

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

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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 plus CVP Proposed Action, Sacramento and Feather River VAs (091124)
- Proposed Project plus CVP Proposed Action, Sacramento and Feather River VAs, includes TUCPs (091124)

Title	Model Parameter	Table Numbers	Figure Numbers
San Luis Reservoir SWP Storage	S_SLUIS_SWP	4F-2-1-1a to 4F-2-1-2c	4F-2-1a to 4F-2-1l
San Luis Reservoir Storage	Post-Processed	4F-2-2-1a to 4F-2-2-2c	4F-2-2a to 4F-2-2l
San Luis Reservoir Elevation	Post-Processed	4F-2-3-1a to 4F-2-3-2c	4F-2-3a to 4F-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 4F-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 4F-2-1-1b. San Luis SWP Storage, Proposed Project plus CVP PA Sac Feather VAs 091124, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	877	948	1,067	1,034	1,067	1,067	1,067	1,067	959	919	871	875
20% Exceedance	704	778	823	889	1,009	1,067	1,045	976	761	738	734	692
30% Exceedance	557	690	740	764	907	991	923	839	651	660	613	610
40% Exceedance	495	554	655	702	777	841	779	715	538	567	550	511
50% Exceedance	435	464	568	656	692	730	669	589	461	499	490	435
60% Exceedance	333	390	489	548	612	660	582	528	410	417	407	350
70% Exceedance	202	288	395	506	578	598	540	453	334	372	314	248
80% Exceedance	155	165	230	385	454	506	437	378	298	301	238	162
90% Exceedance	64	111	126	223	316	374	340	268	120	229	178	107
Full Simulation Period Average ^a	436	492	561	629	710	746	698	646	512	528	492	453
Wet Water Years (32%)	476	565	631	723	840	895	897	866	711	720	729	732
Above Normal Water Years (9%)	495	601	720	790	876	885	784	697	491	551	599	539
Below Normal Water Years (20%)	494	548	611	657	711	735	641	561	382	469	478	416
Dry Water Years (21%)	410	449	510	556	591	622	539	455	362	377	234	157
Critical Water Years (18%)	302	296	362	434	533	571	552	544	490	415	335	299

Table 4F-2-1-1c. San Luis SWP Storage, Proposed Project plus CVP PA Sac Feather VAs 091124 minus Baseline Conditions 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	111	79	87	24	0	0	0	2	-22	5	30	114
20% Exceedance	86	46	54	63	58	0	75	61	21	3	50	61
30% Exceedance	32	88	63	17	19	1	-2	62	40	61	35	73
40% Exceedance	51	66	45	22	-6	-18	-5	44	12	69	54	30
50% Exceedance	52	37	28	44	-16	4	-14	35	26	25	55	51
60% Exceedance	70	51	30	-2	-14	-22	-18	31	35	25	53	77
70% Exceedance	-15	13	48	26	-9	-39	-27	47	28	45	20	30
80% Exceedance	5	-9	-75	-6	-12	-31	-19	5	41	3	-2	-9
90% Exceedance	15	34	27	0	-3	-36	-35	-23	-19	-25	-5	-5
Full Simulation Period Average ^a	42	38	31	16	1	-16	-5	35	22	20	27	48
Wet Water Years (32%)	45	38	26	12	-2	-9	4	50	21	12	26	87
Above Normal Water Years (9%)	30	37	32	22	10	-21	-8	45	18	23	27	76
Below Normal Water Years (20%)	41	35	36	24	6	-23	7	79	67	75	68	49
Dry Water Years (21%)	49	49	35	20	6	-21	-30	-10	-9	-10	7	10
Critical Water Years (18%)	38	29	28	7	-11	-12	-7	10	11	7	5	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.

Table 4F-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 4F-2-1-2b. San Luis SWP Storage, Proposed Project plus CVP PA Sac Feather VAs w/TUCPs 091124, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	878	948	1,067	1,067	1,067	1,067	1,067	1,067	974	919	871	875
20% Exceedance	711	790	833	920	1,024	1,067	1,049	986	800	766	740	706
30% Exceedance	578	694	799	765	901	1,043	946	892	651	672	663	619
40% Exceedance	498	565	660	692	777	854	768	719	559	563	554	507
50% Exceedance	428	451	552	621	696	727	669	593	489	509	494	435
60% Exceedance	325	375	464	544	610	647	597	527	400	416	406	365
70% Exceedance	193	267	388	505	577	603	540	454	339	371	319	248
80% Exceedance	159	158	231	398	461	506	436	384	291	300	240	160
90% Exceedance	67	113	132	219	316	374	338	268	120	229	171	110
Full Simulation Period Average ^a	438	492	565	633	712	750	704	652	518	532	498	455
Wet Water Years (32%)	478	566	634	724	841	897	899	869	713	722	730	733
Above Normal Water Years (9%)	497	595	727	795	874	901	802	713	503	561	605	543
Below Normal Water Years (20%)	497	547	613	657	712	736	648	566	388	472	489	419
Dry Water Years (21%)	408	448	512	561	596	624	542	458	363	377	236	157
Critical Water Years (18%)	308	298	370	446	539	576	561	556	505	427	345	305

Table 4F-2-1-2c. San Luis SWP Storage, Proposed Project plus CVP PA Sac Feather VAs w/TUCPs 091124 minus Baseline Conditions 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	111	78	87	57	0	0	0	2	-8	5	30	114
20% Exceedance	93	58	65	94	74	0	79	71	60	31	55	75
30% Exceedance	53	91	121	18	13	54	21	116	40	72	85	82
40% Exceedance	53	77	50	13	-6	-5	-16	48	33	65	58	26
50% Exceedance	44	24	12	9	-13	1	-13	40	55	35	59	51
60% Exceedance	61	35	5	-6	-16	-35	-2	31	24	24	52	93
70% Exceedance	-24	-8	41	25	-10	-34	-27	48	33	43	25	30
80% Exceedance	9	-16	-74	7	-6	-31	-19	11	34	2	0	-11
90% Exceedance	18	36	33	-4	-3	-36	-38	-23	-18	-25	-11	-1
Full Simulation Period Average ^a	44	38	34	20	4	-12	0	41	28	25	32	50
Wet Water Years (32%)	47	39	29	13	-1	-7	6	52	23	14	27	88
Above Normal Water Years (9%)	32	30	38	27	8	-5	10	60	31	32	34	80
Below Normal Water Years (20%)	43	34	38	25	8	-22	14	83	73	79	79	53
Dry Water Years (21%)	48	48	37	25	12	-19	-27	-7	-8	-9	9	11
Critical Water Years (18%)	43	31	35	19	-5	-7	2	21	26	19	14	12

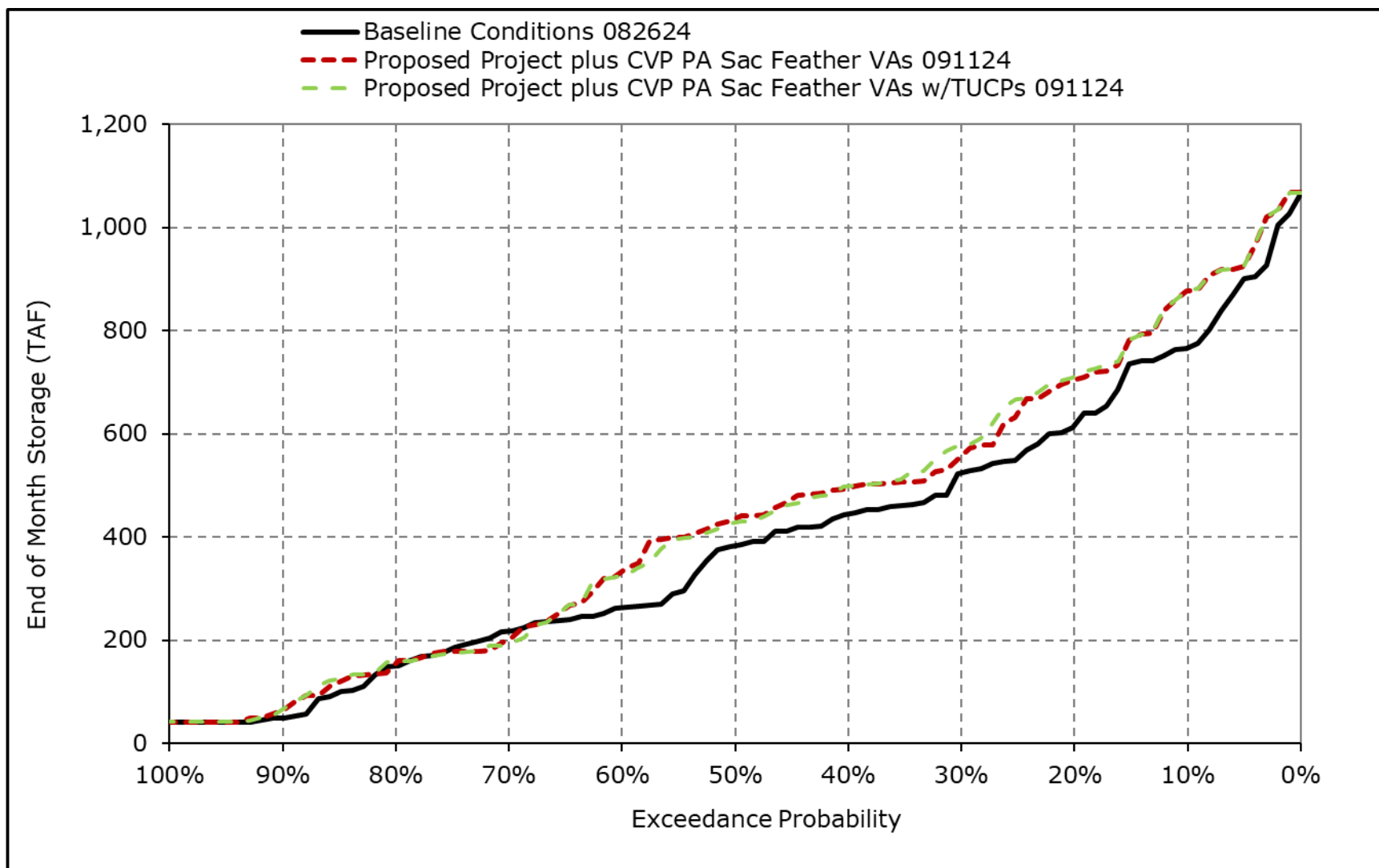
^a Based on the 100-year simulation period.

* 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).

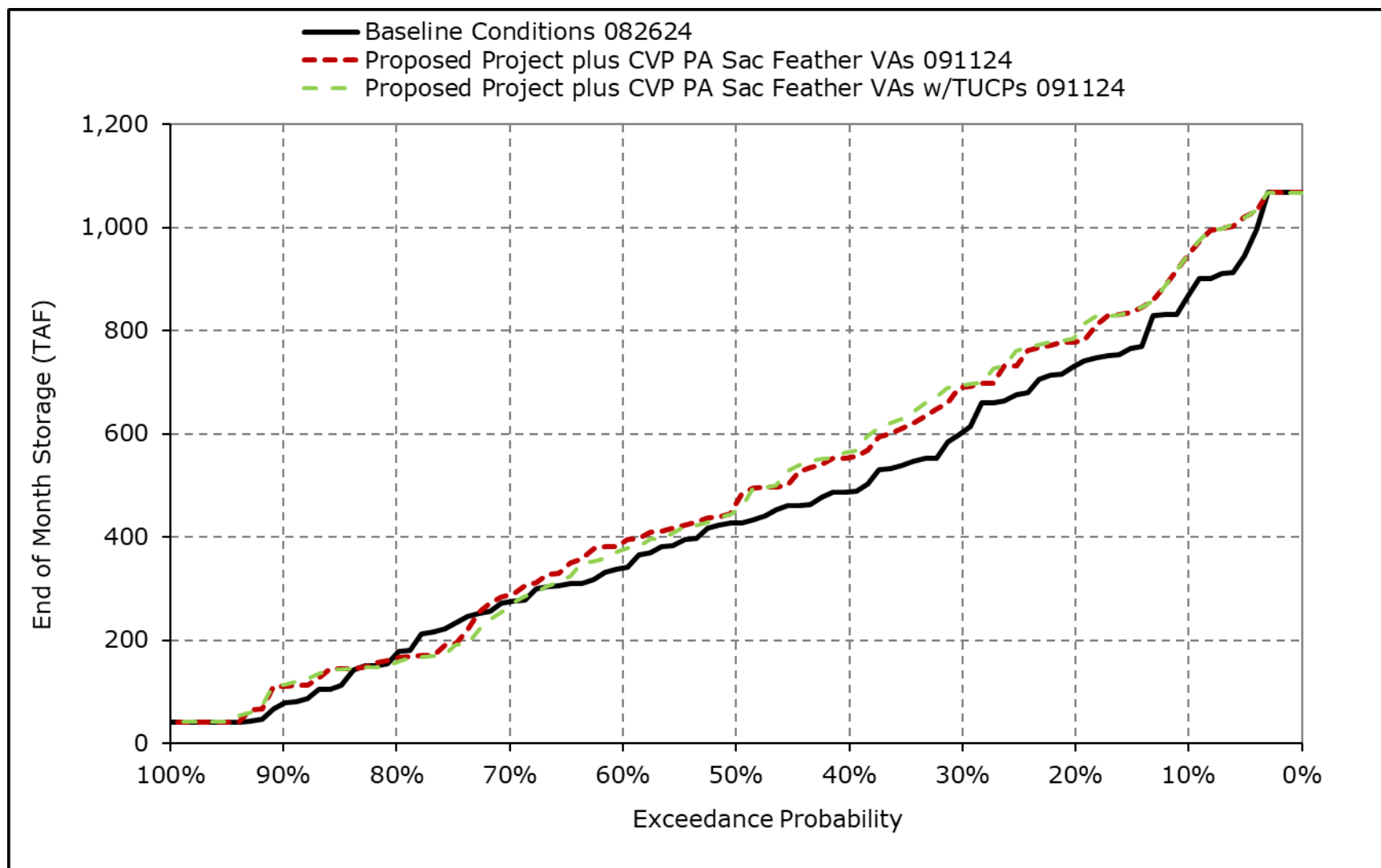
* Water Year Types results are displayed with water year - year type sorting.

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



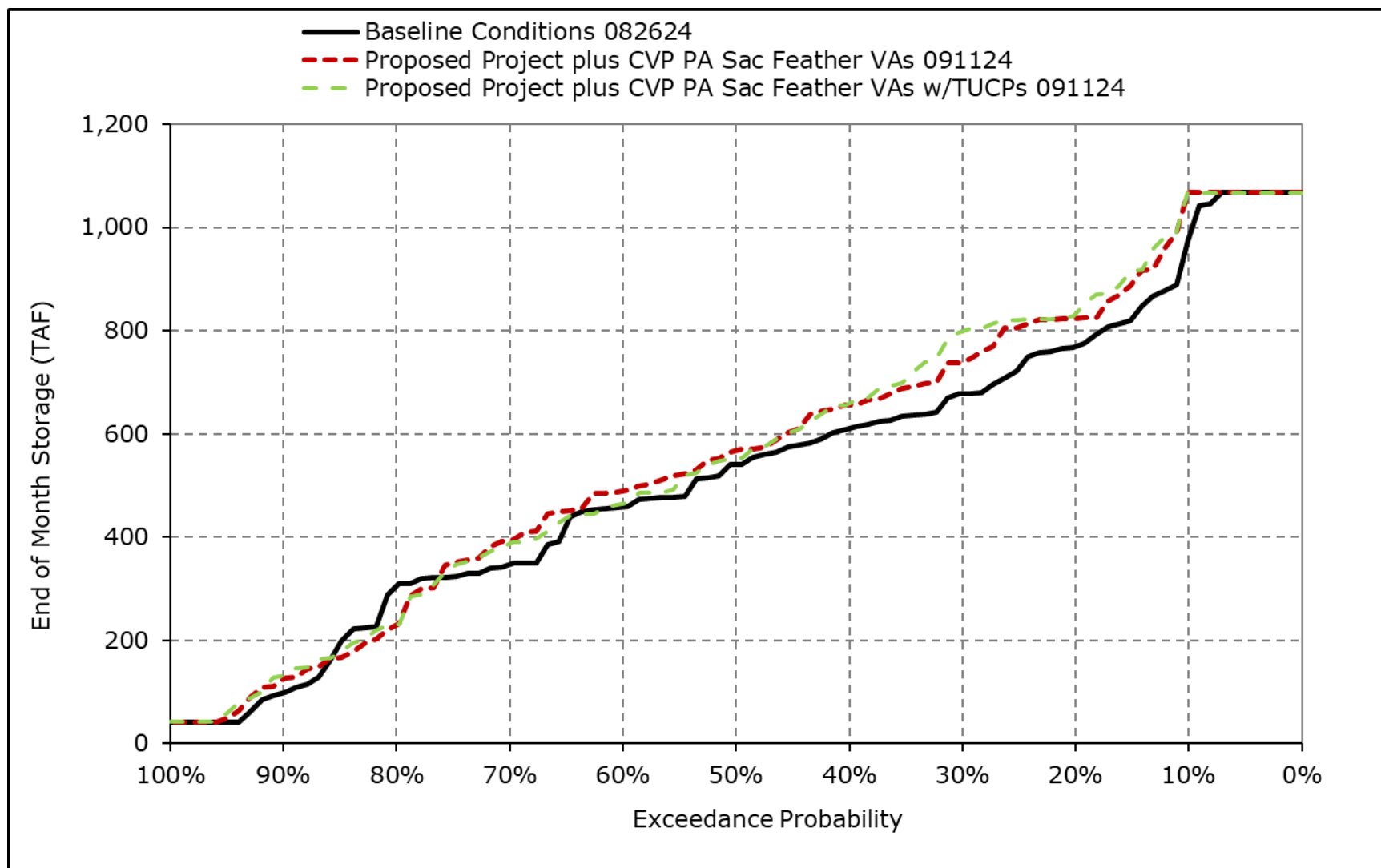
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



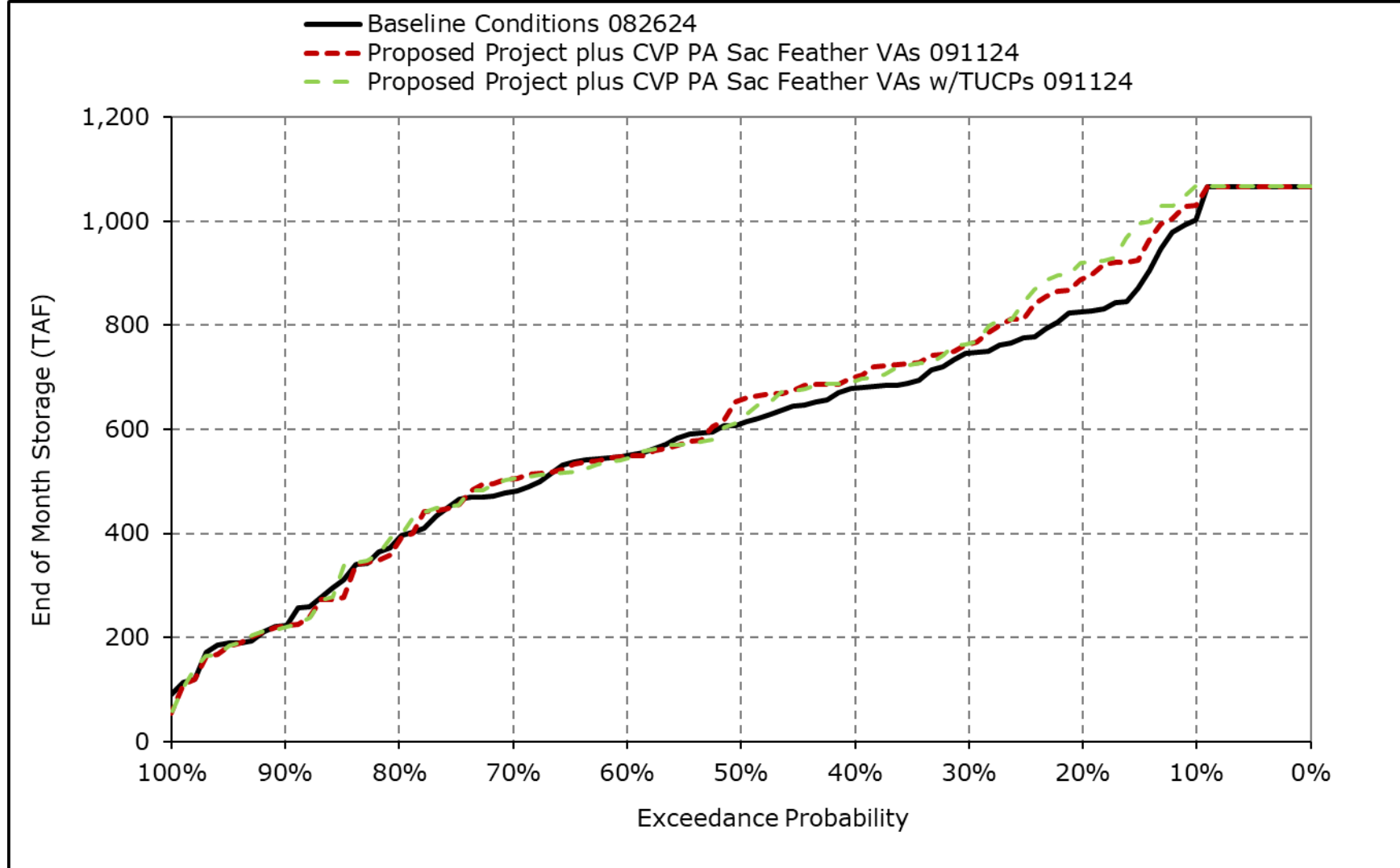
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



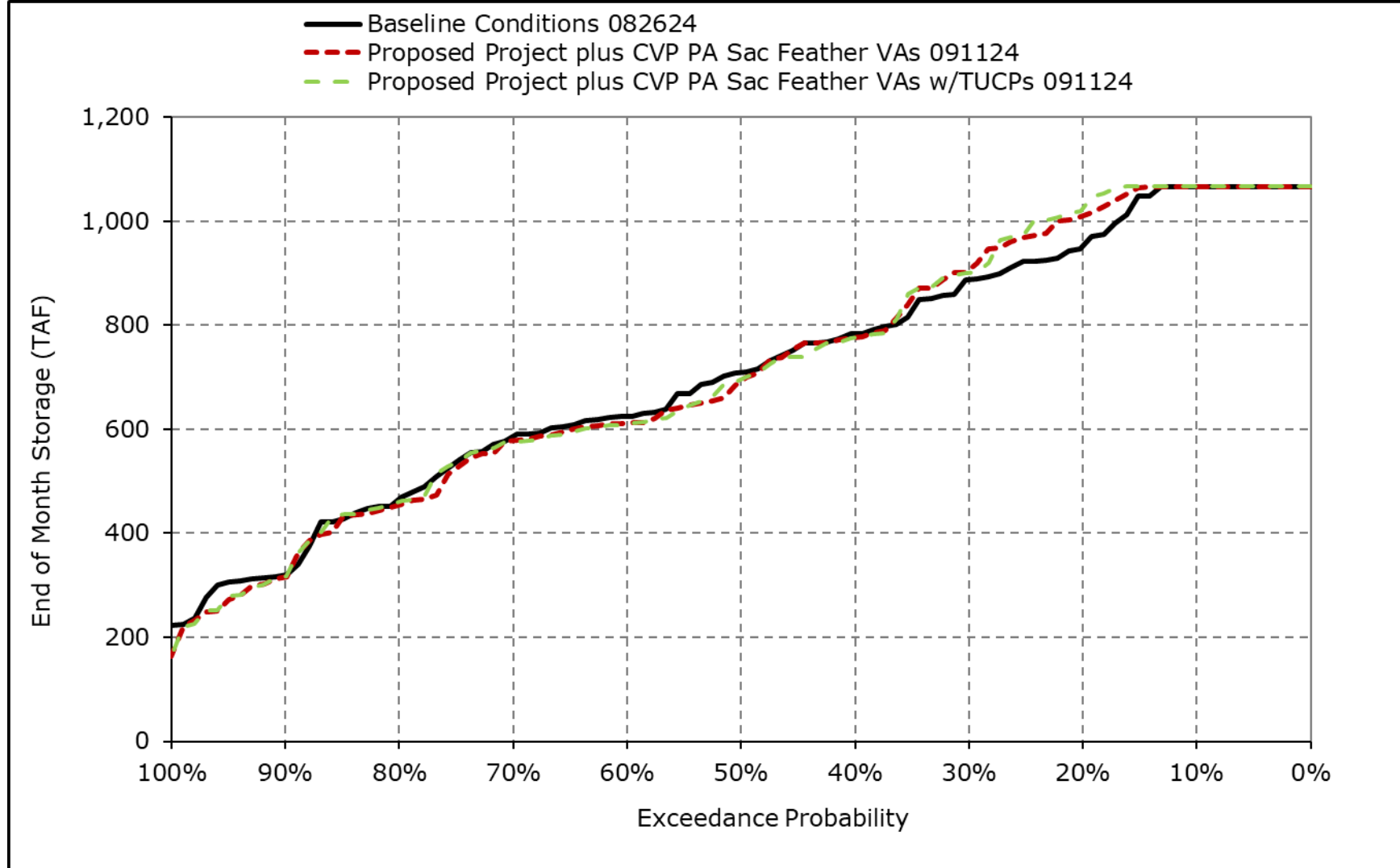
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



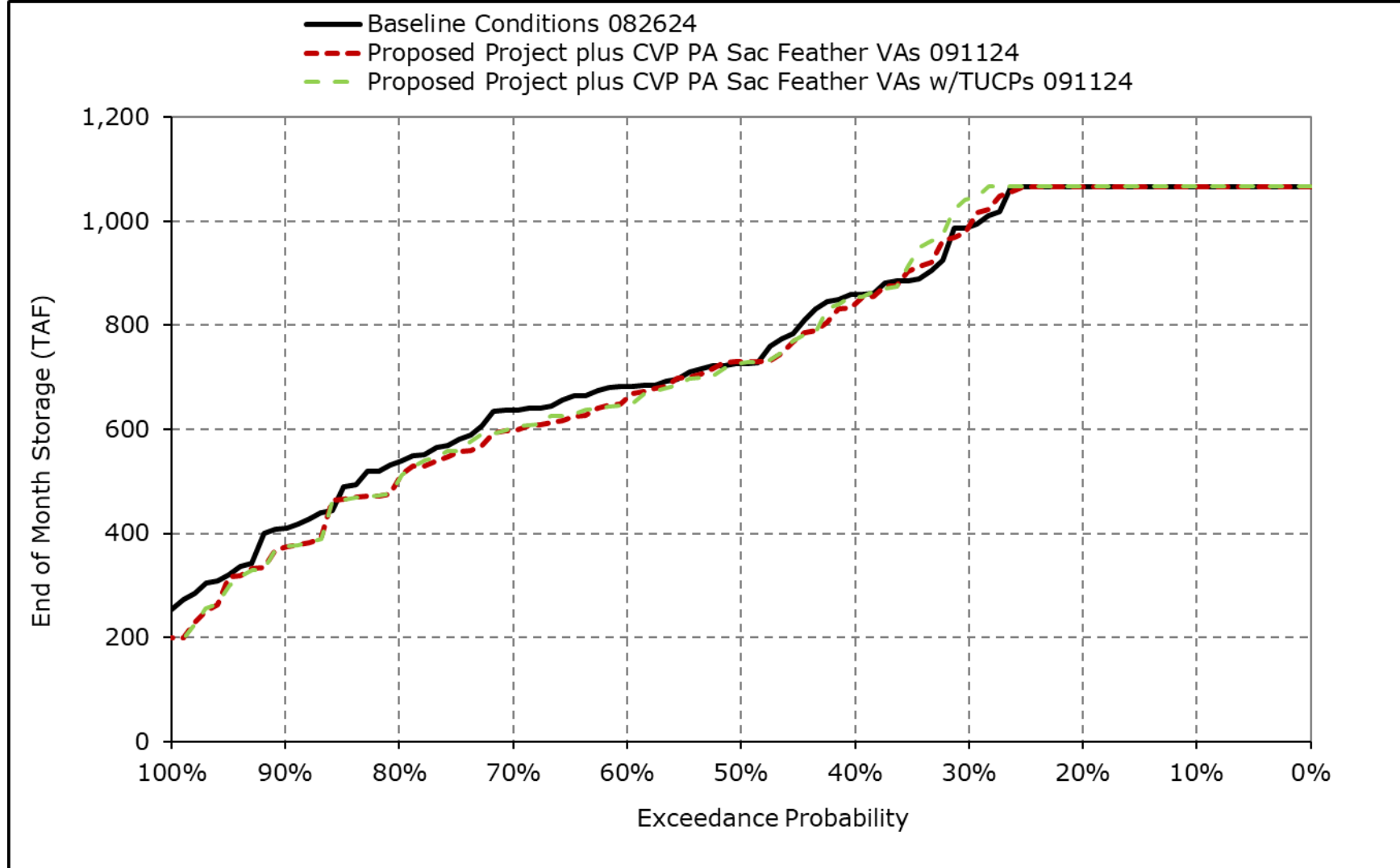
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



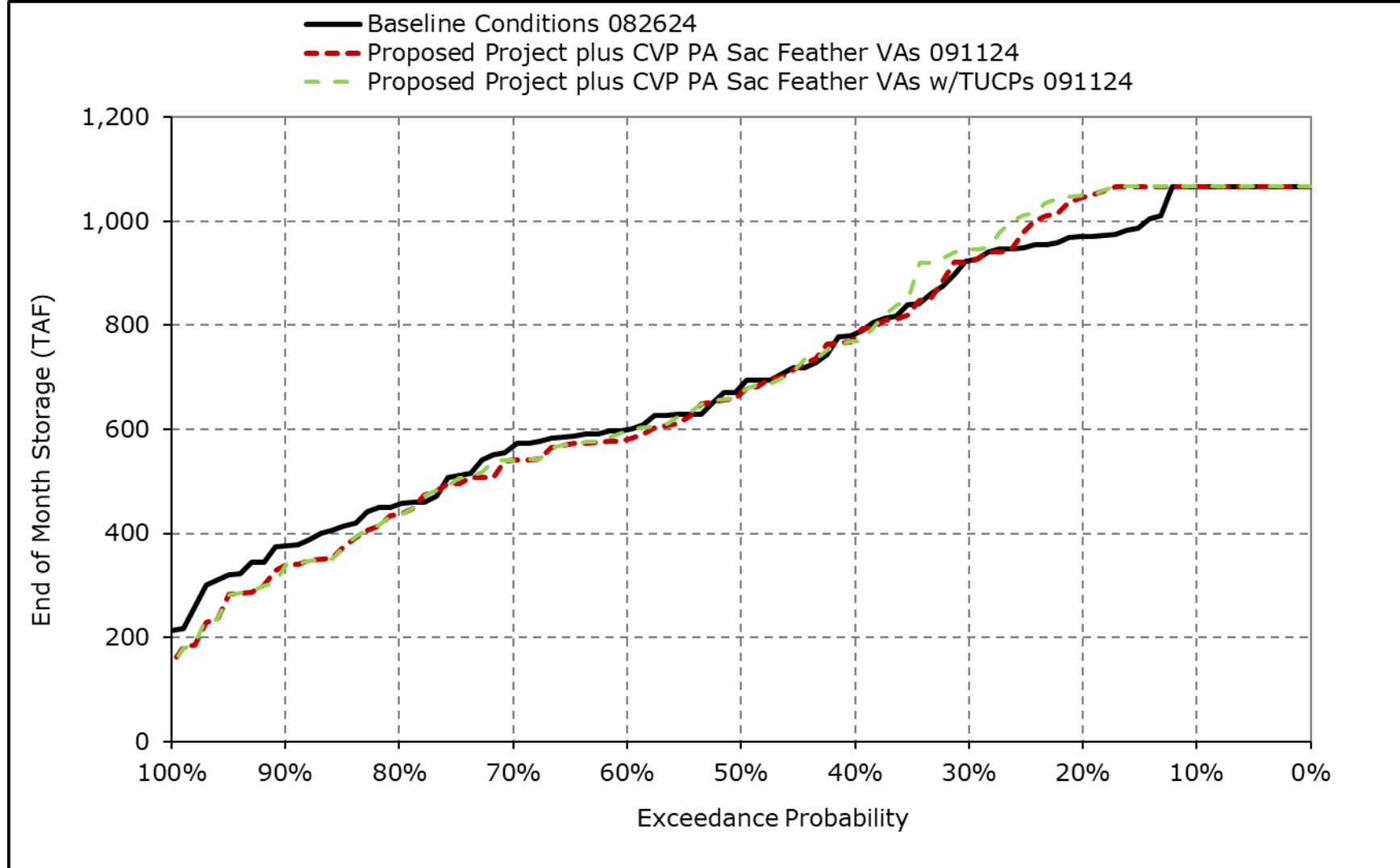
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



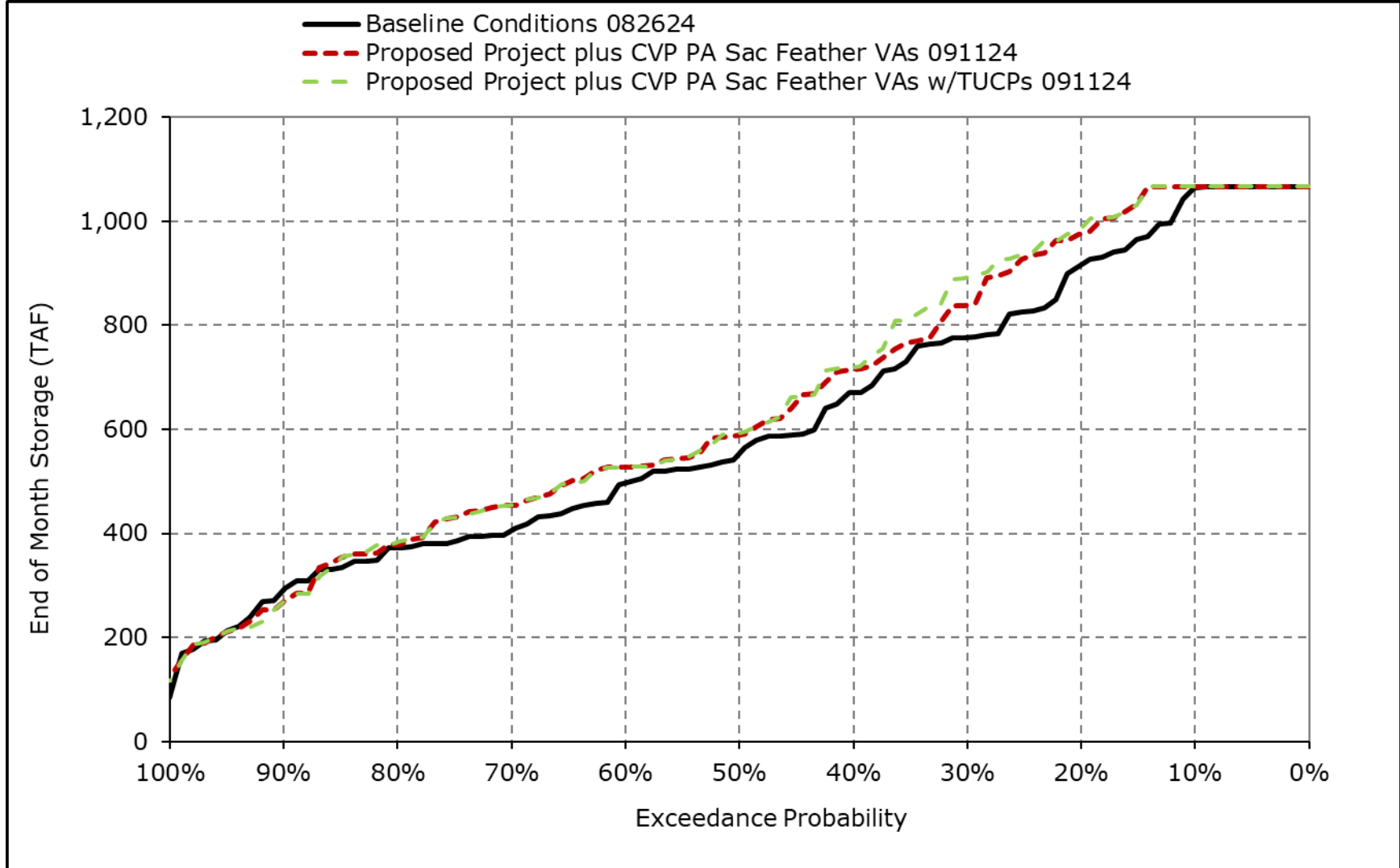
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



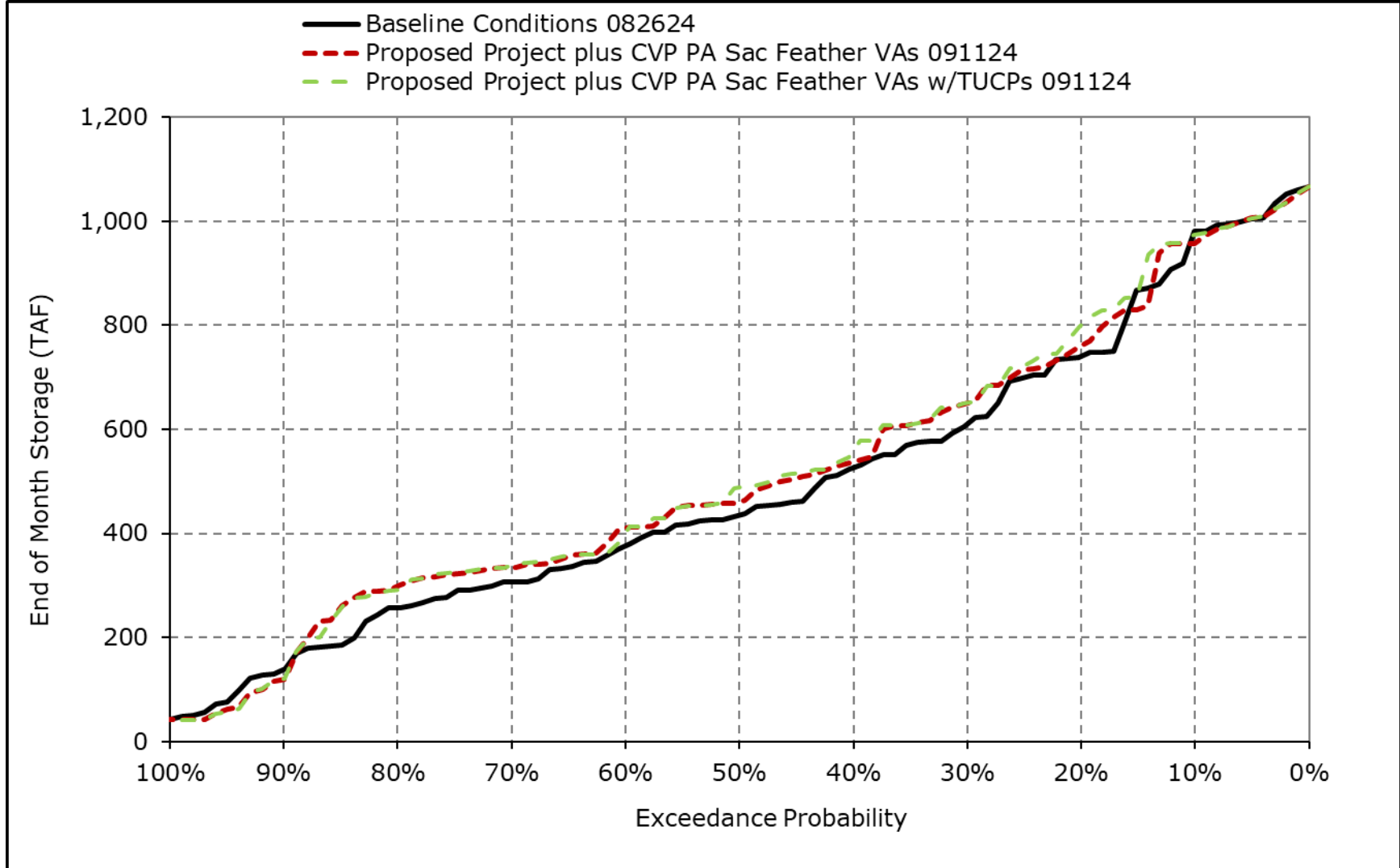
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



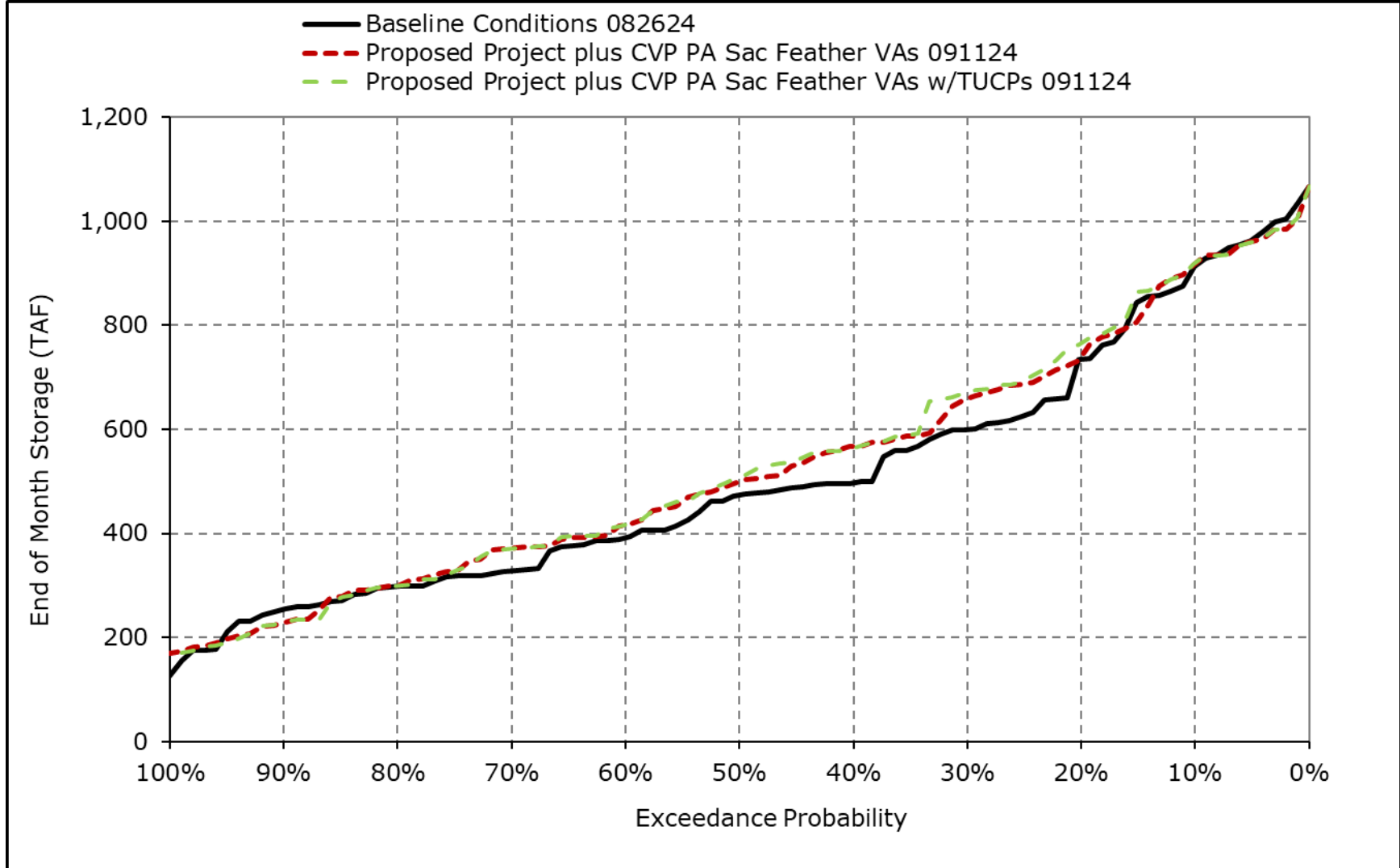
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



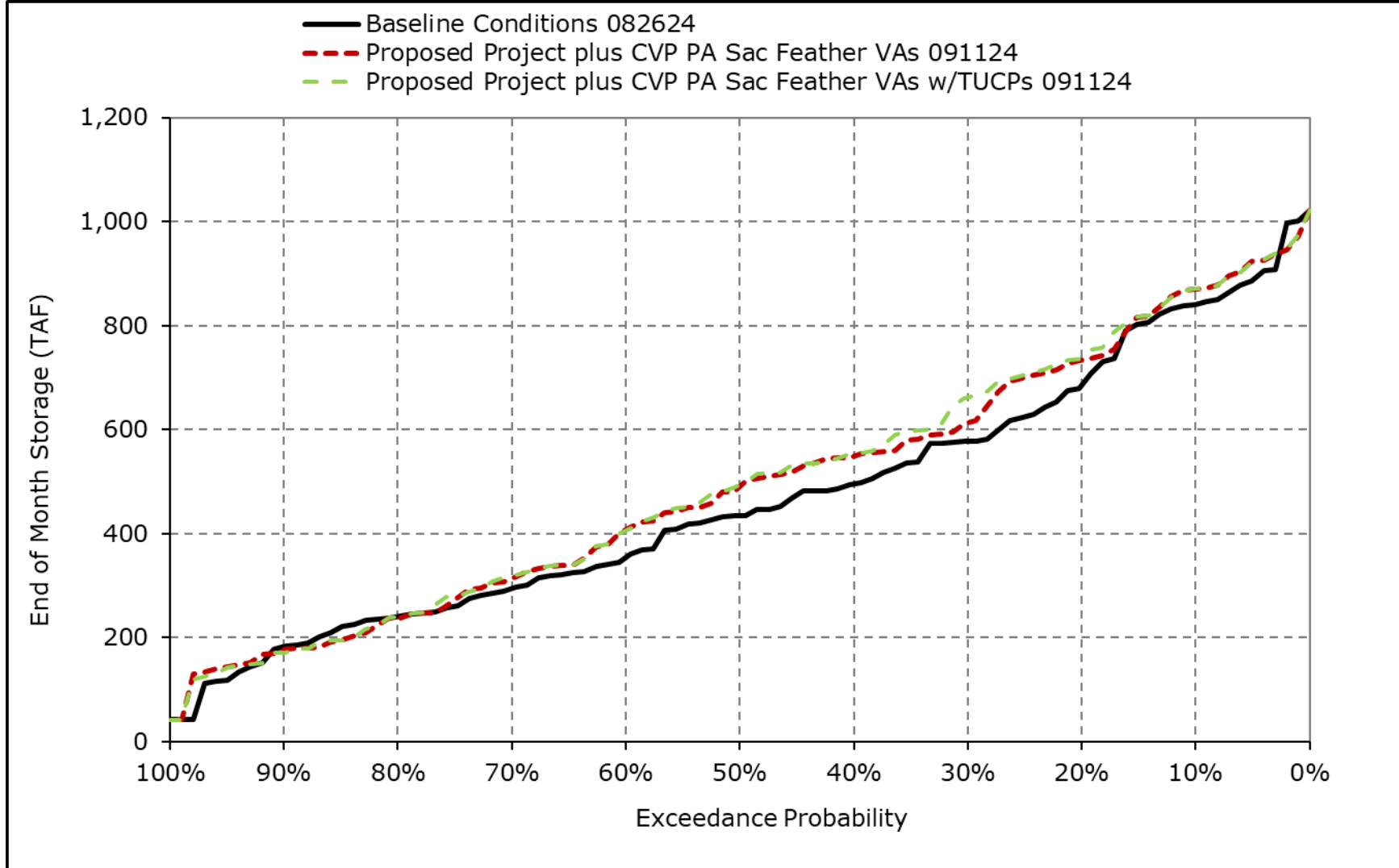
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



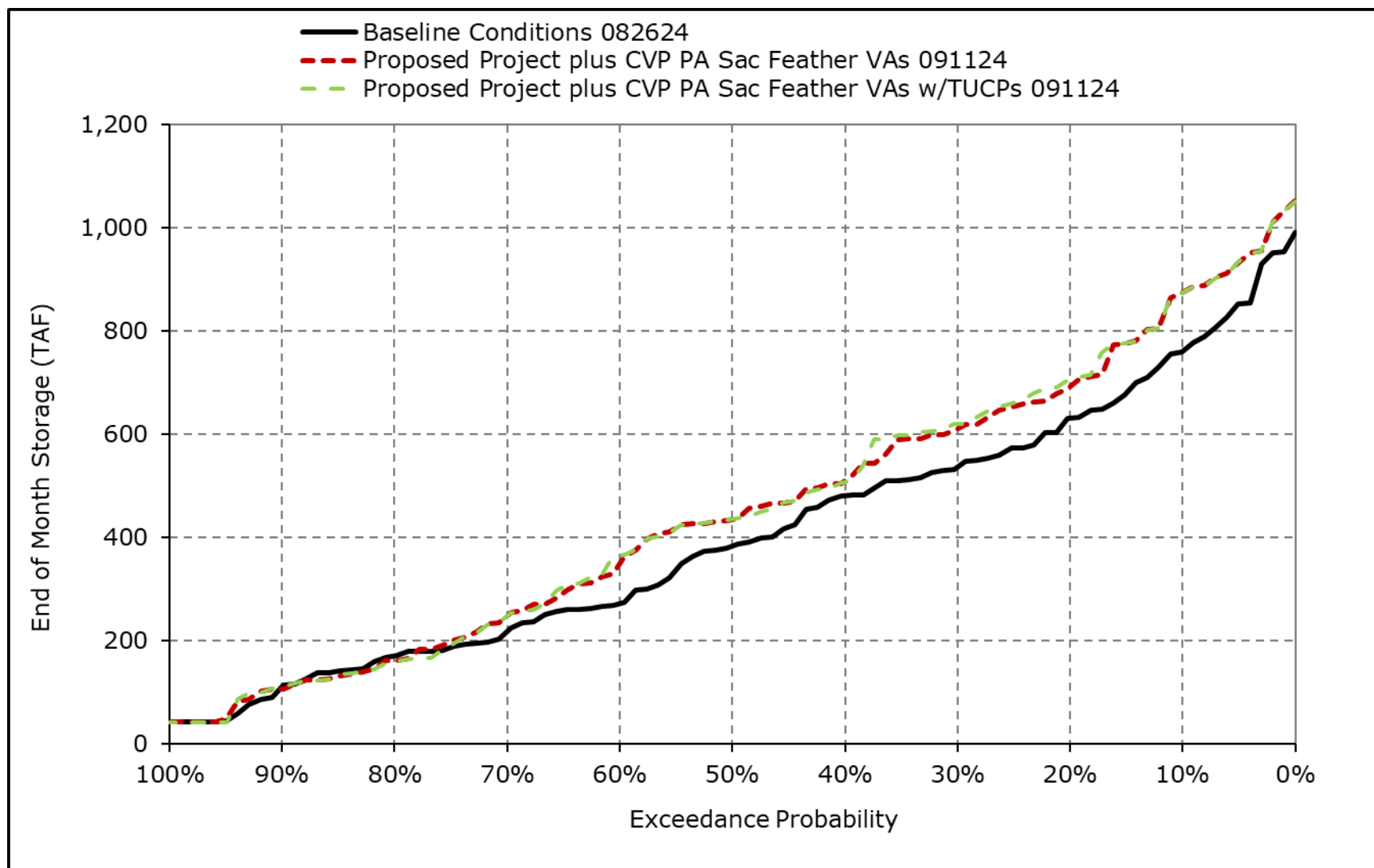
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



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

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



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

Table 4F-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 4F-2-2-1b. San Luis Storage (CVP and SWP), Proposed Project plus CVP PA Sac Feather VAs 091124, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,463	1,687	1,859	1,898	2,014	2,039	2,039	1,986	1,836	1,496	1,393	1,476
20% Exceedance	1,022	1,215	1,486	1,620	1,867	2,021	1,953	1,872	1,416	1,119	893	927
30% Exceedance	829	1,080	1,294	1,455	1,714	1,832	1,777	1,597	1,192	934	793	768
40% Exceedance	682	915	1,127	1,335	1,529	1,650	1,556	1,447	1,037	853	668	636
50% Exceedance	598	811	1,040	1,234	1,412	1,486	1,381	1,253	946	722	587	569
60% Exceedance	478	640	945	1,161	1,329	1,366	1,267	1,126	854	654	490	503
70% Exceedance	408	579	704	965	1,173	1,270	1,156	1,040	721	568	425	381
80% Exceedance	319	463	646	864	1,072	1,147	1,070	893	635	519	336	331
90% Exceedance	275	344	554	694	893	973	907	799	491	433	271	239
Full Simulation Period Average ^a	704	885	1,079	1,247	1,430	1,516	1,440	1,332	1,023	838	676	672
Wet Water Years (32%)	751	984	1,222	1,468	1,708	1,818	1,802	1,700	1,377	1,165	1,046	1,074
Above Normal Water Years (9%)	702	946	1,238	1,433	1,641	1,696	1,572	1,401	979	793	722	643
Below Normal Water Years (20%)	825	1,021	1,178	1,304	1,470	1,522	1,397	1,249	867	737	612	607
Dry Water Years (21%)	682	841	1,005	1,123	1,218	1,302	1,164	1,029	758	606	335	319
Critical Water Years (18%)	511	578	721	841	1,033	1,133	1,103	1,087	901	663	463	453

Table 4F-2-2-1c. San Luis Storage (CVP and SWP), Proposed Project plus CVP PA Sac Feather VAs 091124 minus Baseline Conditions 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	66	92	77	67	39	0	0	48	8	-32	27	89
20% Exceedance	32	17	72	37	8	-16	99	61	13	13	-31	68
30% Exceedance	105	81	33	14	57	-32	44	116	123	86	124	93
40% Exceedance	46	78	37	29	52	37	124	278	142	123	80	66
50% Exceedance	86	108	60	56	53	2	114	213	140	87	66	58
60% Exceedance	24	63	103	78	60	-19	58	153	160	87	48	86
70% Exceedance	59	63	-3	3	-38	-40	49	193	152	66	45	24
80% Exceedance	14	19	22	1	-74	-52	49	148	117	77	6	28
90% Exceedance	54	33	70	67	39	-16	56	134	89	46	12	12
Full Simulation Period Average ^a	55	57	47	31	18	-9	53	143	95	60	42	58
Wet Water Years (32%)	54	50	38	22	7	-6	13	57	11	6	19	76
Above Normal Water Years (9%)	26	42	41	24	5	-53	-10	52	1	15	39	77
Below Normal Water Years (20%)	61	60	60	45	34	-25	124	293	233	170	102	74
Dry Water Years (21%)	52	60	43	31	9	-26	43	160	109	50	20	17
Critical Water Years (18%)	70	70	57	37	35	43	89	155	121	69	46	48

^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 4F-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 4F-2-2-2b. San Luis Storage (CVP and SWP), Proposed Project plus CVP PA Sac Feather VAs w/TUCPs 091124, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,505	1,693	1,888	1,904	2,021	2,039	2,039	1,986	1,844	1,591	1,434	1,479
20% Exceedance	1,034	1,289	1,521	1,696	1,908	2,028	1,964	1,875	1,505	1,186	981	994
30% Exceedance	850	1,137	1,322	1,471	1,732	1,893	1,800	1,646	1,200	962	820	792
40% Exceedance	695	948	1,171	1,346	1,539	1,670	1,575	1,474	1,058	841	688	659
50% Exceedance	605	802	1,045	1,216	1,405	1,513	1,386	1,263	953	735	600	574
60% Exceedance	477	640	938	1,132	1,311	1,391	1,272	1,134	854	658	490	503
70% Exceedance	404	594	732	1,002	1,186	1,273	1,150	1,040	709	567	421	381
80% Exceedance	316	427	645	868	1,080	1,146	1,068	890	646	515	356	329
90% Exceedance	279	337	552	695	892	984	903	793	492	432	283	228
Full Simulation Period Average ^a	719	895	1,093	1,261	1,440	1,530	1,452	1,342	1,036	853	693	685
Wet Water Years (32%)	753	985	1,226	1,469	1,709	1,820	1,804	1,701	1,378	1,166	1,047	1,075
Above Normal Water Years (9%)	710	941	1,250	1,444	1,645	1,715	1,590	1,417	992	802	728	647
Below Normal Water Years (20%)	835	1,029	1,186	1,312	1,478	1,525	1,402	1,250	860	732	609	596
Dry Water Years (21%)	685	842	1,008	1,127	1,222	1,309	1,170	1,037	765	609	337	322
Critical Water Years (18%)	573	625	776	897	1,074	1,186	1,145	1,125	962	740	553	531

Table 4F-2-2-2c. San Luis Storage (CVP and SWP), Proposed Project plus CVP PA Sac Feather VAs w/TUCPs 091124 minus Baseline Conditions 082624, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	108	98	105	73	47	0	0	48	16	63	68	92
20% Exceedance	45	91	107	112	48	-8	110	65	102	80	57	135
30% Exceedance	125	139	61	31	76	29	68	165	132	114	151	118
40% Exceedance	60	110	81	40	62	57	143	305	163	111	100	88
50% Exceedance	93	99	65	39	46	28	119	223	147	99	79	62
60% Exceedance	24	63	96	49	43	7	63	161	159	90	48	86
70% Exceedance	55	78	25	40	-25	-38	42	193	140	65	41	23
80% Exceedance	11	-17	21	5	-66	-53	47	145	128	73	25	27
90% Exceedance	58	26	68	68	38	-5	52	128	91	46	25	1
Full Simulation Period Average ^a	70	68	62	45	28	4	66	154	107	75	59	72
Wet Water Years (32%)	55	52	41	23	8	-5	15	59	12	7	20	77
Above Normal Water Years (9%)	34	38	54	36	9	-34	8	68	14	25	45	80
Below Normal Water Years (20%)	72	68	69	53	42	-22	130	294	226	166	100	63
Dry Water Years (21%)	55	61	46	35	13	-20	50	168	116	53	22	20
Critical Water Years (18%)	132	118	112	92	76	96	132	193	182	146	136	127

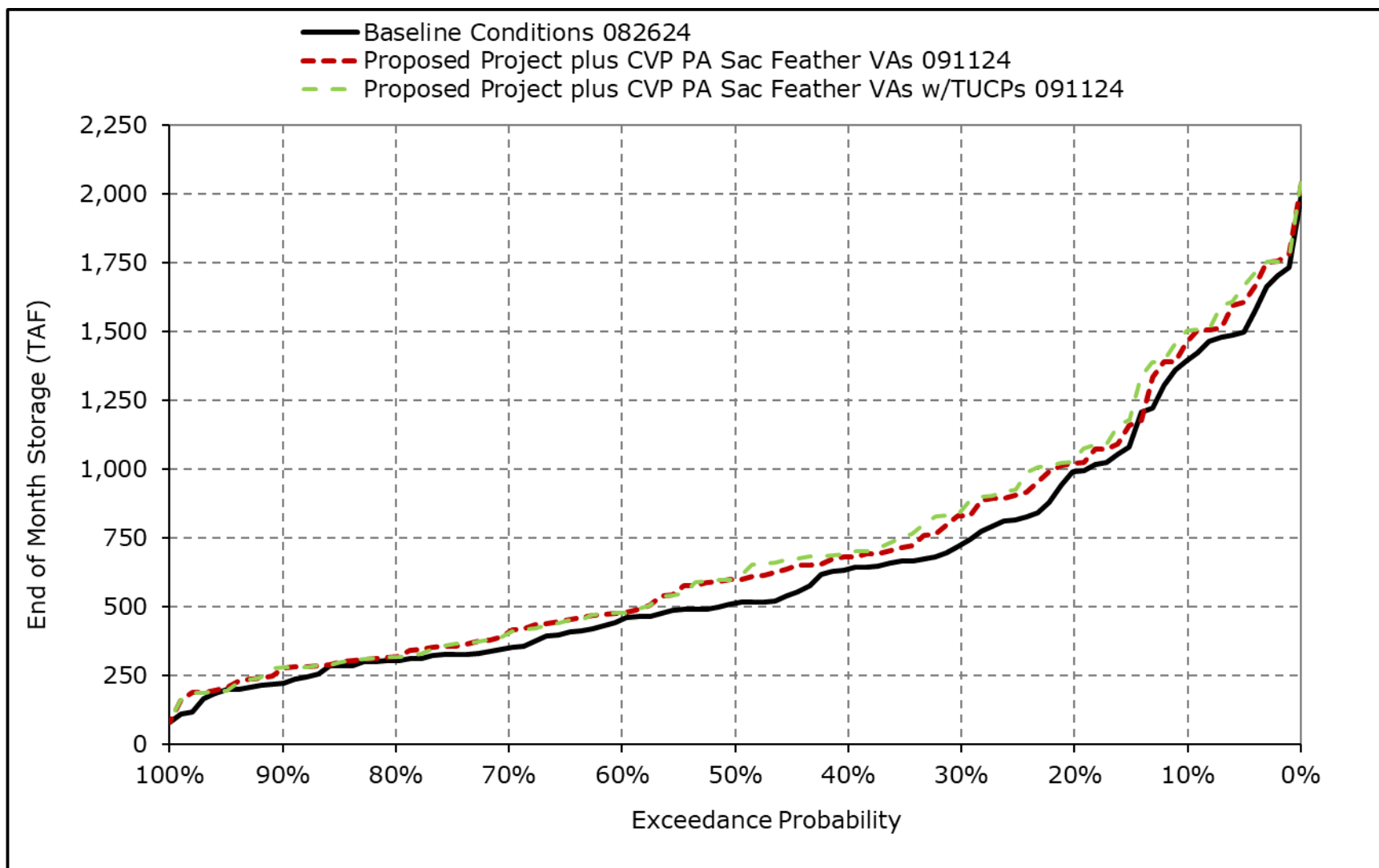
^a Based on the 100-year simulation period.

* 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).

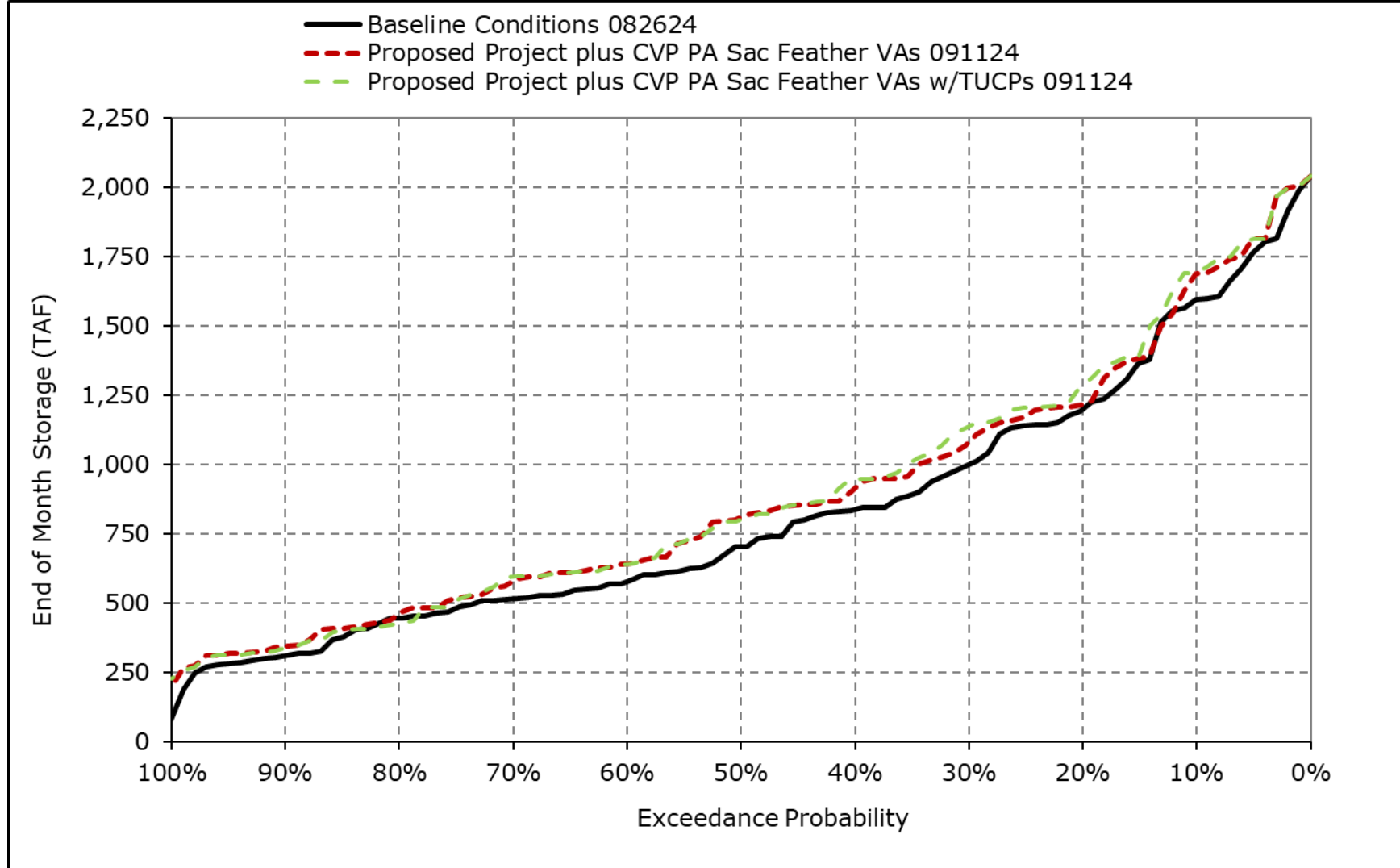
* Water Year Types results are displayed with water year - year type sorting.

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



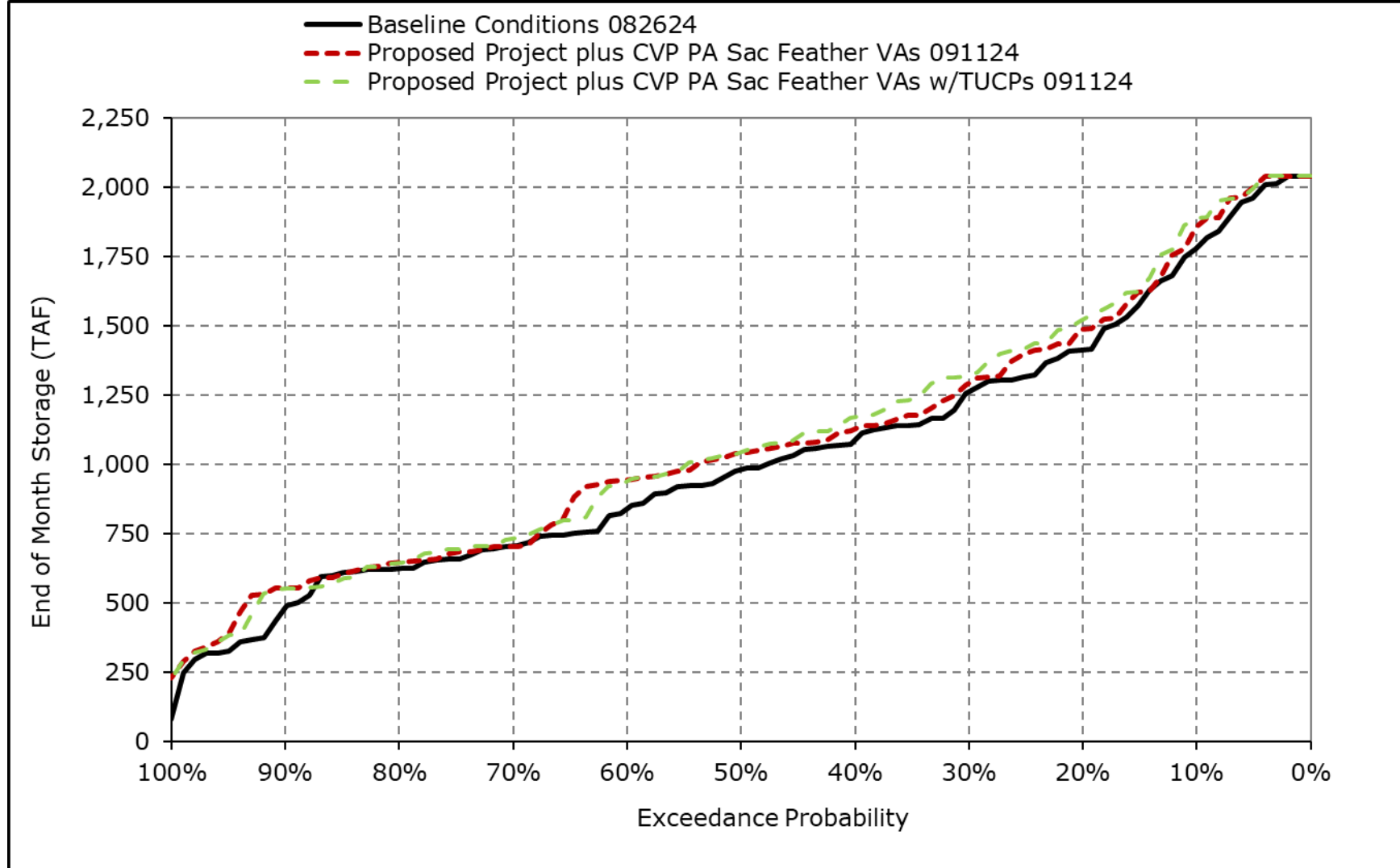
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



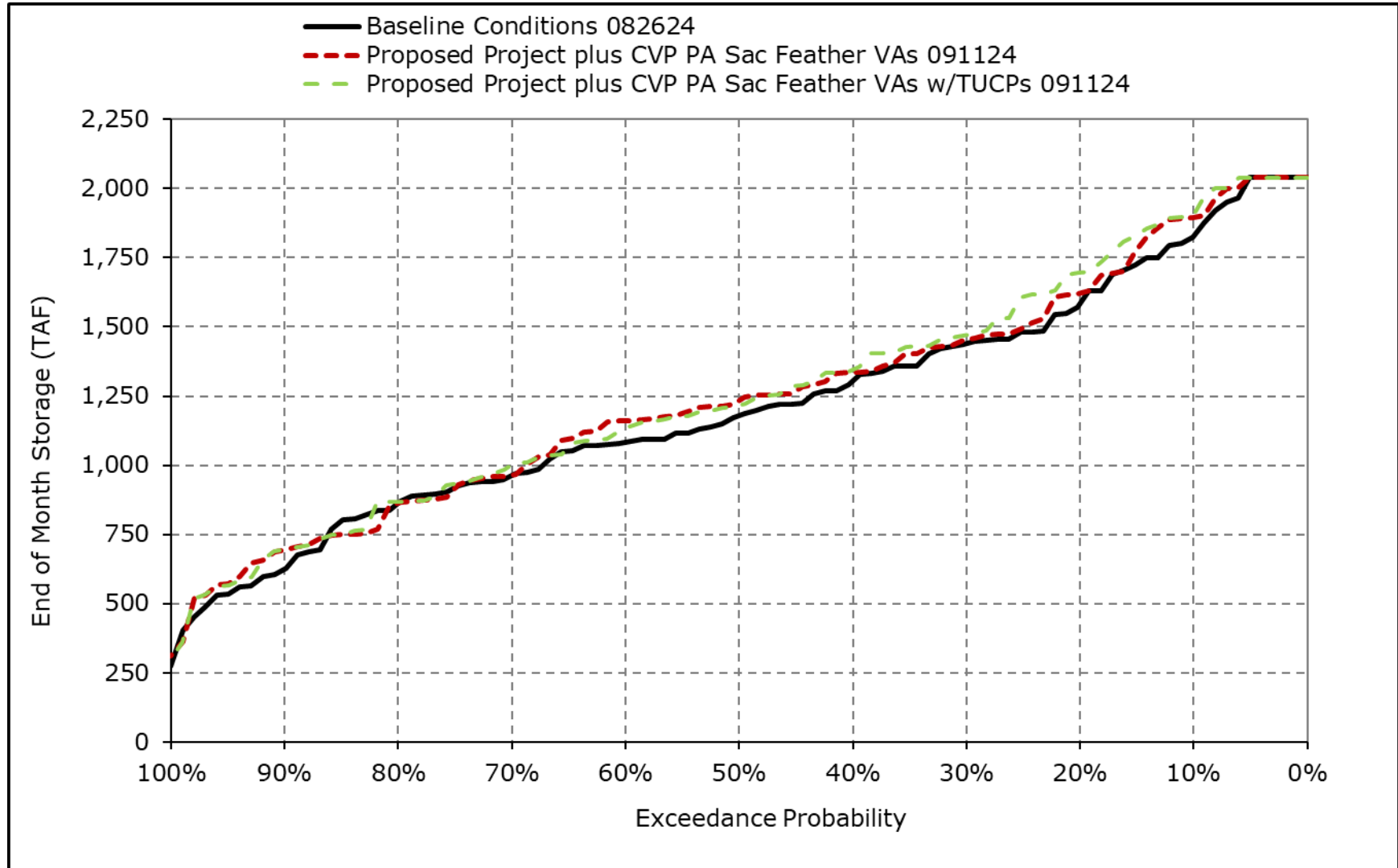
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



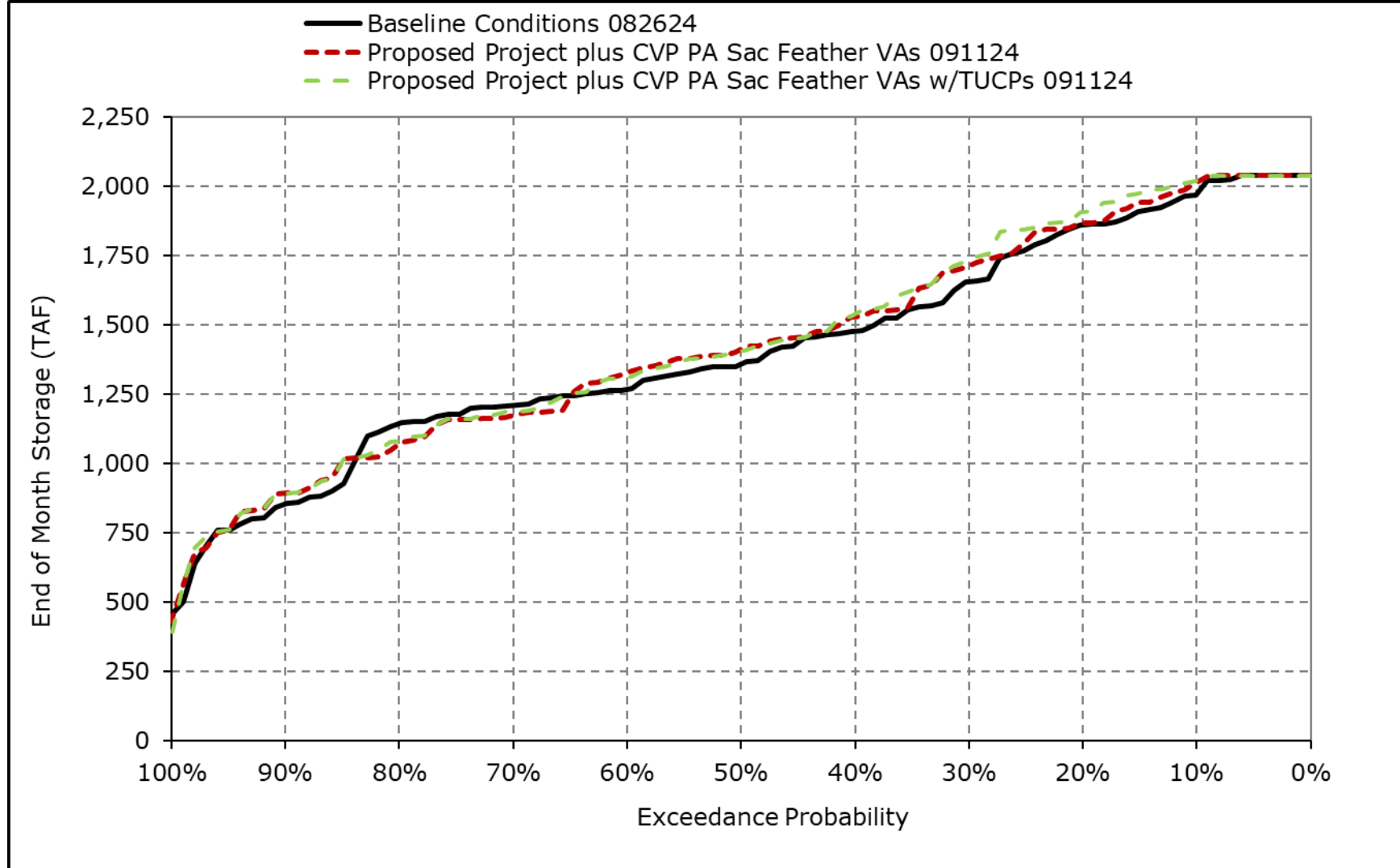
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



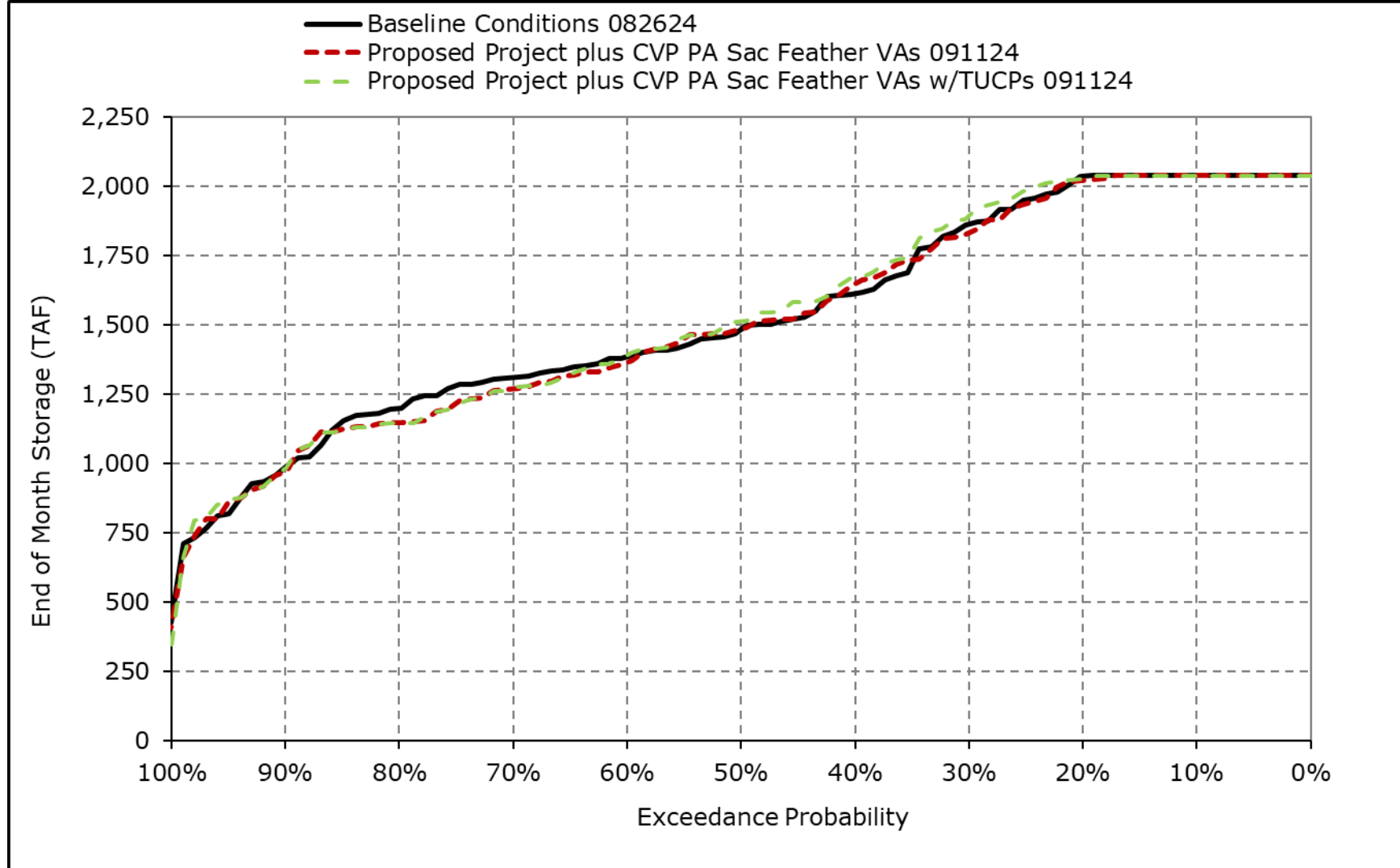
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



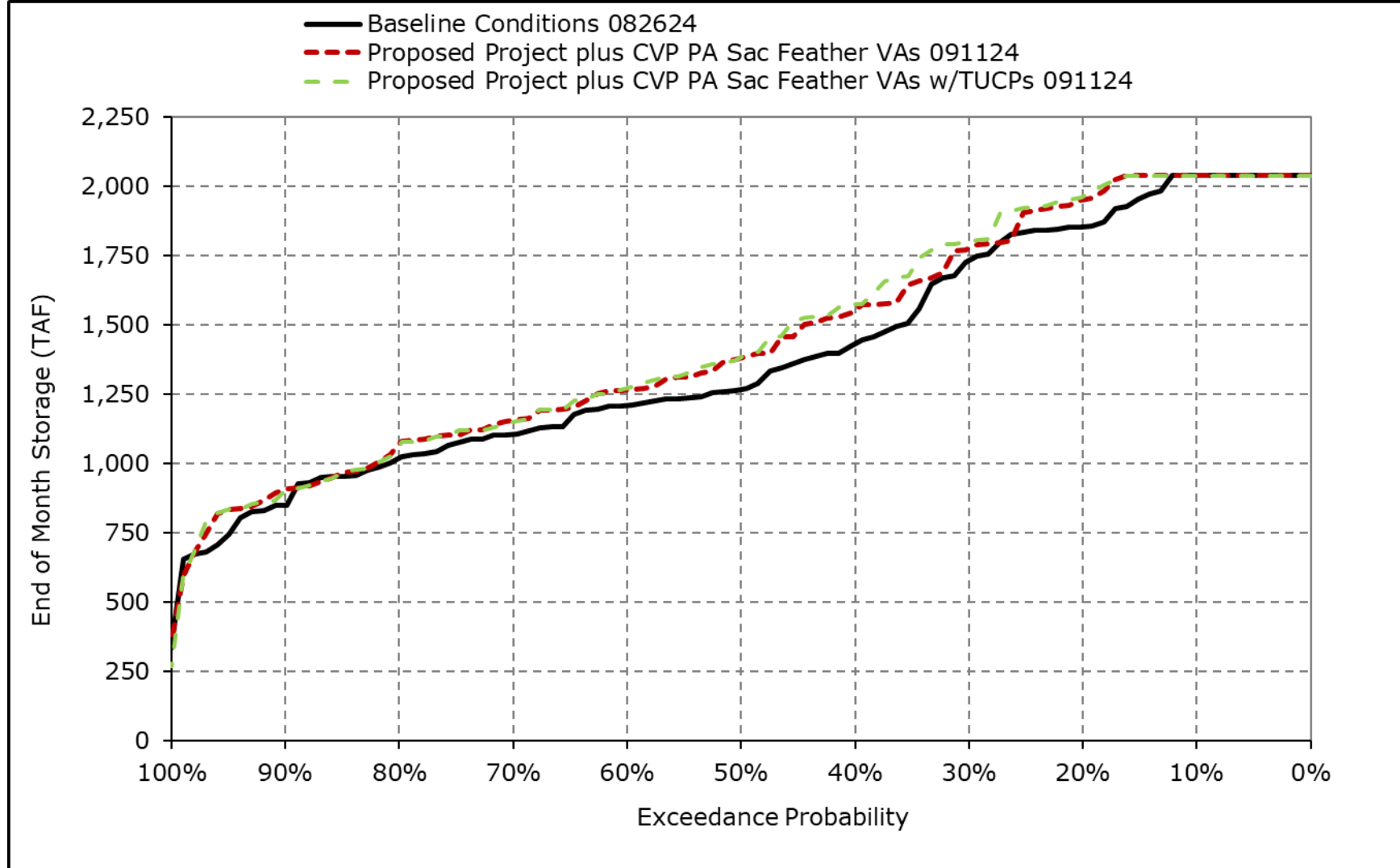
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



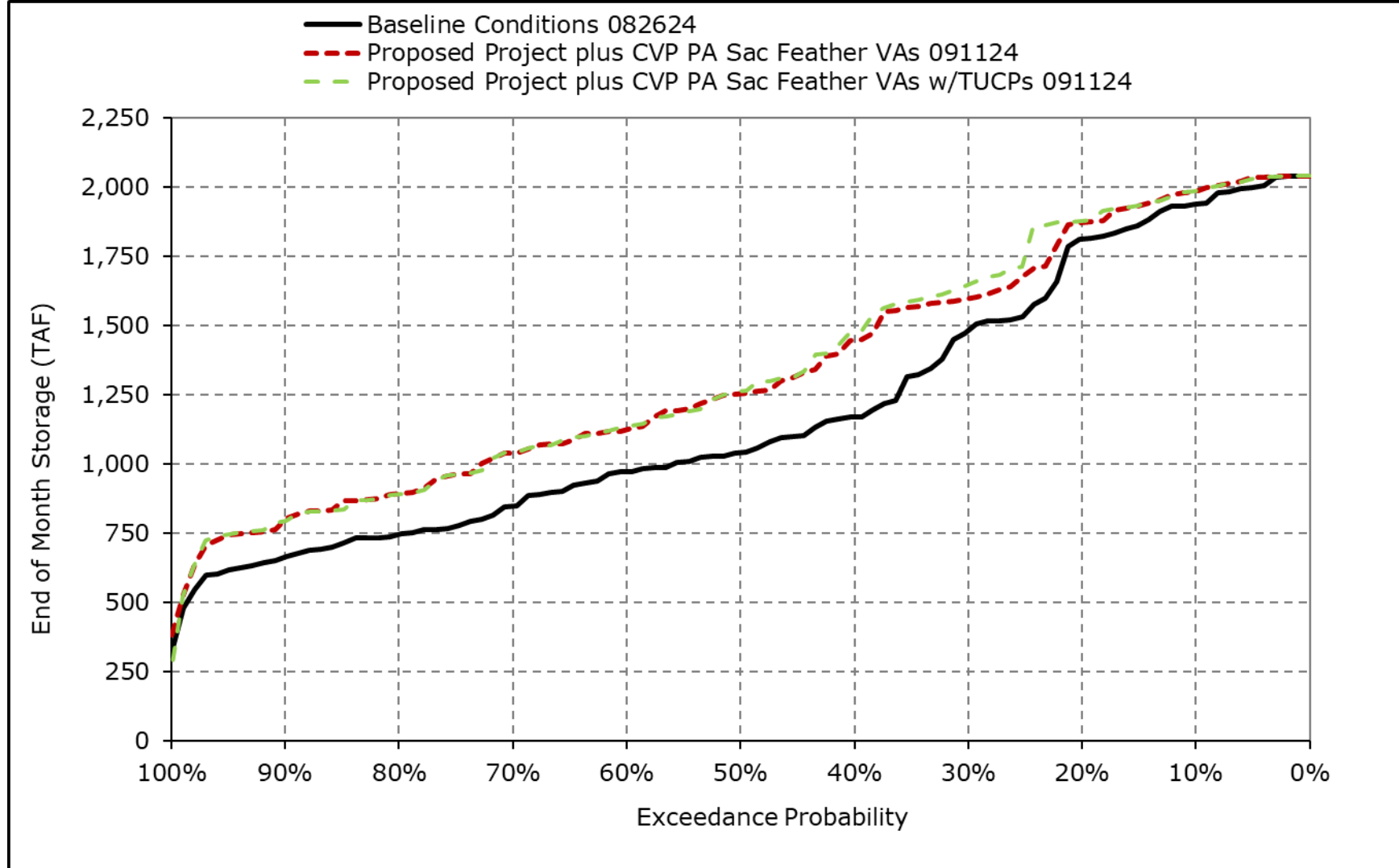
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



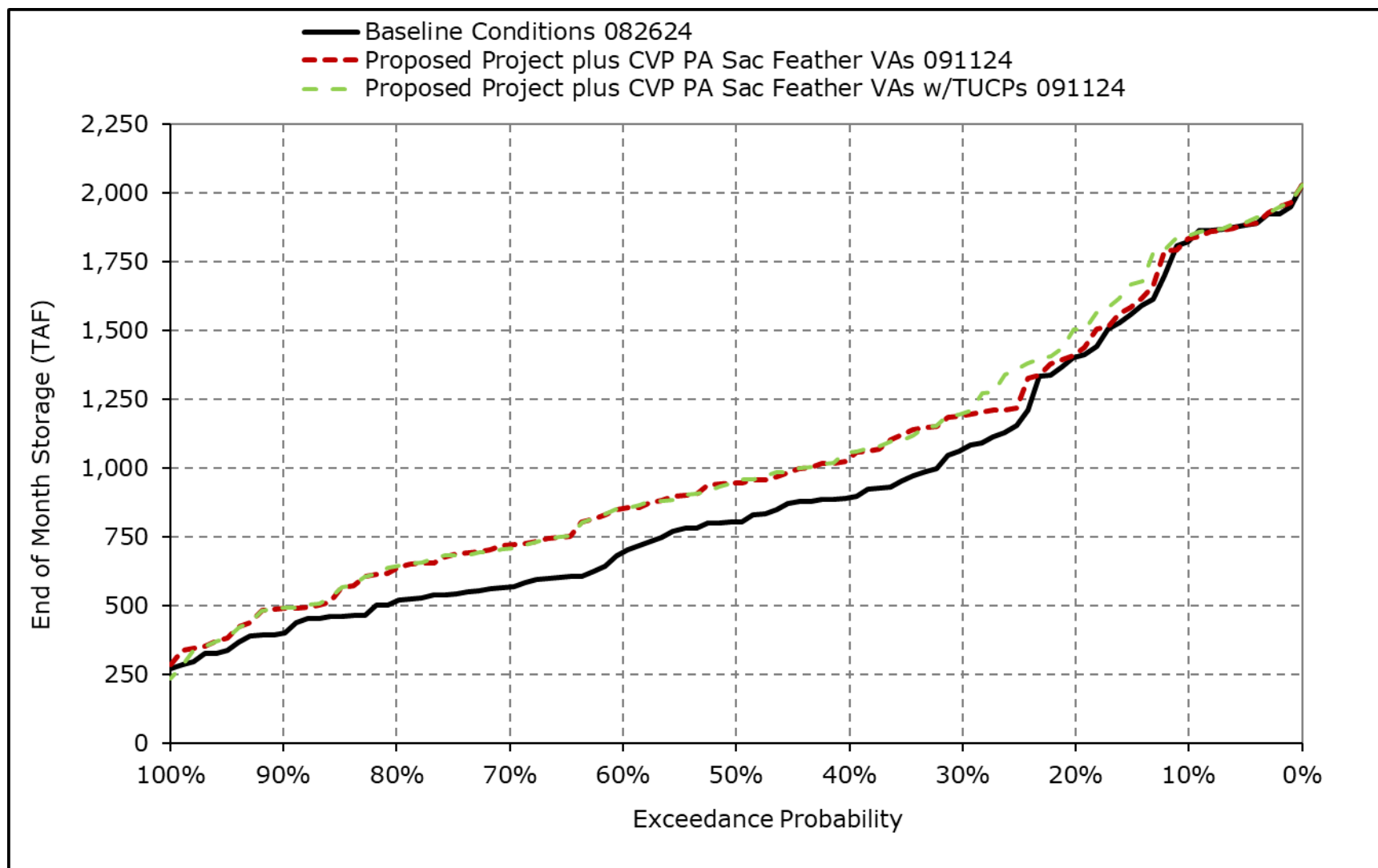
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



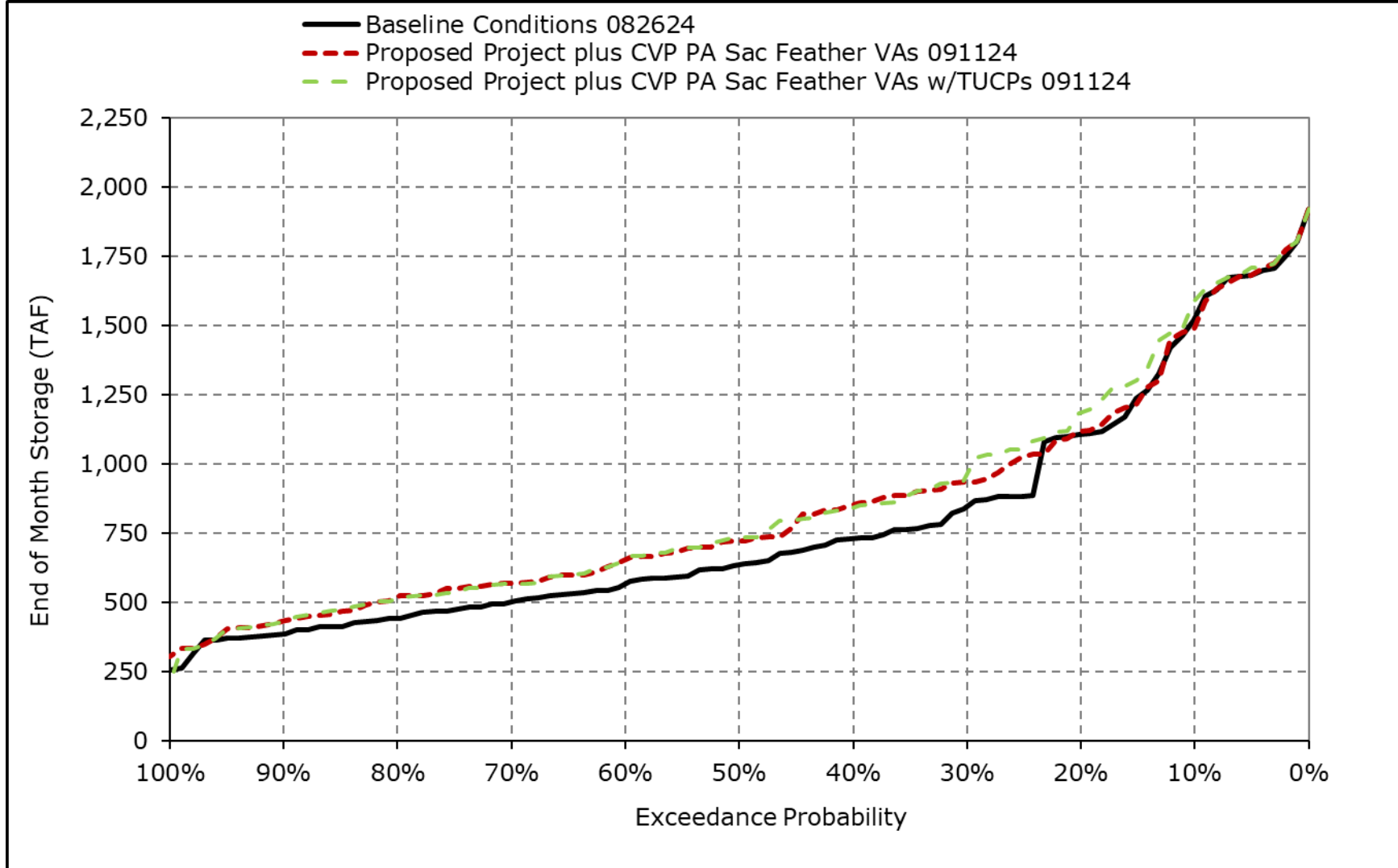
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



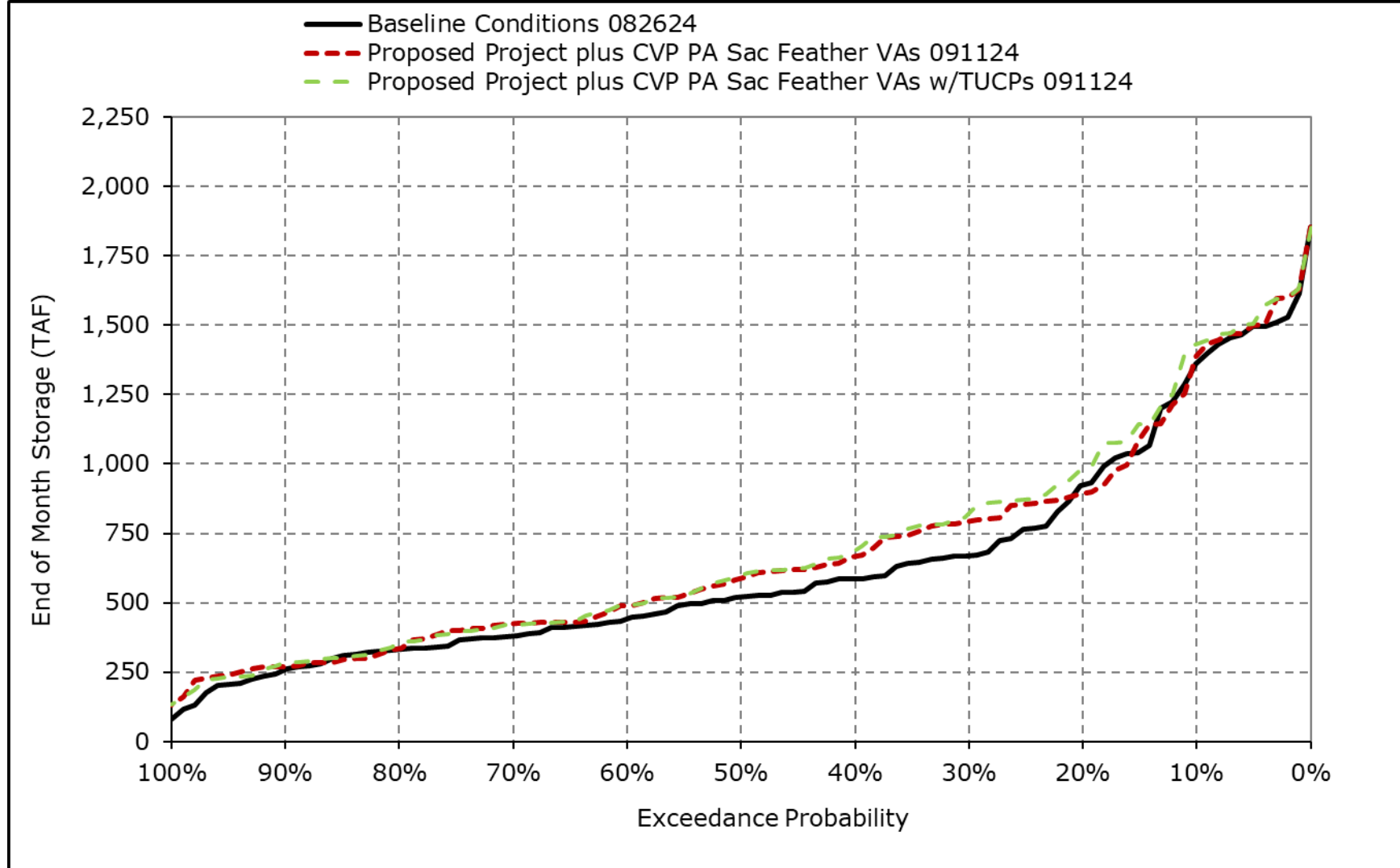
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



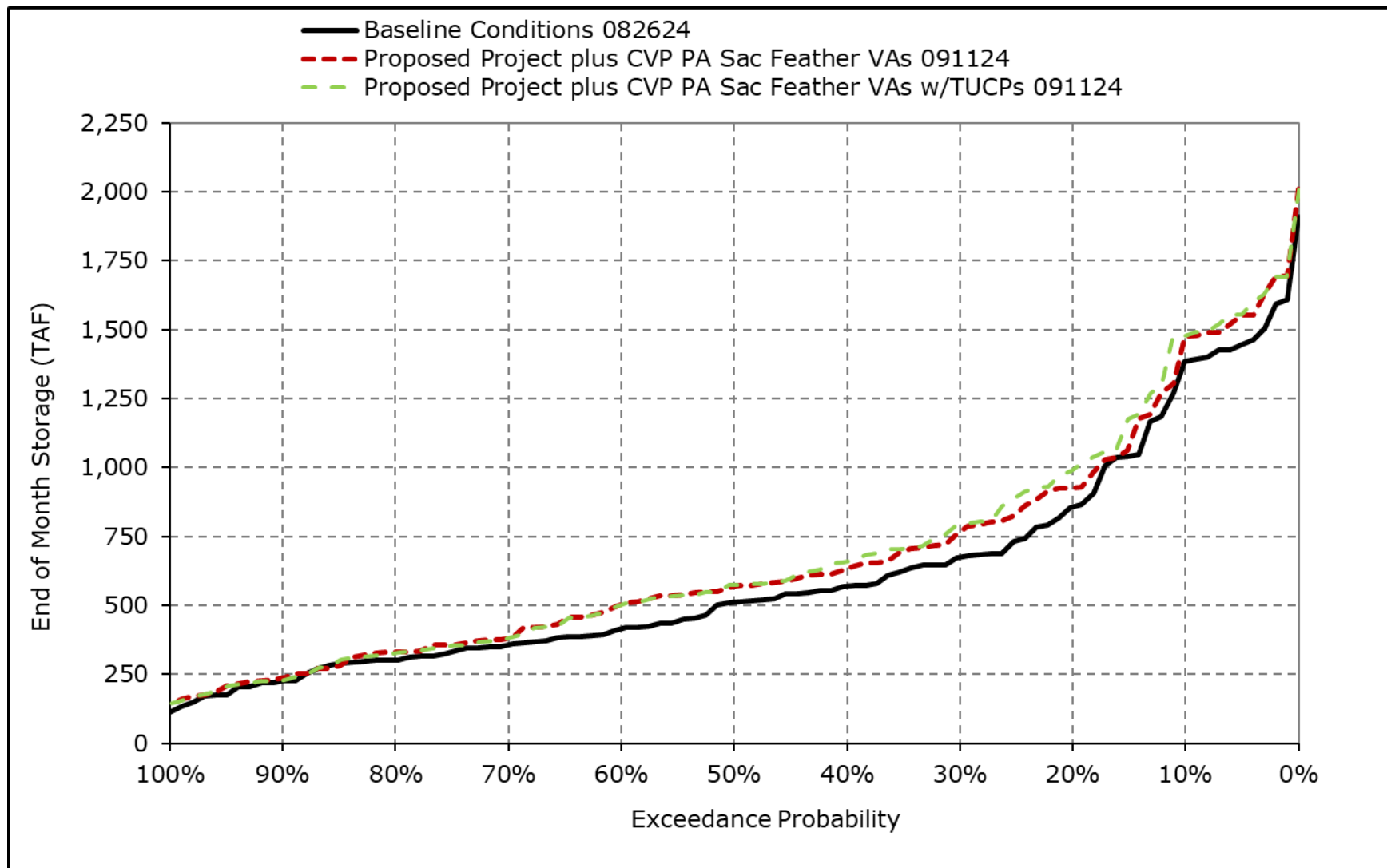
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



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

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



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

Table 4F-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 4F-2-3-1b. San Luis Reservoir (SWP and CVP), Proposed Project plus CVP PA Sac Feather VAs 091124, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	496	515	529	533	542	544	544	540	528	499	490	497
20% Exceedance	455	473	498	510	530	542	537	530	492	464	442	445
30% Exceedance	435	460	481	495	518	527	523	508	471	446	431	428
40% Exceedance	419	444	465	484	502	512	504	495	456	437	417	413
50% Exceedance	409	433	457	475	492	498	489	477	447	423	408	405
60% Exceedance	394	414	447	468	484	487	478	465	438	415	395	397
70% Exceedance	384	407	421	449	469	478	468	457	423	405	386	380
80% Exceedance	372	392	414	439	460	467	459	442	413	399	374	373
90% Exceedance	364	375	404	420	442	450	443	432	396	388	363	357
Full Simulation Period Average ^a	416	436	457	474	491	499	492	482	451	433	413	412
Wet Water Years (32%)	419	446	471	494	516	525	524	515	485	465	454	457
Above Normal Water Years (9%)	418	444	474	493	511	515	504	489	447	428	422	413
Below Normal Water Years (20%)	430	451	467	480	496	500	489	475	436	423	408	407
Dry Water Years (21%)	415	432	450	463	473	481	468	455	426	409	372	370
Critical Water Years (18%)	394	403	420	434	454	464	461	459	441	415	390	388

Table 4F-2-3-1c. San Luis Reservoir (SWP and CVP), Proposed Project plus CVP PA Sac Feather VAs 091124 minus Baseline Conditions 082624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	6	8	6	6	3	0	0	4	1	-3	2	8
20% Exceedance	3	2	6	3	1	-1	8	5	1	1	-3	7
30% Exceedance	11	8	3	1	5	-3	4	10	12	9	14	11
40% Exceedance	5	8	3	3	4	3	11	26	15	13	9	8
50% Exceedance	10	12	6	5	5	0	11	20	15	10	8	7
60% Exceedance	3	7	11	7	6	-2	5	15	17	10	7	12
70% Exceedance	8	7	0	0	-4	-4	5	20	18	8	6	3
80% Exceedance	2	3	3	0	-7	-5	5	16	14	11	1	4
90% Exceedance	11	4	9	8	4	-2	6	15	12	6	2	2
Full Simulation Period Average ^a	7	6	5	3	2	-1	5	14	10	7	5	7
Wet Water Years (32%)	7	6	4	2	1	-1	1	5	1	1	2	8
Above Normal Water Years (9%)	4	6	5	2	0	-5	-1	5	0	1	4	10
Below Normal Water Years (20%)	7	6	6	4	3	-2	11	29	27	20	13	9
Dry Water Years (21%)	6	6	4	3	1	-3	4	16	12	6	3	2
Critical Water Years (18%)	9	8	6	4	3	4	9	15	13	8	6	7

^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 4F-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 4F-2-3-2b. San Luis Reservoir (SWP and CVP), Proposed Project plus CVP PA Sac Feather VAs w/TUCPs 091124, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	500	516	532	533	542	544	544	540	528	507	493	497
20% Exceedance	456	480	501	516	533	543	538	531	500	470	451	452
30% Exceedance	437	466	483	497	519	532	525	512	472	449	434	431
40% Exceedance	420	447	469	485	503	514	506	497	458	436	419	416
50% Exceedance	410	432	457	473	491	500	489	478	448	425	409	406
60% Exceedance	394	414	446	465	482	490	478	465	437	416	395	397
70% Exceedance	384	408	425	453	470	478	467	457	422	405	386	380
80% Exceedance	371	387	414	439	460	467	459	441	414	399	377	373
90% Exceedance	365	374	403	420	441	451	443	431	396	388	366	355
Full Simulation Period Average ^a	417	437	458	475	492	500	493	483	452	434	415	414
Wet Water Years (32%)	419	446	471	494	516	525	524	515	485	465	454	457
Above Normal Water Years (9%)	418	443	475	493	511	516	505	490	448	429	423	413
Below Normal Water Years (20%)	431	452	467	481	496	500	489	475	435	422	408	406
Dry Water Years (21%)	415	432	450	463	473	481	468	455	427	410	373	370
Critical Water Years (18%)	401	408	425	439	457	468	464	462	446	422	399	396

Table 4F-2-3-2c. San Luis Reservoir (SWP and CVP), Proposed Project plus CVP PA Sac Feather VAs w/TUCPs 091124 minus Baseline Conditions 082624, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	9	8	9	6	4	0	0	4	1	5	6	8
20% Exceedance	4	9	9	10	4	-1	9	5	9	8	6	14
30% Exceedance	13	13	6	3	6	2	6	14	12	12	17	13
40% Exceedance	7	12	8	4	5	5	12	28	16	12	12	10
50% Exceedance	11	11	6	4	4	2	11	21	15	12	9	7
60% Exceedance	3	7	10	5	4	1	6	15	17	11	7	12
70% Exceedance	8	9	3	4	-2	-4	4	20	16	8	6	3
80% Exceedance	1	-2	2	1	-6	-5	4	15	15	10	4	4
90% Exceedance	11	4	9	8	4	0	5	15	13	6	5	0
Full Simulation Period Average ^a	8	7	6	4	2	0	6	15	11	8	7	8
Wet Water Years (32%)	7	6	5	2	1	0	1	5	1	1	2	8
Above Normal Water Years (9%)	4	5	6	3	1	-3	0	6	1	2	5	10
Below Normal Water Years (20%)	8	7	6	5	4	-2	11	29	26	20	13	8
Dry Water Years (21%)	6	6	5	3	1	-2	5	17	13	6	3	2
Critical Water Years (18%)	15	13	11	9	7	8	12	18	18	15	15	14

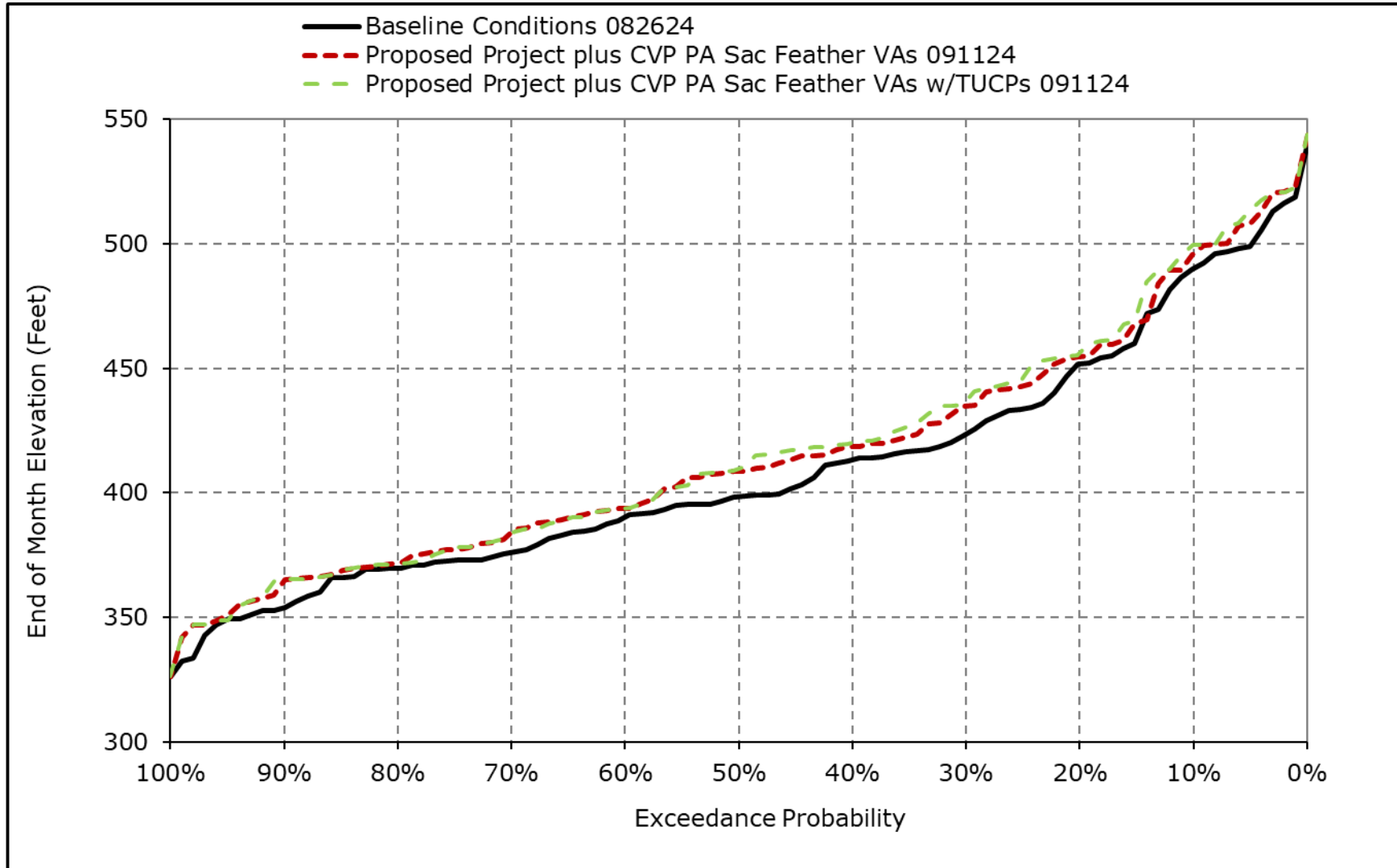
^a Based on the 100-year simulation period.

* 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).

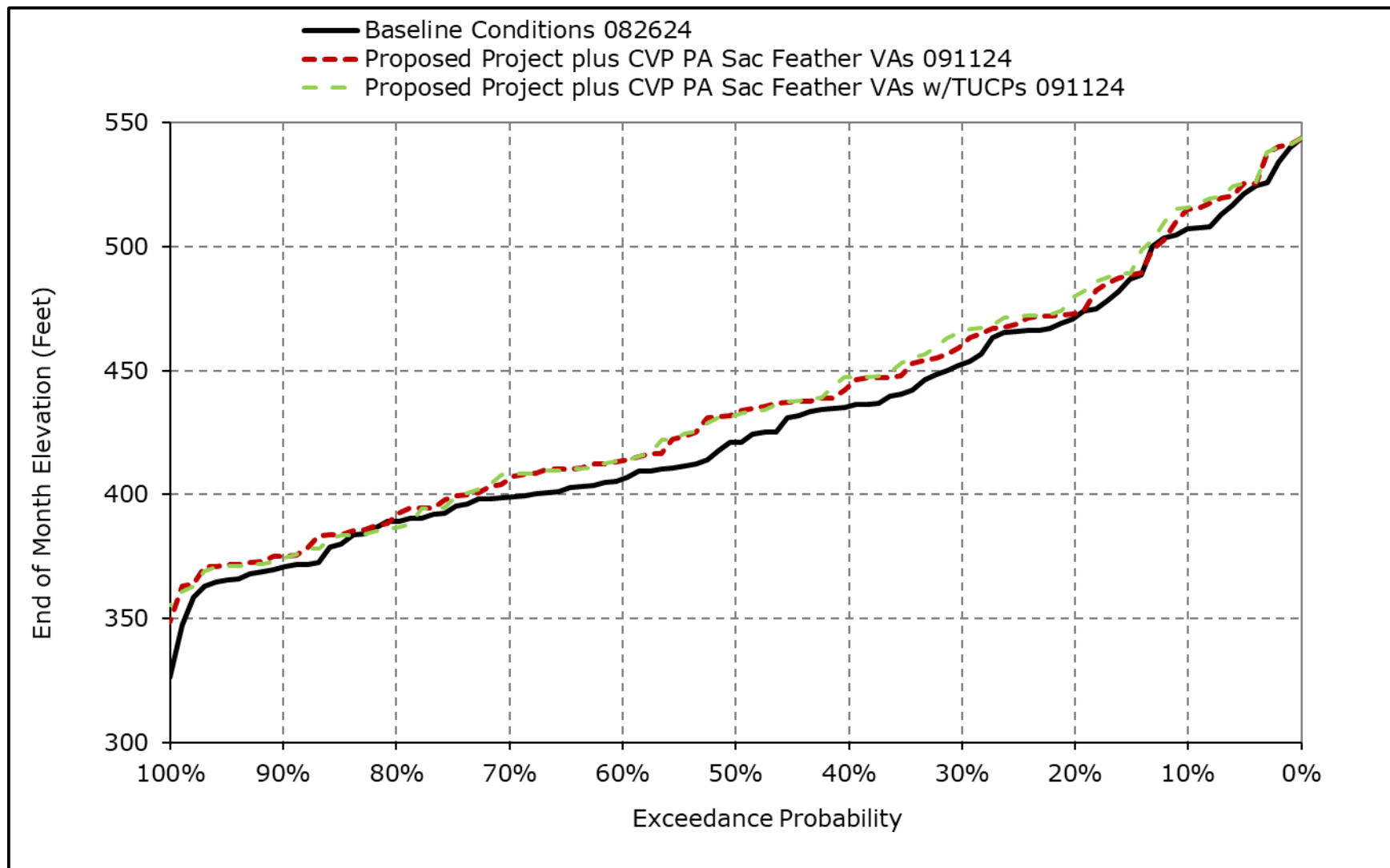
* Water Year Types results are displayed with water year - year type sorting.

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



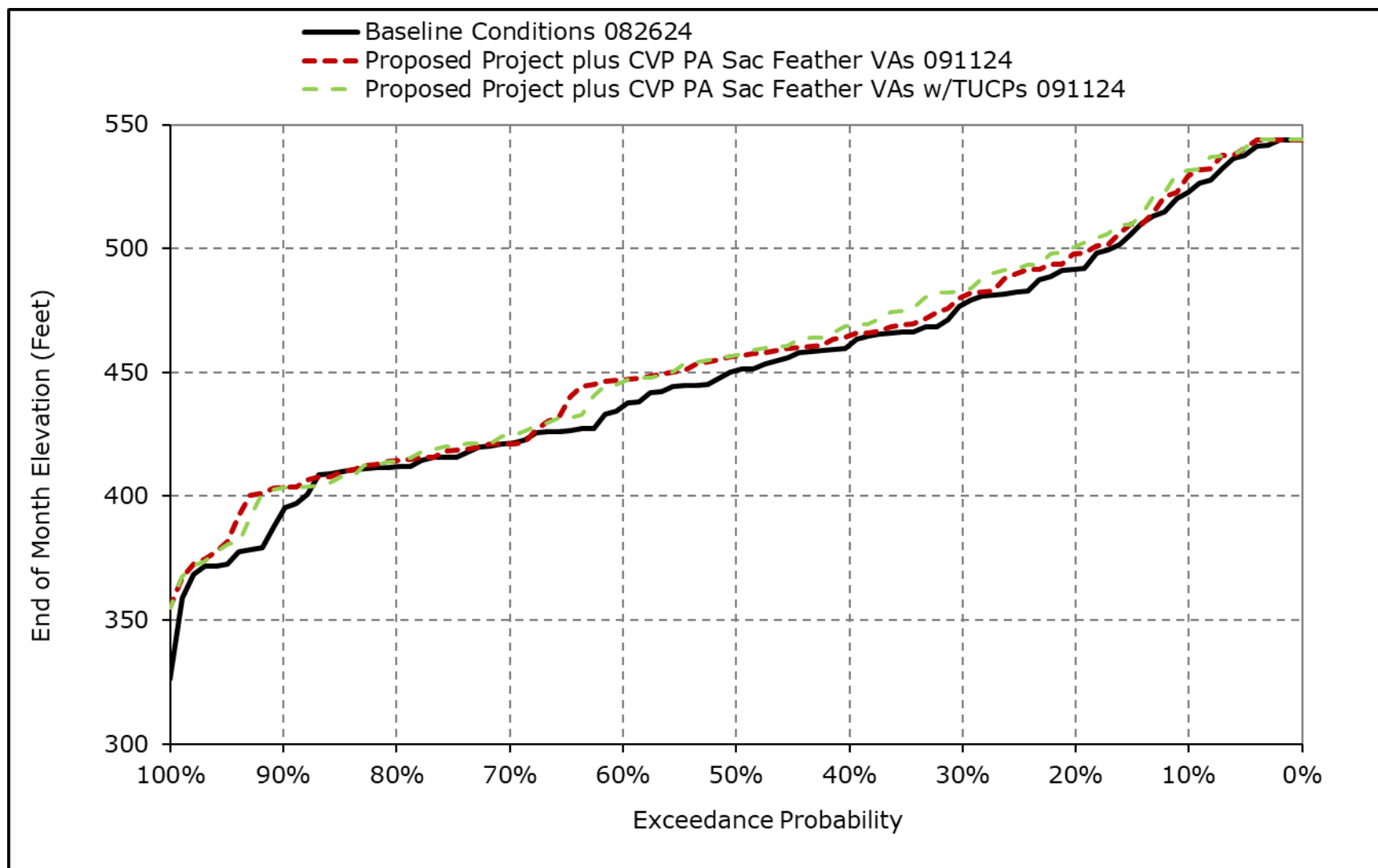
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



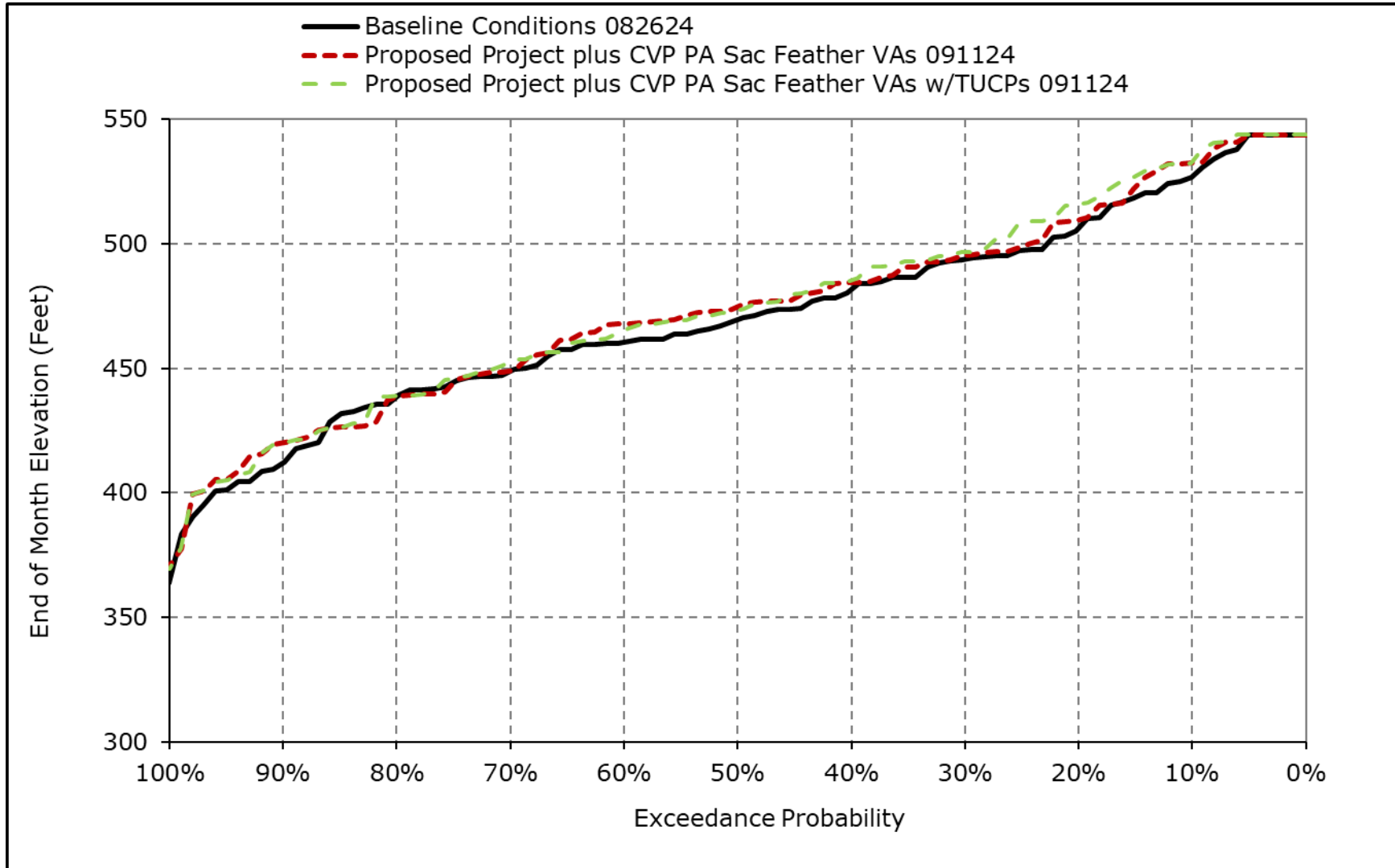
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



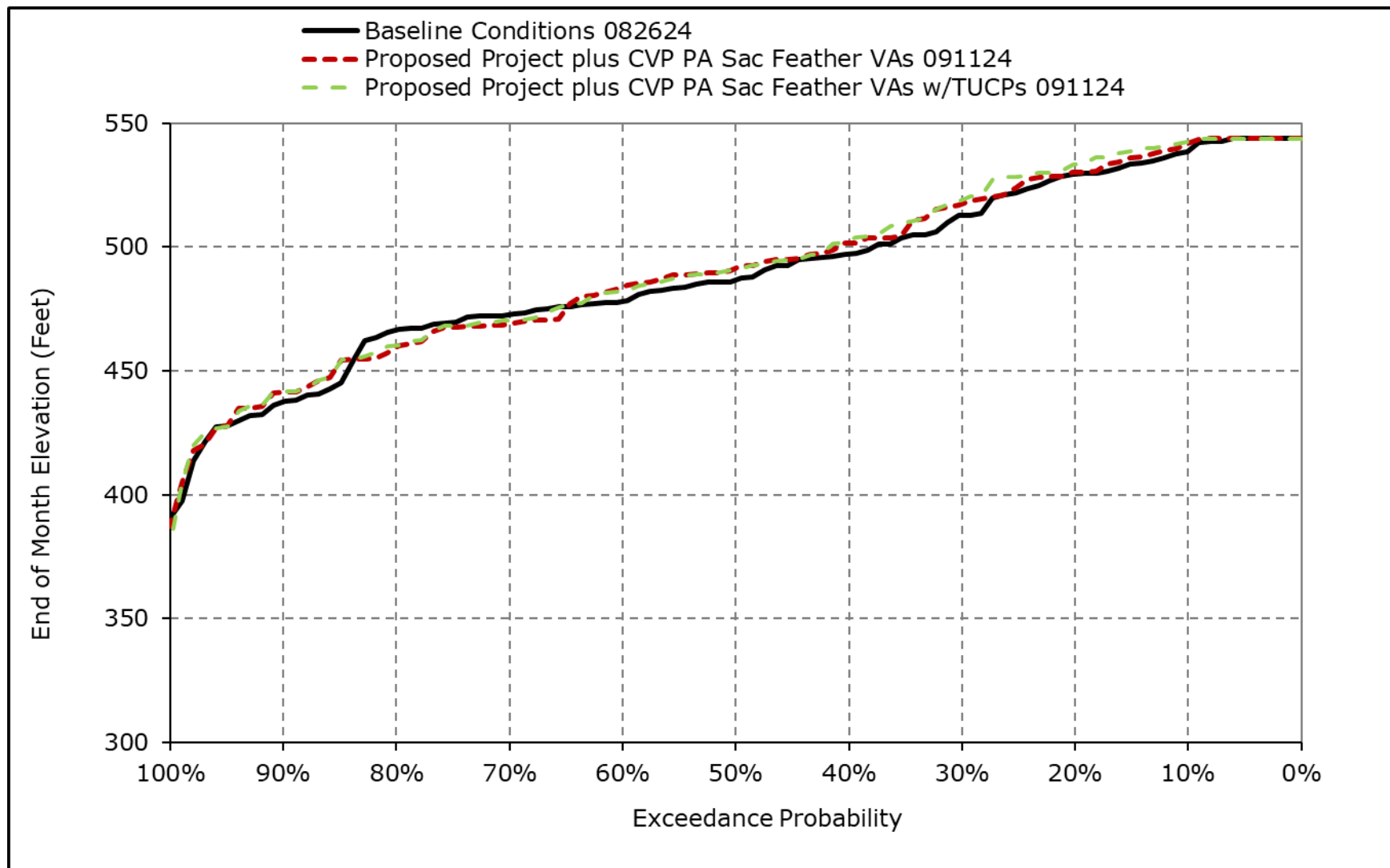
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



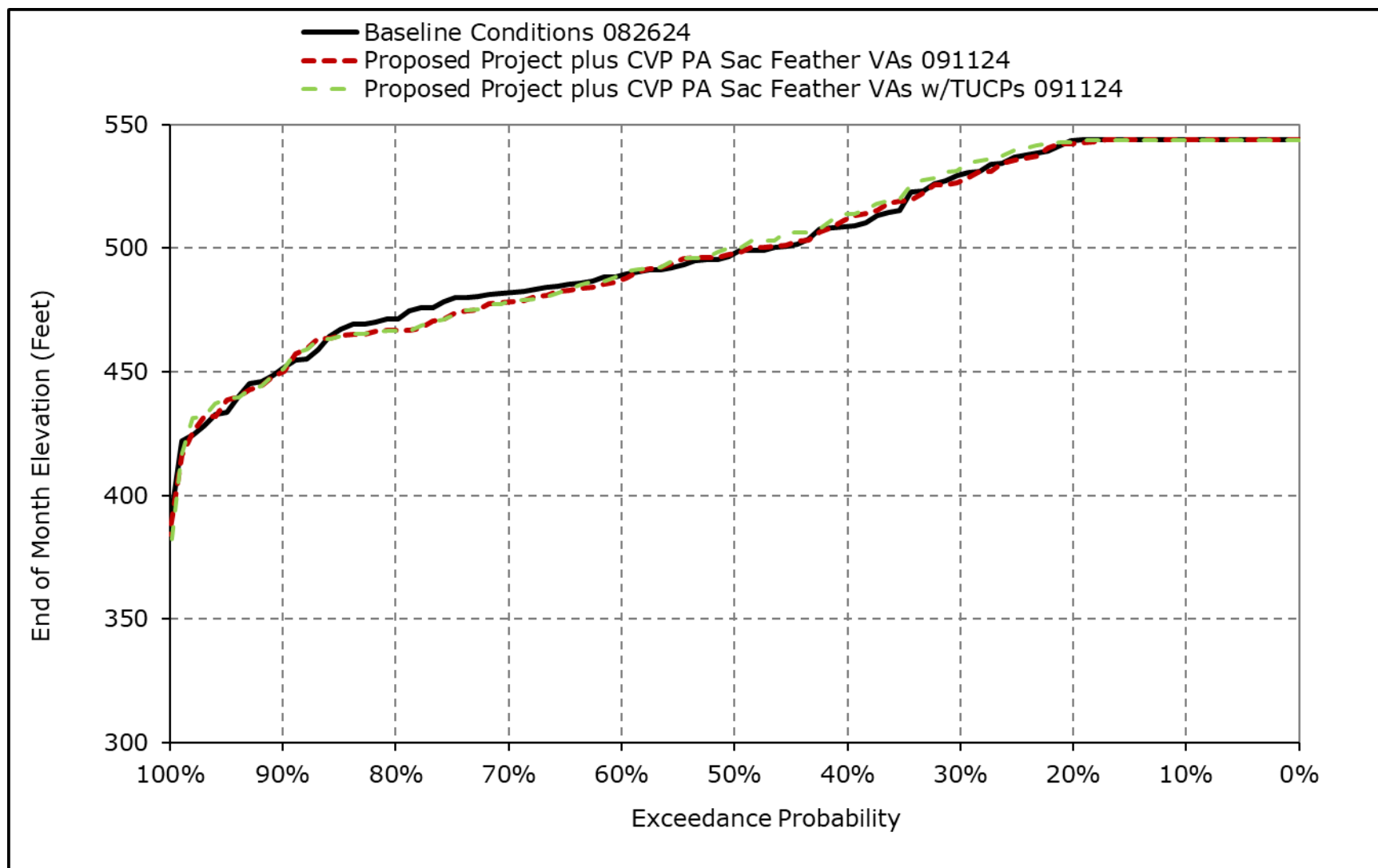
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



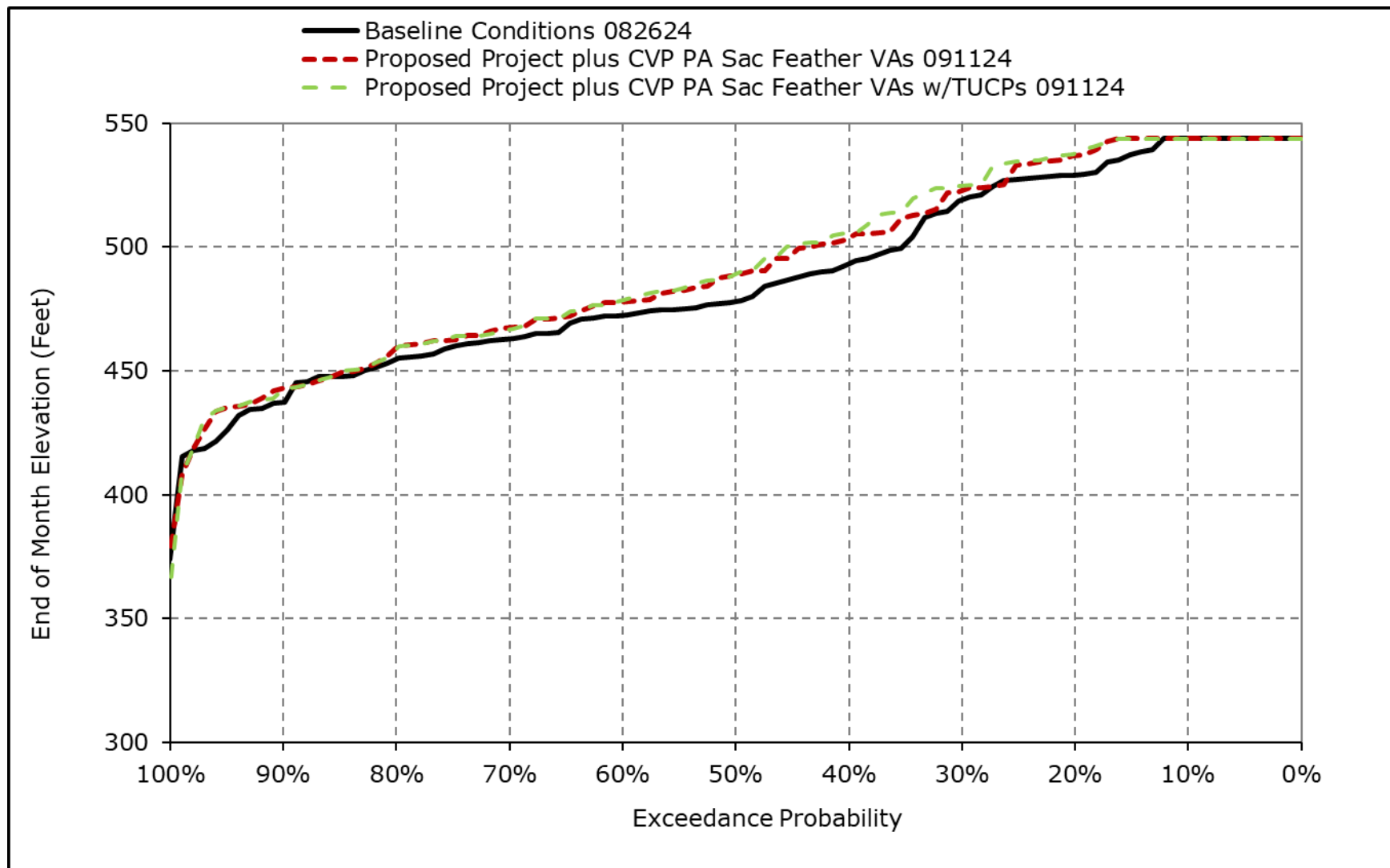
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



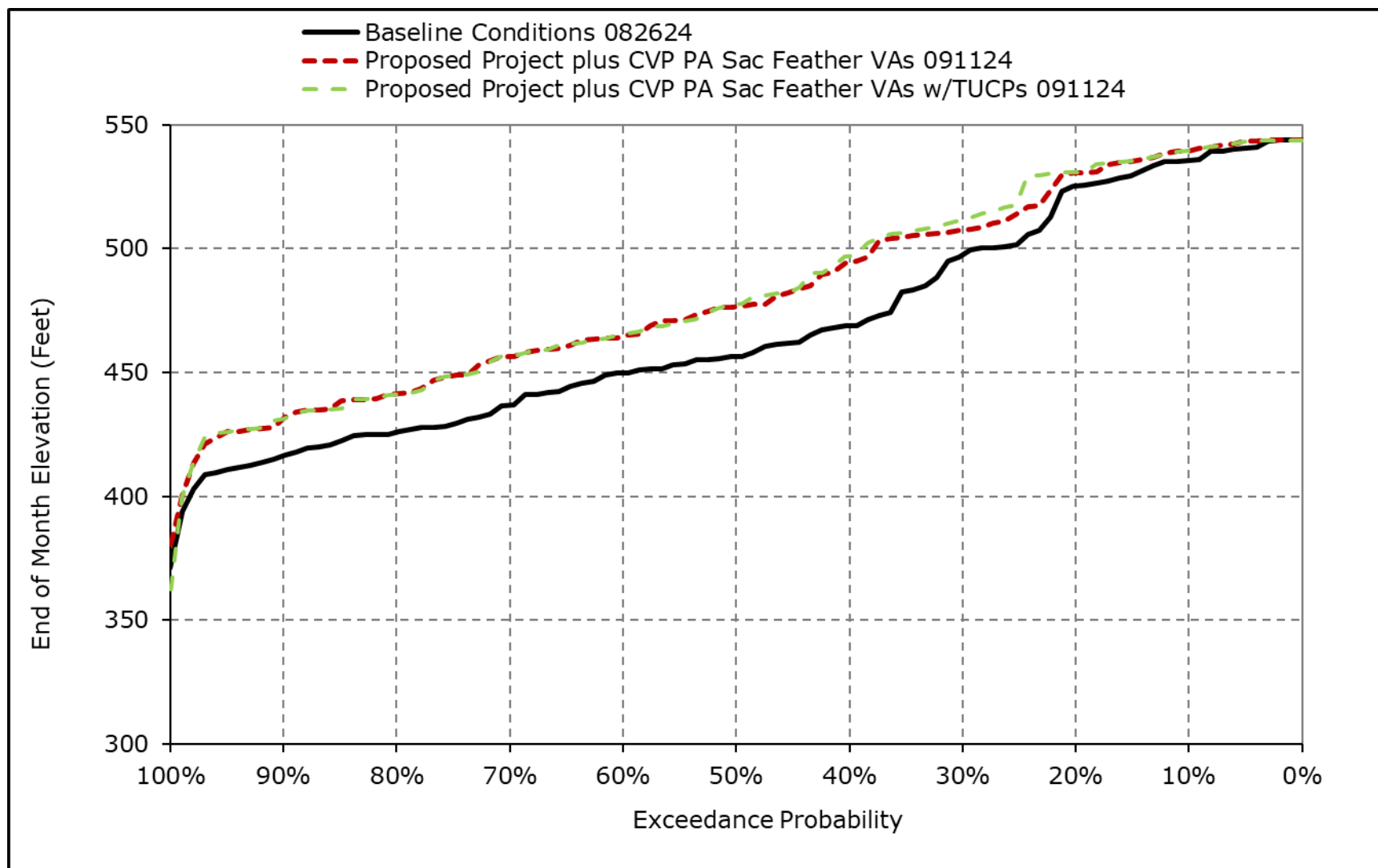
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



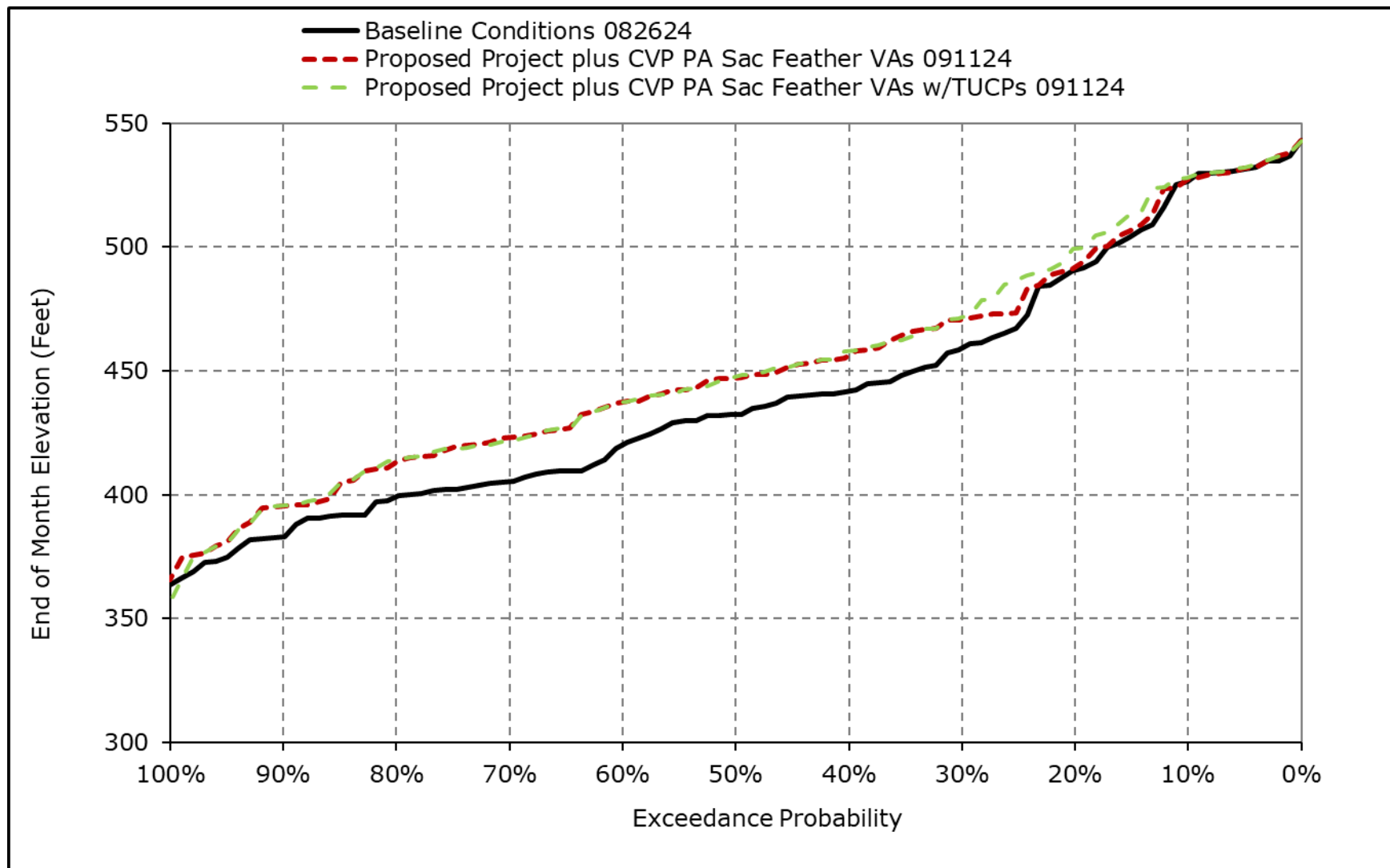
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



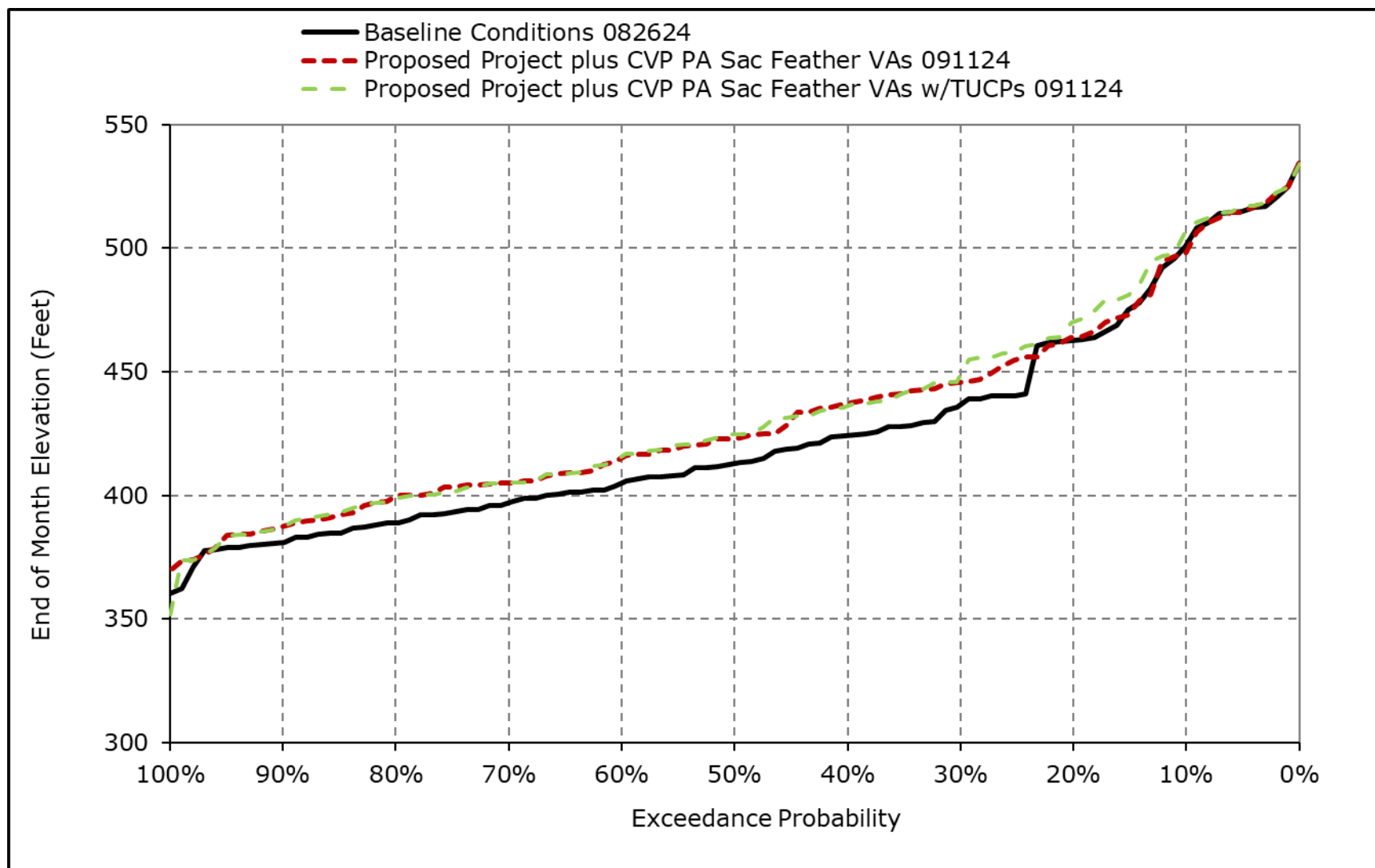
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



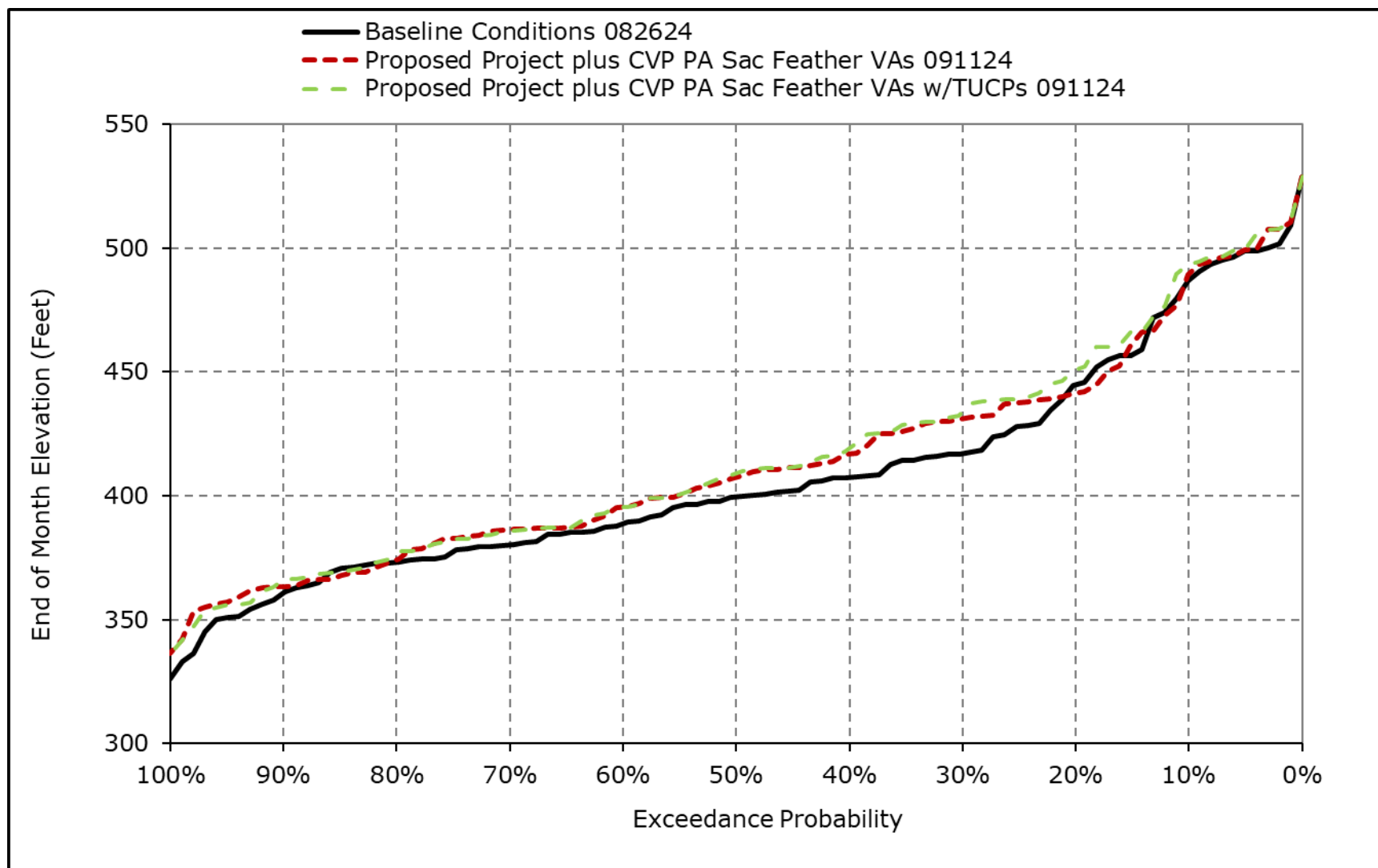
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



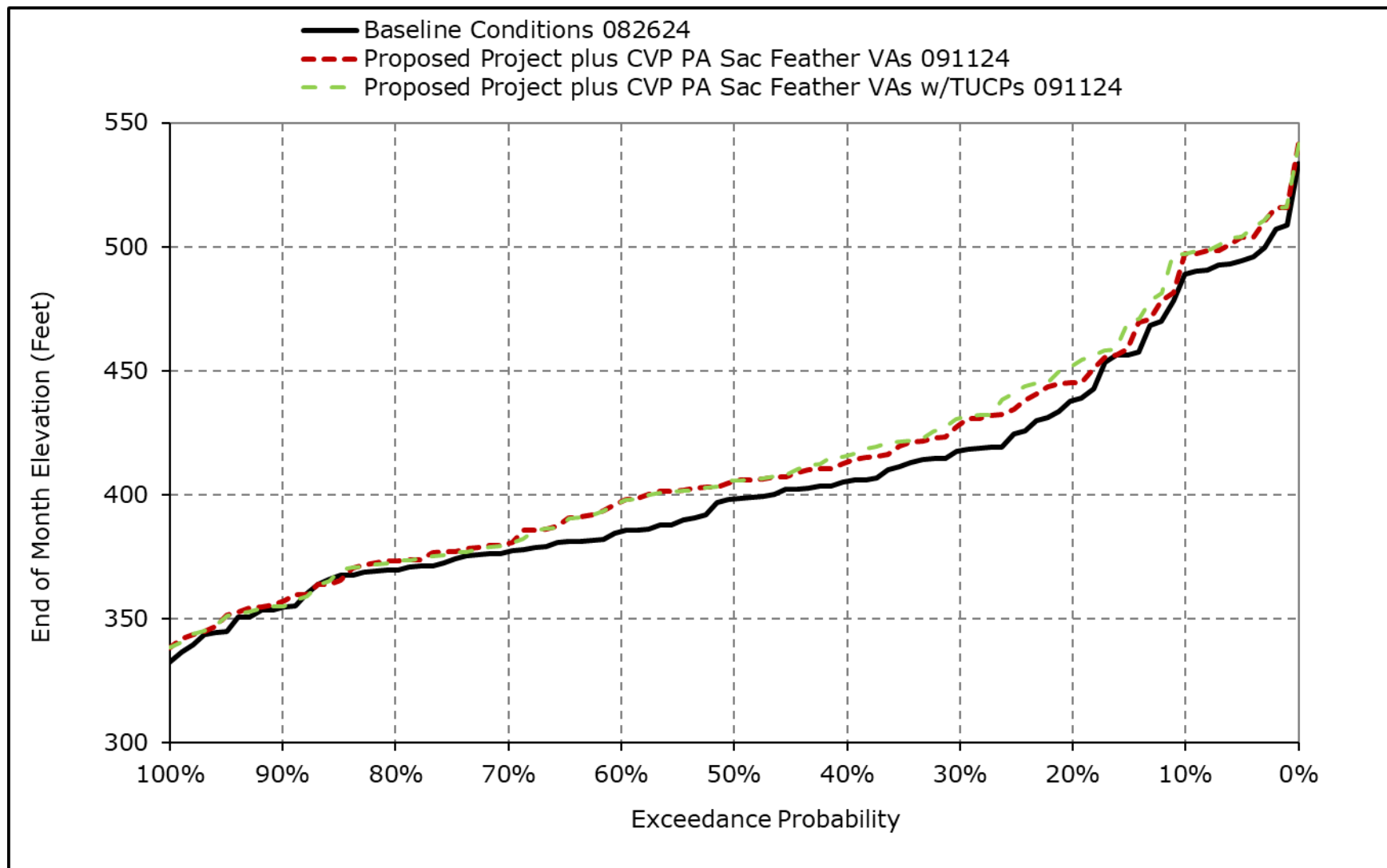
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



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

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



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