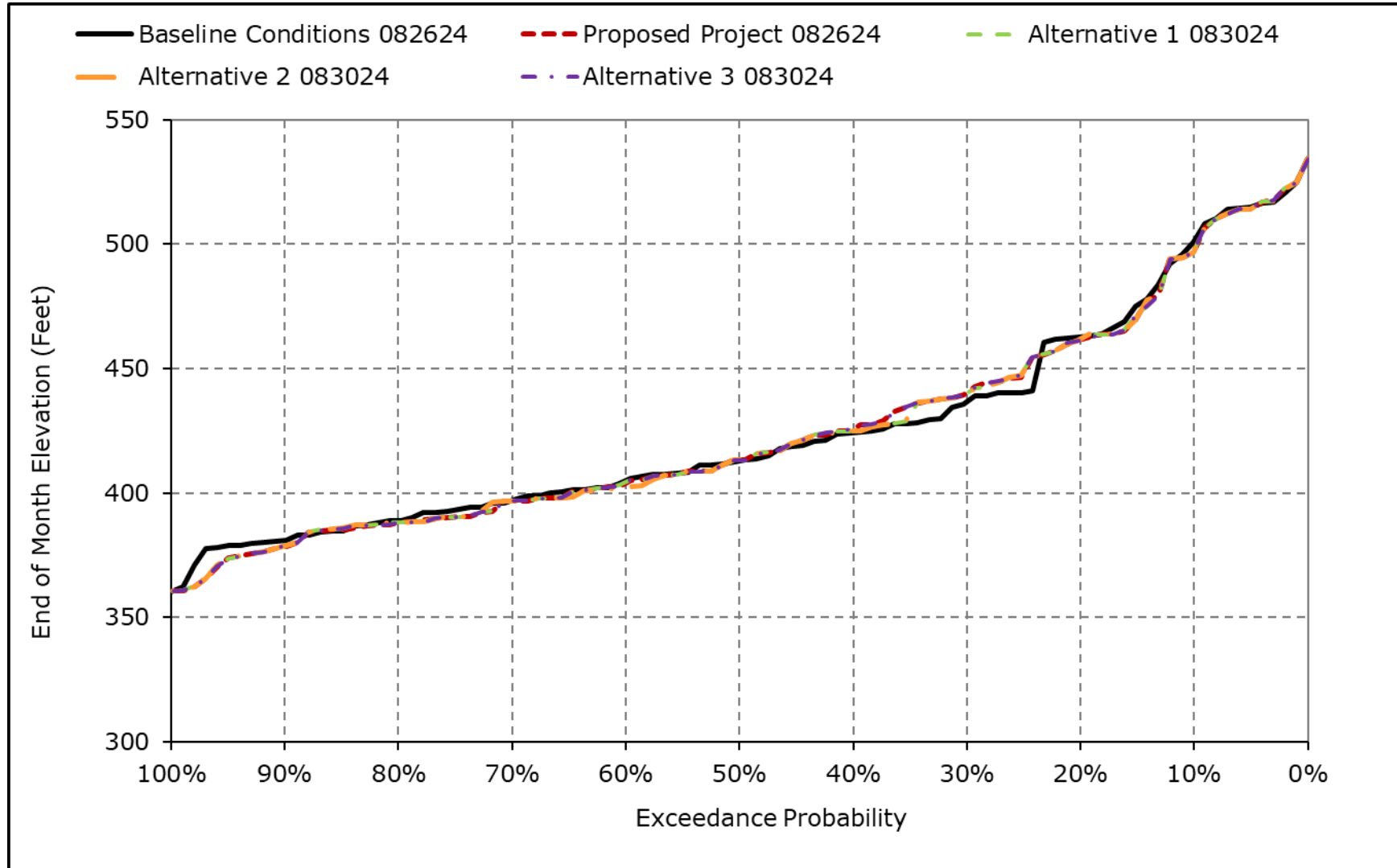
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



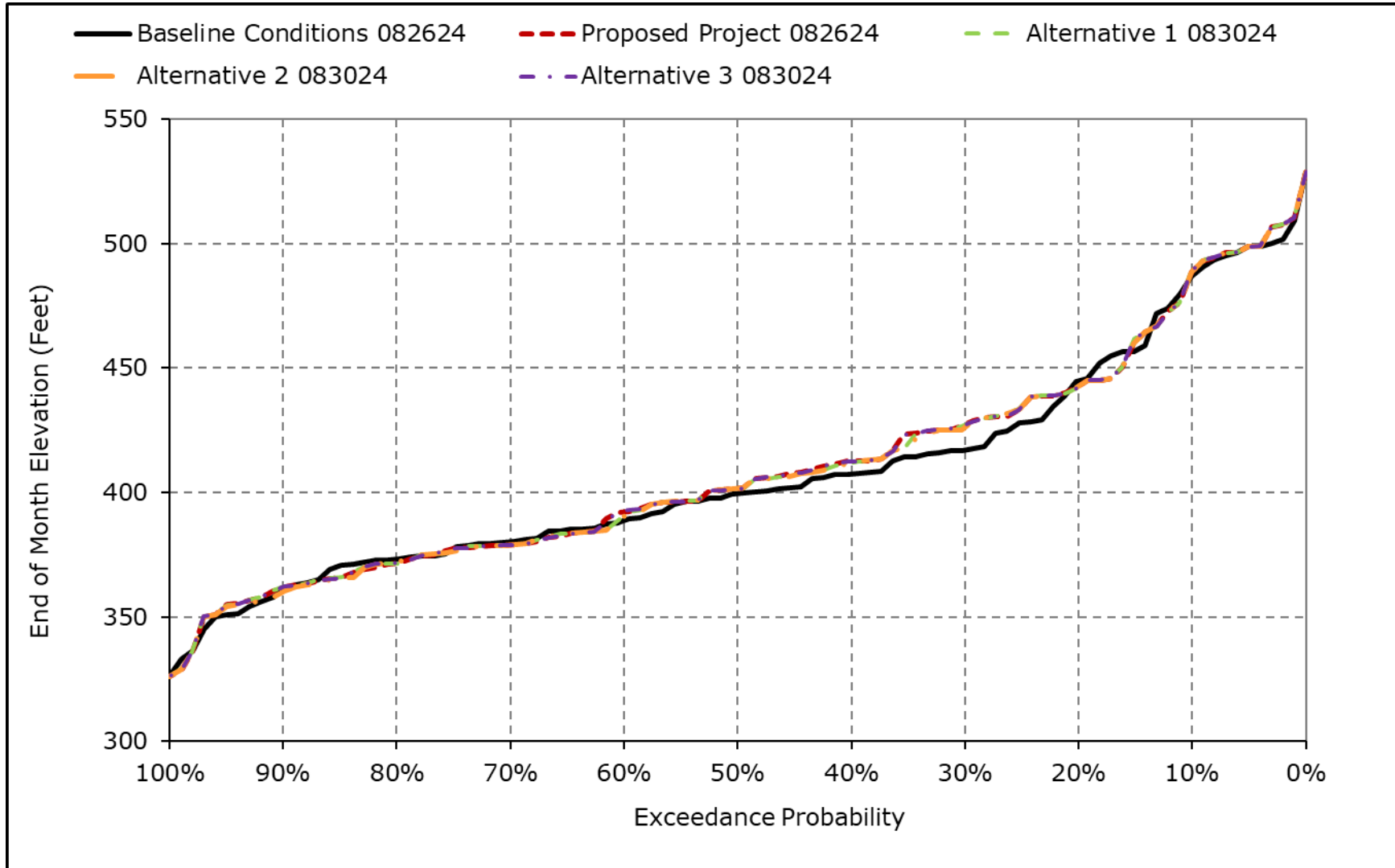
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



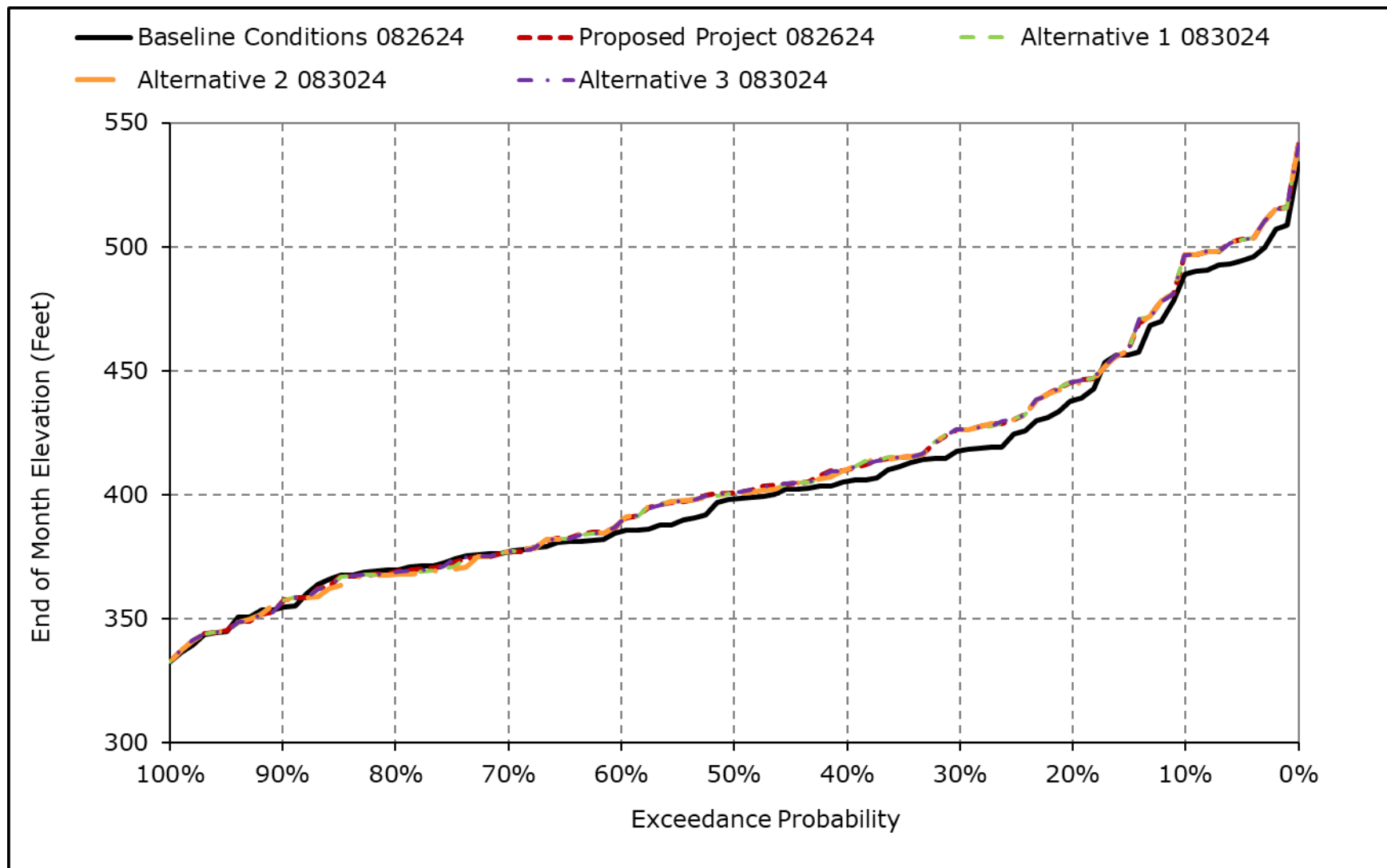
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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.