

Attachment 2: 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 (Updated) (040424)
- Alternative 1 plus CVP Proposed Action, Sacramento and Feather River VAs (102023)
- Alternative 1 plus CVP Proposed Action, Sacramento and Feather River VAs, includes TUCPs (102023)

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 (Updated) 040424, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	723	818	1,011	1,010	1,067	1,067	1,067	947	860	829	807	725
20% Exceedance	624	750	829	852	1,009	1,067	965	867	687	653	664	624
30% Exceedance	535	671	725	741	868	981	920	740	548	549	560	553
40% Exceedance	478	550	639	700	775	804	741	628	474	472	480	494
50% Exceedance	380	467	573	656	702	737	626	508	397	412	412	393
60% Exceedance	314	388	499	574	653	673	575	436	307	382	373	347
70% Exceedance	266	284	433	534	588	596	533	388	238	319	336	291
80% Exceedance	207	222	329	436	479	520	436	304	192	273	309	243
90% Exceedance	157	144	187	324	373	423	339	215	78	221	261	200
Full Simulation Period Average^a	420	488	581	638	716	755	684	566	428	470	476	442
Wet Water Years (30%)	510	624	723	776	879	931	914	807	665	678	668	636
Above Normal Water Years (11%)	415	504	617	685	781	822	707	568	401	468	547	523
Below Normal Water Years (21%)	459	533	624	665	708	732	608	445	271	367	456	470
Dry Water Years (22%)	403	453	541	581	620	648	553	423	295	376	331	254
Critical Water Years (16%)	227	211	290	388	506	553	519	469	389	345	291	242

Table 4F-2-1-1b. San Luis SWP Storage, Alternative 1 plus CVP PA Sac Feather VAs 102023, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	840	940	1,067	1,067	1,067	1,067	1,067	1,053	914	878	849	888
20% Exceedance	711	835	969	922	1,062	1,067	1,014	935	707	739	756	721
30% Exceedance	582	734	783	800	862	991	893	882	668	597	611	634
40% Exceedance	495	595	686	714	805	807	753	696	490	531	541	591
50% Exceedance	449	484	610	661	740	736	650	527	424	445	470	473
60% Exceedance	340	406	547	589	684	690	593	502	347	411	419	370
70% Exceedance	280	321	452	548	595	627	563	442	285	355	375	298
80% Exceedance	232	245	359	453	491	479	424	357	233	315	316	252
90% Exceedance	173	154	189	306	400	392	302	233	93	231	276	230
Full Simulation Period Average^a	469	531	618	662	729	751	695	621	473	510	519	502
Wet Water Years (30%)	561	668	749	786	887	933	923	883	726	732	734	760
Above Normal Water Years (11%)	464	549	676	736	805	820	734	643	444	510	584	599
Below Normal Water Years (21%)	509	580	679	705	737	733	638	532	346	432	511	506
Dry Water Years (22%)	453	498	579	605	631	635	545	434	318	399	364	282
Critical Water Years (16%)	266	240	309	403	504	549	523	485	397	350	295	246

Table 4F-2-1-1c. San Luis SWP Storage, Alternative 1 plus CVP PA Sac Feather VAs 102023 minus Baseline Conditions (Updated) 040424, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	117	122	56	57	0	0	0	106	54	49	42	162
20% Exceedance	88	85	140	70	53	0	49	68	19	86	92	96
30% Exceedance	47	62	58	59	-7	10	-27	142	119	47	51	81
40% Exceedance	16	45	47	14	30	3	12	68	17	59	60	96
50% Exceedance	69	16	37	5	38	-1	24	19	26	33	57	80
60% Exceedance	26	18	48	15	31	17	18	67	40	29	47	23
70% Exceedance	13	38	18	14	7	31	30	54	47	35	39	7
80% Exceedance	25	23	30	16	12	-41	-12	53	41	42	7	9
90% Exceedance	16	10	2	-18	27	-30	-37	18	15	10	15	31
Full Simulation Period Average^a	48	43	37	25	13	-3	11	54	45	41	43	60
Wet Water Years (30%)	51	44	25	10	8	1	9	75	61	54	66	124
Above Normal Water Years (11%)	49	46	59	51	25	-2	26	75	43	42	37	76
Below Normal Water Years (21%)	50	47	56	40	29	1	30	88	74	66	55	36
Dry Water Years (22%)	50	45	38	24	11	-13	-8	11	24	23	33	28
Critical Water Years (16%)	39	29	19	14	-3	-4	4	16	8	5	4	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 4F-2-1-2a. San Luis SWP Storage, Baseline Conditions (Updated) 040424, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	723	818	1,011	1,010	1,067	1,067	1,067	947	860	829	807	725
20% Exceedance	624	750	829	852	1,009	1,067	965	867	687	653	664	624
30% Exceedance	535	671	725	741	868	981	920	740	548	549	560	553
40% Exceedance	478	550	639	700	775	804	741	628	474	472	480	494
50% Exceedance	380	467	573	656	702	737	626	508	397	412	412	393
60% Exceedance	314	388	499	574	653	673	575	436	307	382	373	347
70% Exceedance	266	284	433	534	588	596	533	388	238	319	336	291
80% Exceedance	207	222	329	436	479	520	436	304	192	273	309	243
90% Exceedance	157	144	187	324	373	423	339	215	78	221	261	200
Full Simulation Period Average^a	420	488	581	638	716	755	684	566	428	470	476	442
Wet Water Years (30%)	510	624	723	776	879	931	914	807	665	678	668	636
Above Normal Water Years (11%)	415	504	617	685	781	822	707	568	401	468	547	523
Below Normal Water Years (21%)	459	533	624	665	708	732	608	445	271	367	456	470
Dry Water Years (22%)	403	453	541	581	620	648	553	423	295	376	331	254
Critical Water Years (16%)	227	211	290	388	506	553	519	469	389	345	291	242

Table 4F-2-1-2b. San Luis SWP Storage, Alternative 1 plus CVP PA Sac Feather VAs w/TUCPs 102023, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	840	940	1,067	1,067	1,067	1,067	1,067	1,052	921	878	849	888
20% Exceedance	711	835	972	943	1,067	1,067	1,014	937	710	739	756	721
30% Exceedance	582	734	784	805	874	1,011	931	885	660	609	611	634
40% Exceedance	493	595	686	715	804	823	780	695	490	525	545	591
50% Exceedance	450	483	617	663	749	742	651	533	434	444	475	477
60% Exceedance	358	414	563	616	693	691	591	506	343	411	419	383
70% Exceedance	278	331	456	547	582	625	557	430	286	354	370	311
80% Exceedance	215	243	365	432	478	489	431	360	237	283	313	251
90% Exceedance	168	167	192	309	399	392	304	224	89	225	243	220
Full Simulation Period Average^a	469	533	622	666	731	754	697	622	474	508	514	498
Wet Water Years (30%)	561	667	747	785	887	932	923	882	725	732	734	760
Above Normal Water Years (11%)	458	544	678	737	806	822	738	647	447	514	587	601
Below Normal Water Years (21%)	527	599	699	723	746	739	644	538	350	436	514	518
Dry Water Years (22%)	445	492	576	603	629	632	541	431	315	398	366	283
Critical Water Years (16%)	263	247	310	405	507	559	527	491	404	331	255	204

Table 4F-2-1-2c. San Luis SWP Storage, Alternative 1 plus CVP PA Sac Feather VAs w/TUCPs 102023 minus Baseline Conditions (Updated) 040424, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	117	122	56	57	0	0	0	105	61	48	42	163
20% Exceedance	88	85	143	90	58	0	49	70	23	86	92	96
30% Exceedance	47	62	59	64	6	30	11	145	111	60	51	81
40% Exceedance	15	45	47	15	29	19	39	68	16	53	64	96
50% Exceedance	70	16	44	7	46	5	24	25	37	31	63	84
60% Exceedance	44	26	64	42	40	17	16	70	36	29	46	36
70% Exceedance	12	48	23	13	-6	29	23	43	48	35	35	19
80% Exceedance	8	21	35	-4	-1	-31	-5	56	45	10	3	8
90% Exceedance	11	22	6	-15	26	-31	-36	9	11	4	-19	21
Full Simulation Period Average^a	49	46	41	28	15	-1	12	56	46	38	38	56
Wet Water Years (30%)	51	43	24	9	8	1	9	75	60	54	66	124
Above Normal Water Years (11%)	43	40	61	52	26	0	31	79	46	46	40	77
Below Normal Water Years (21%)	68	66	75	58	39	7	36	94	78	69	58	48
Dry Water Years (22%)	42	39	35	22	9	-17	-12	8	20	22	34	29
Critical Water Years (16%)	36	36	20	16	0	6	8	22	15	-14	-36	-38

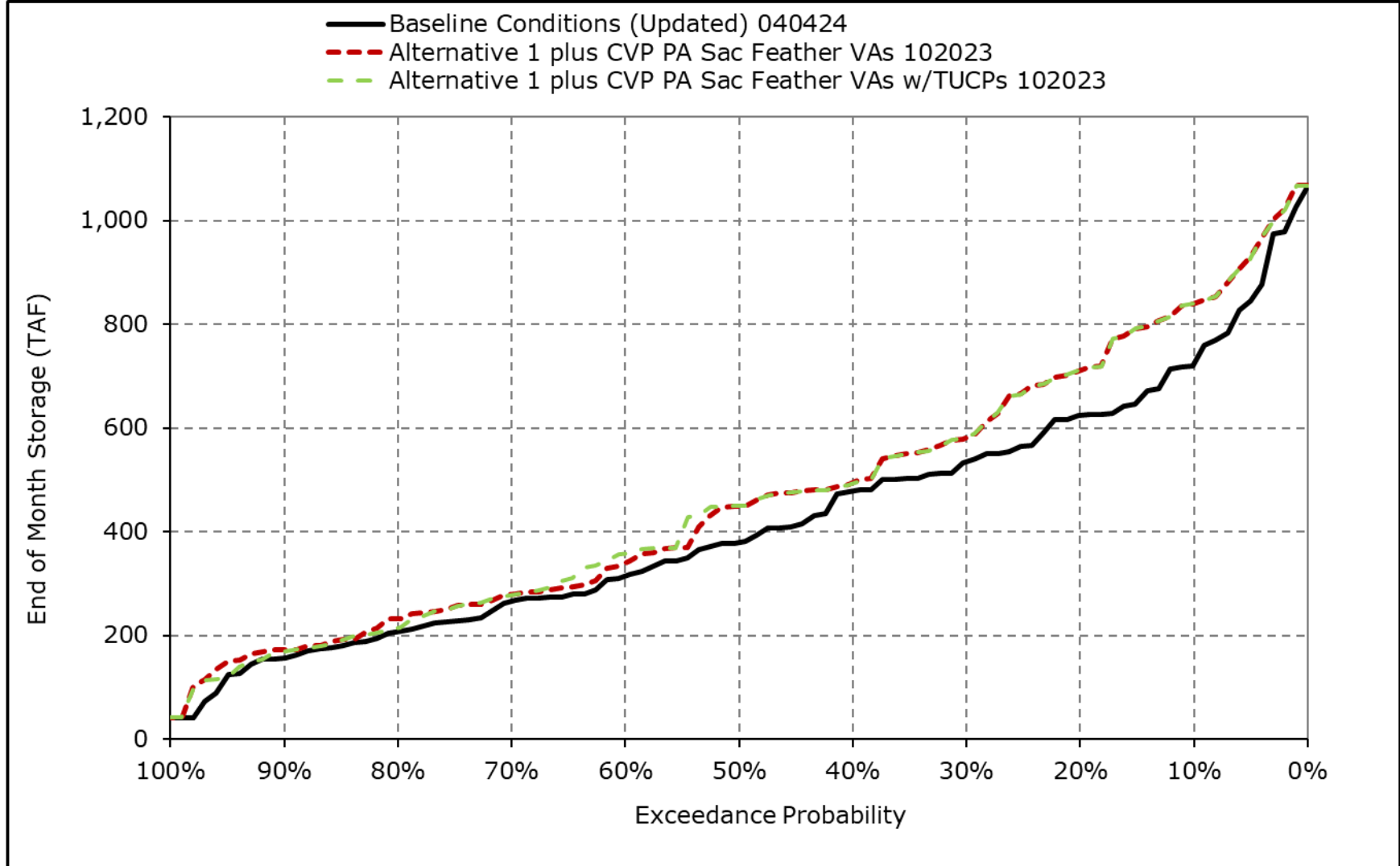
^a Based on the 100-year simulation period.

* 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).

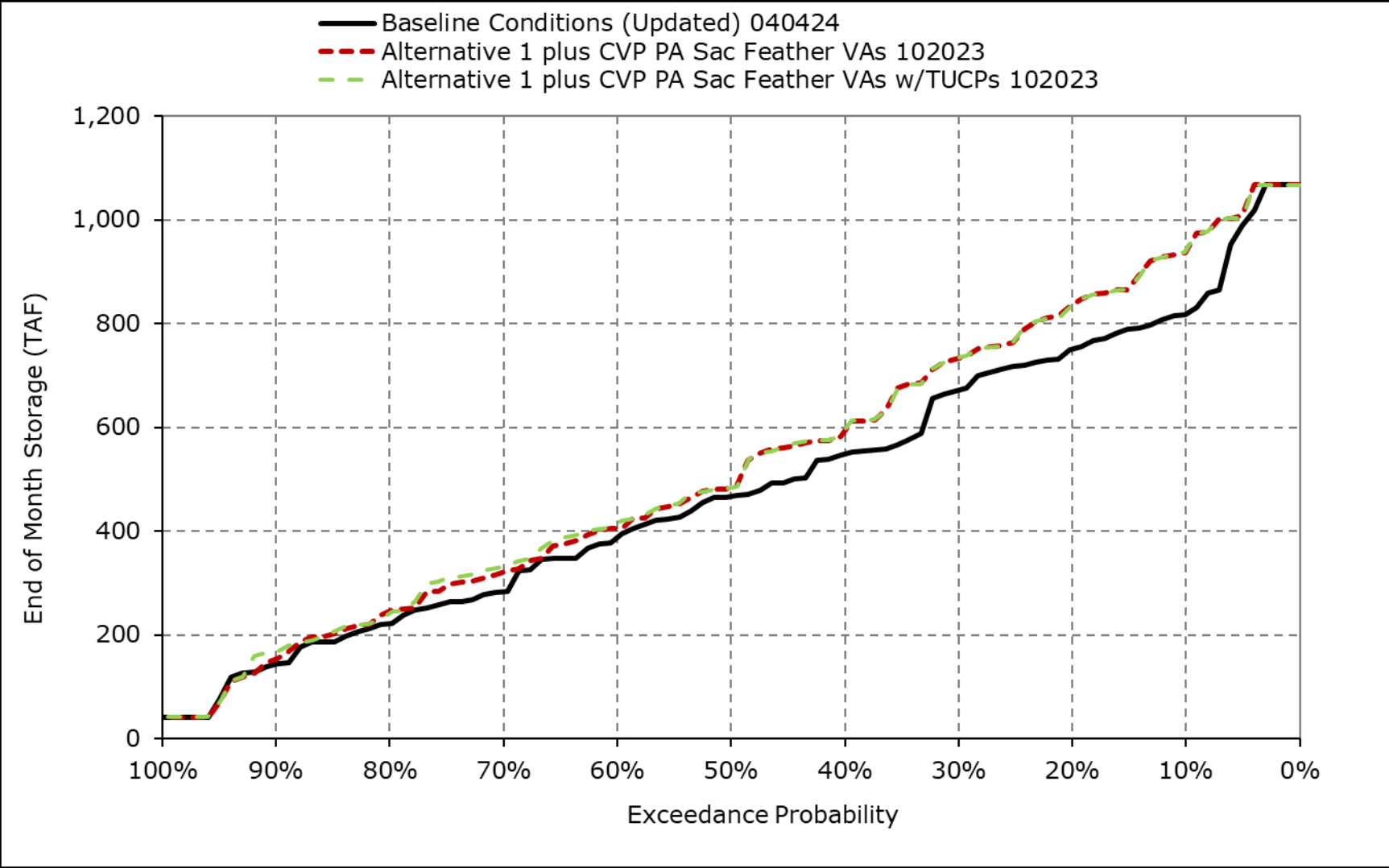
* Water Year Types results are displayed with water year - year type sorting.

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



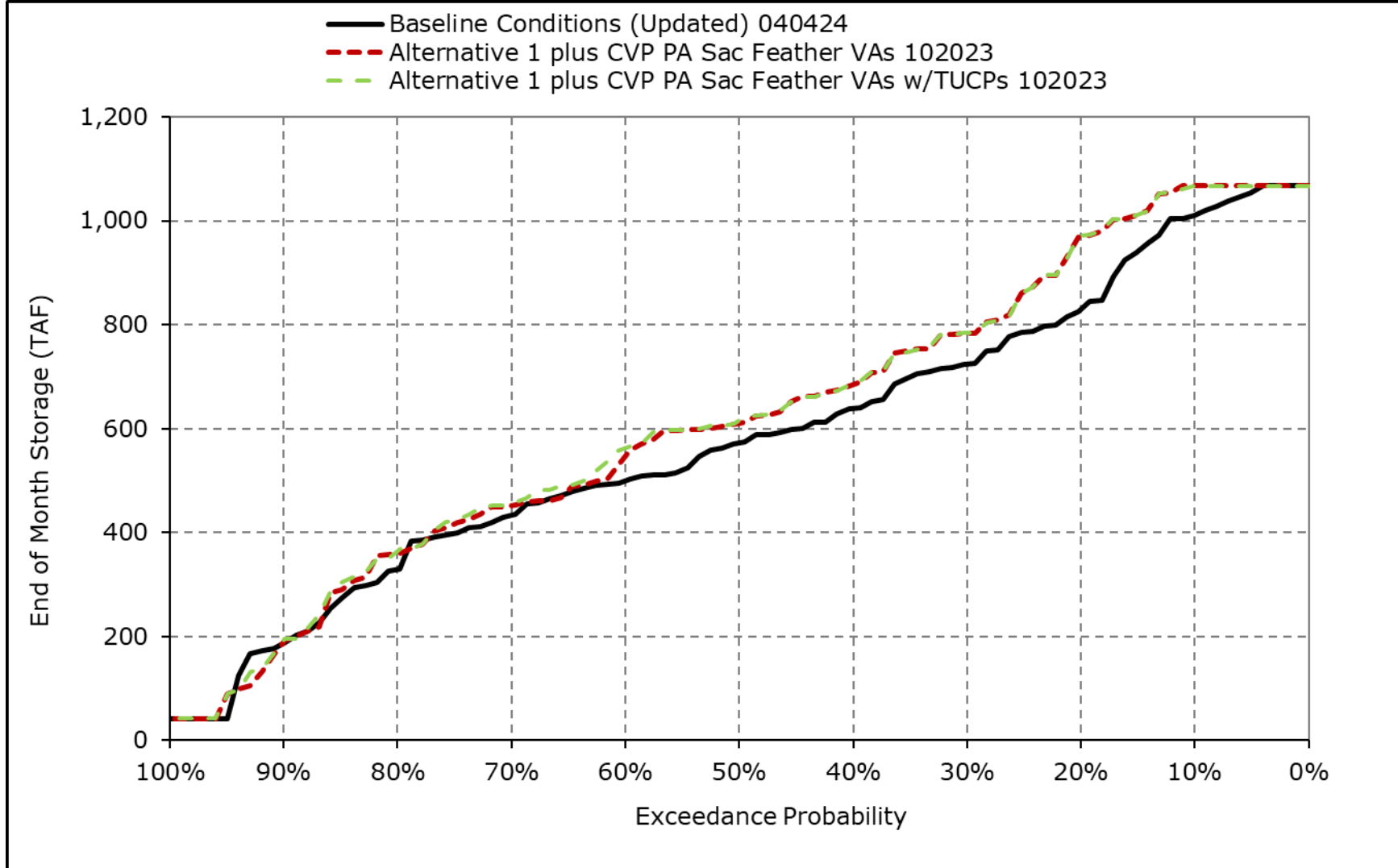
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



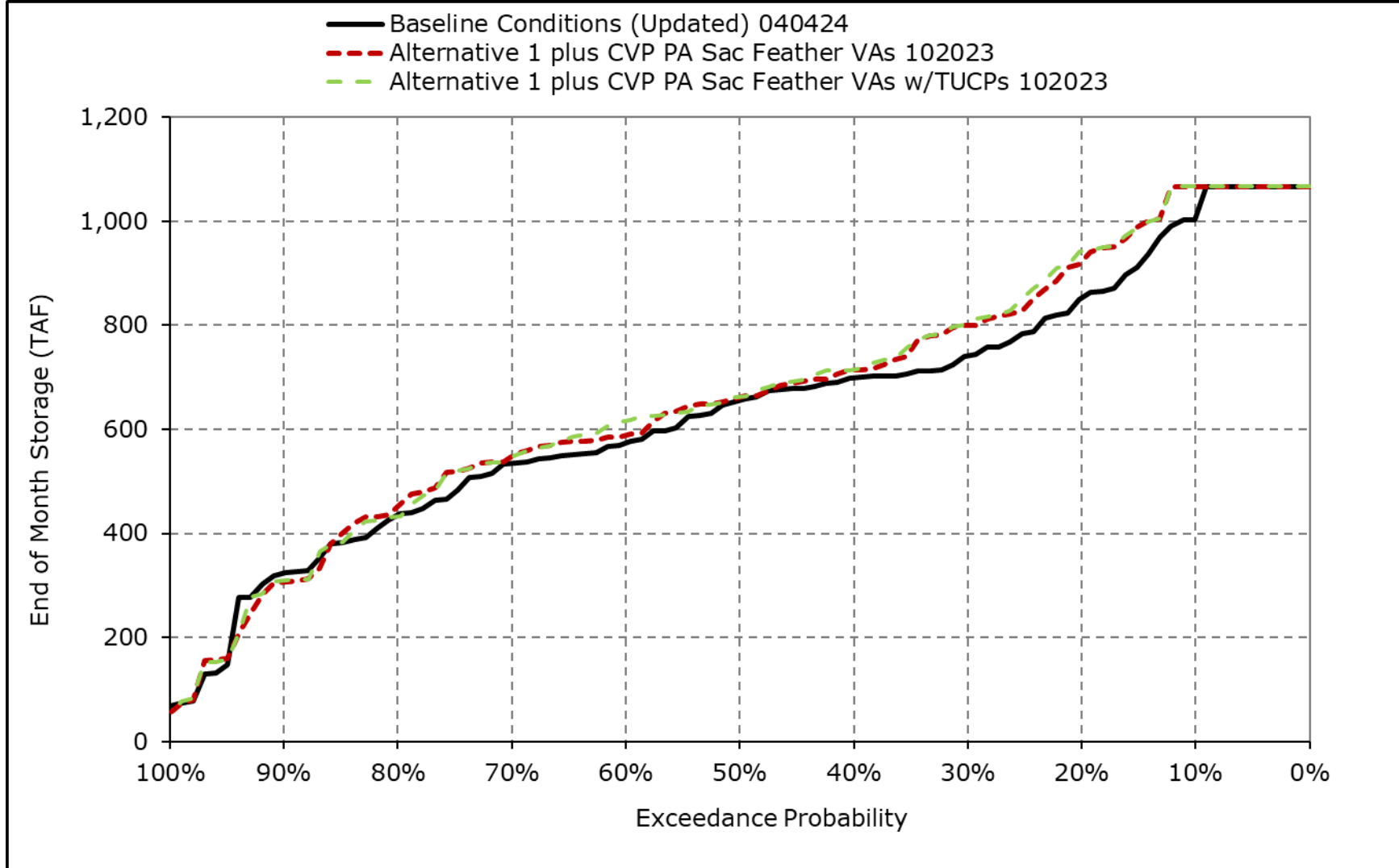
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



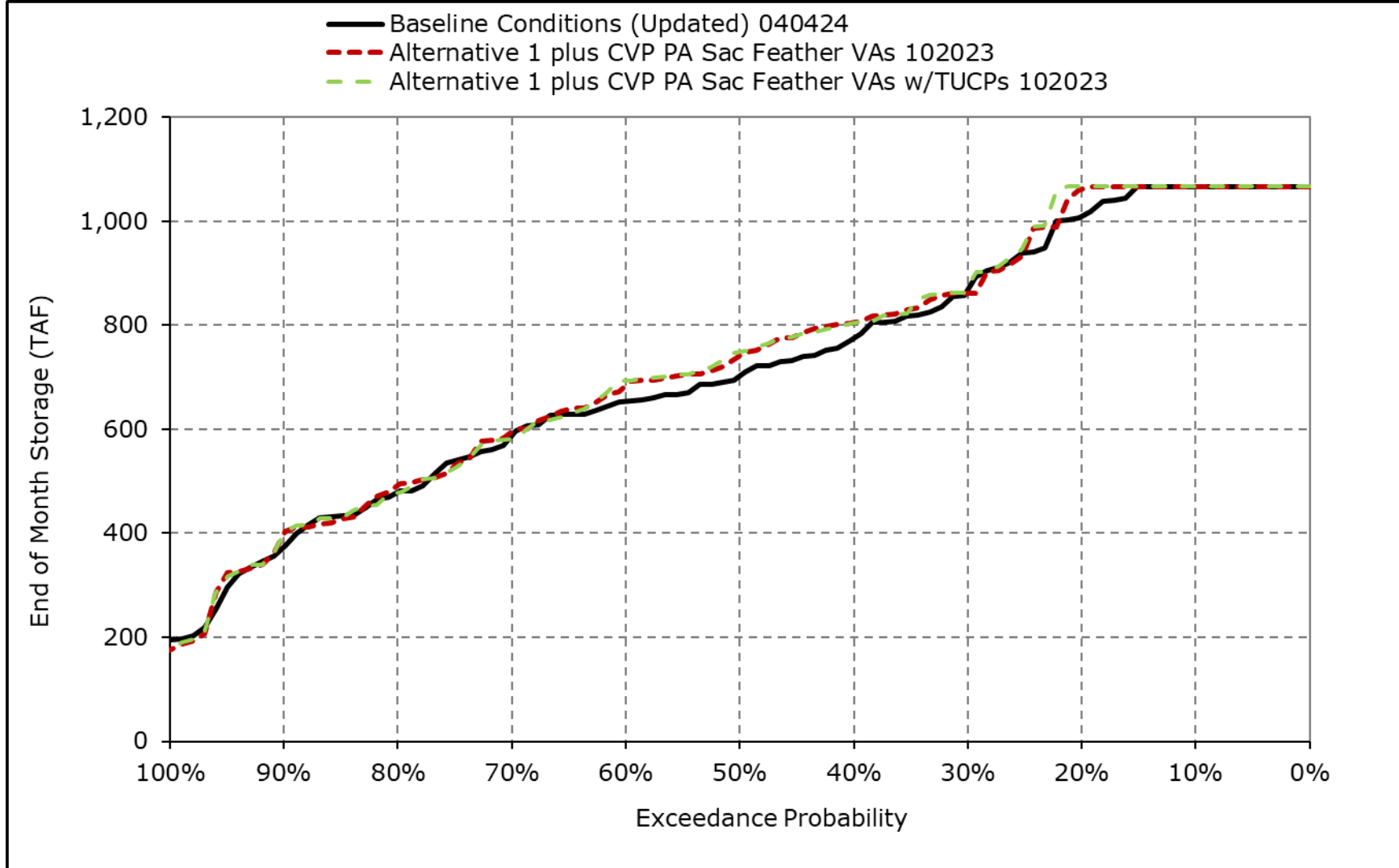
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



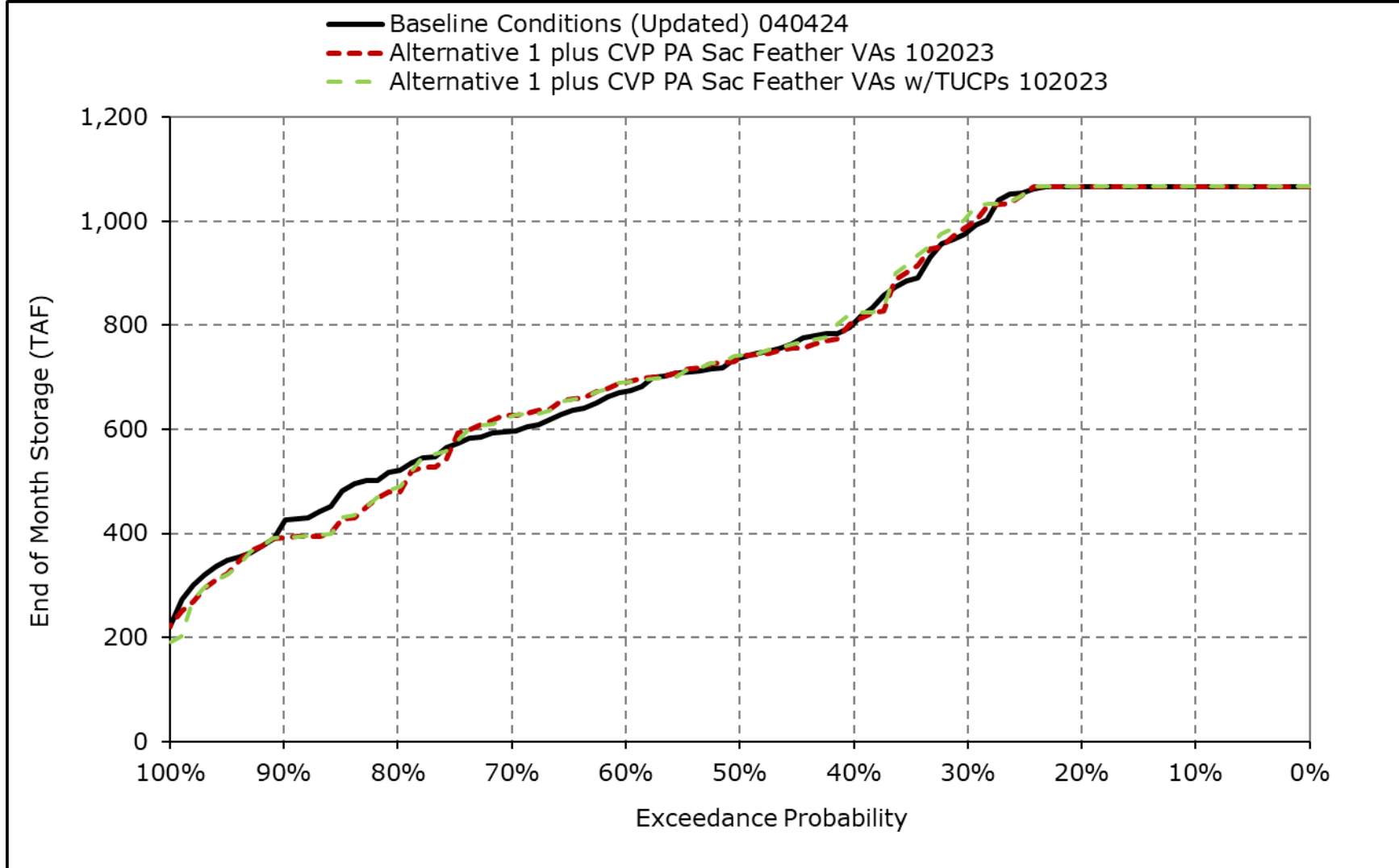
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



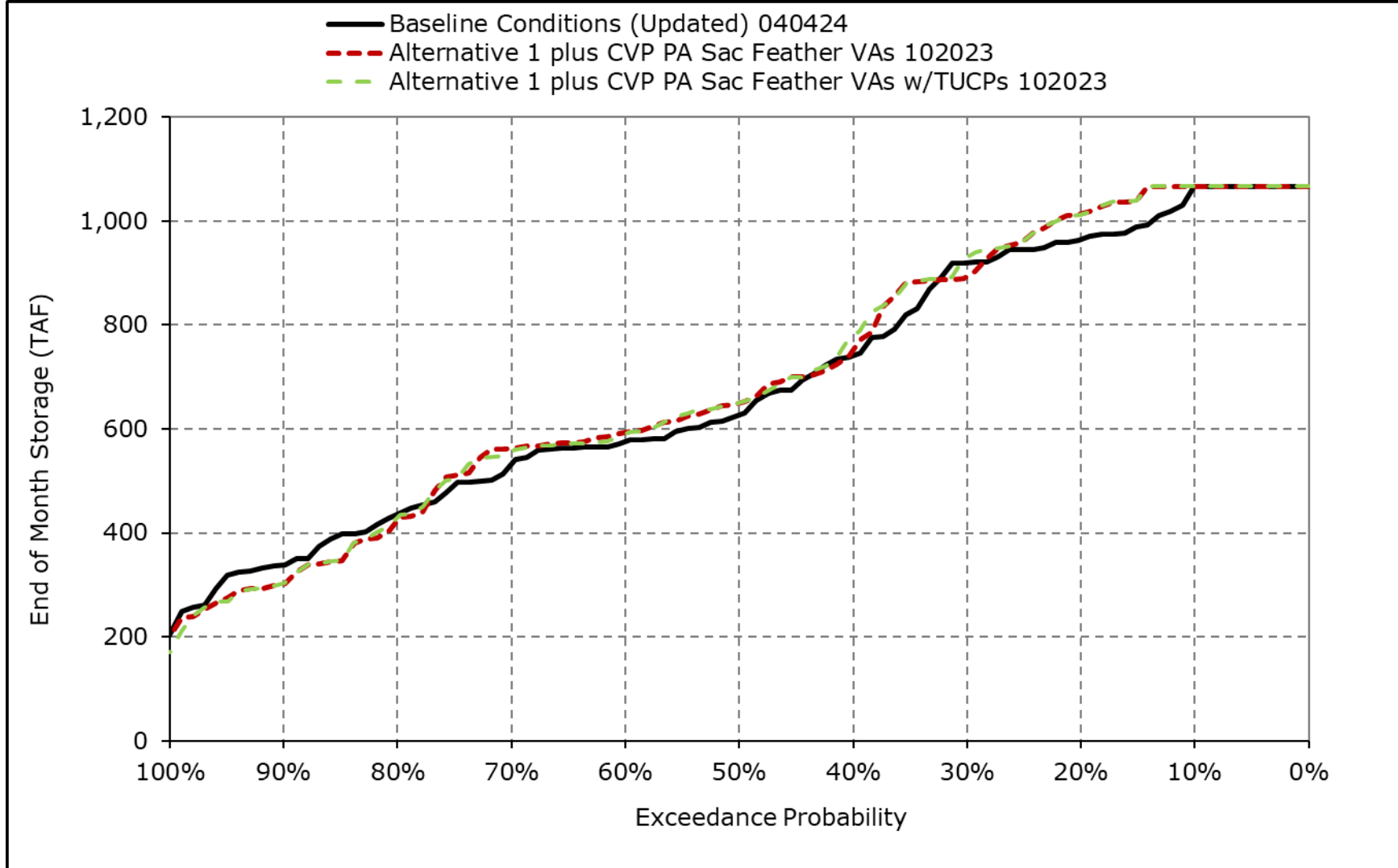
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



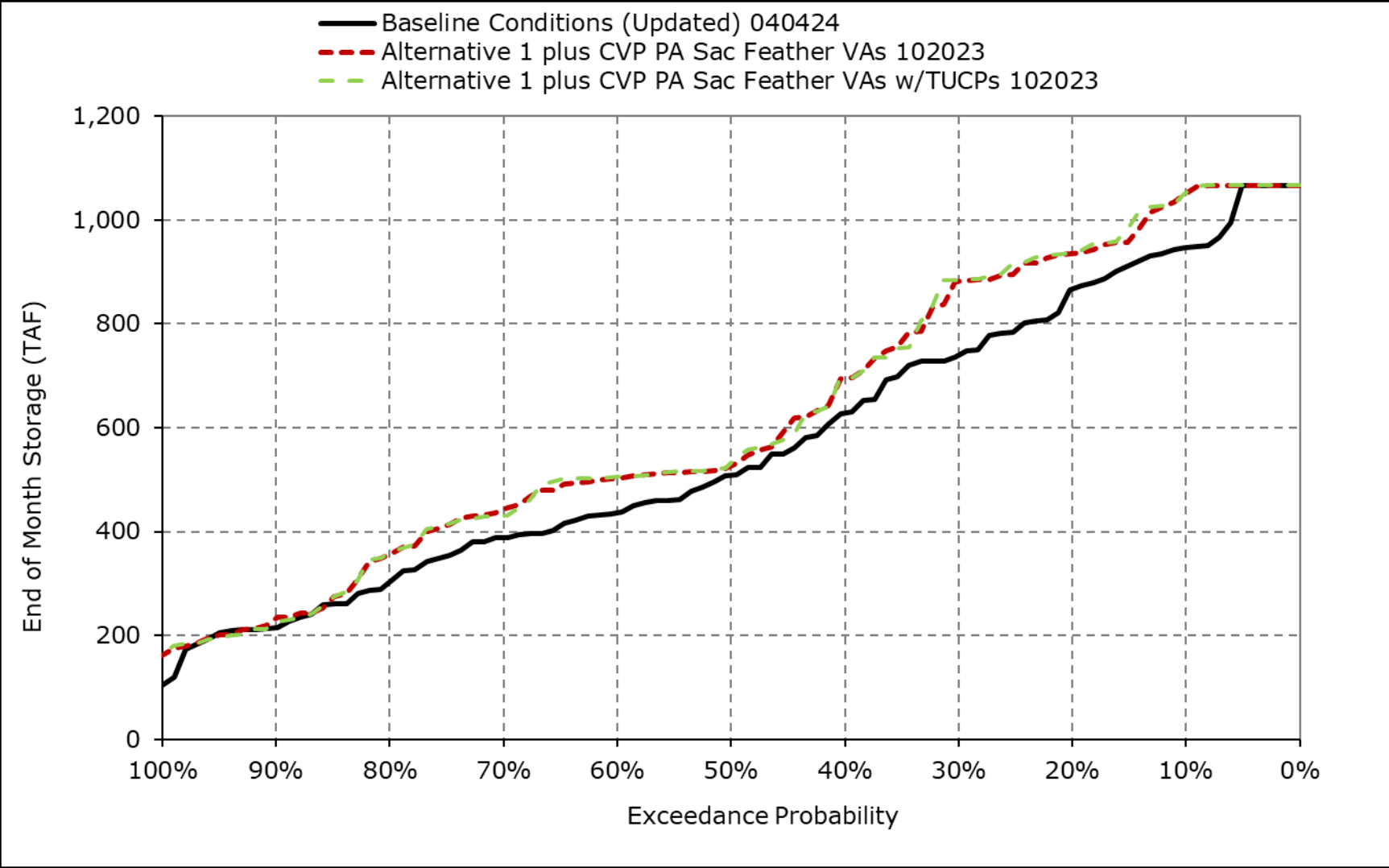
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



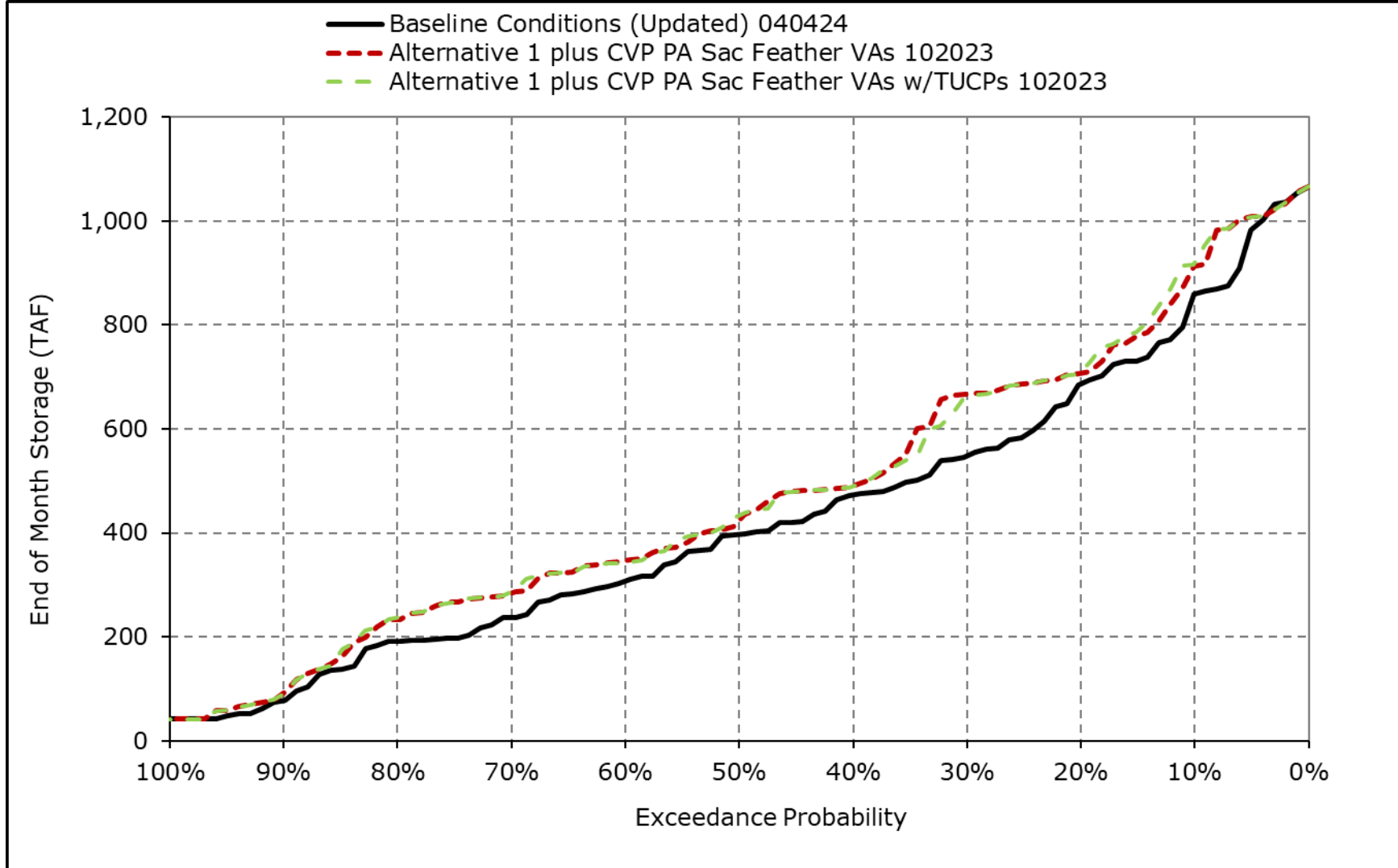
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



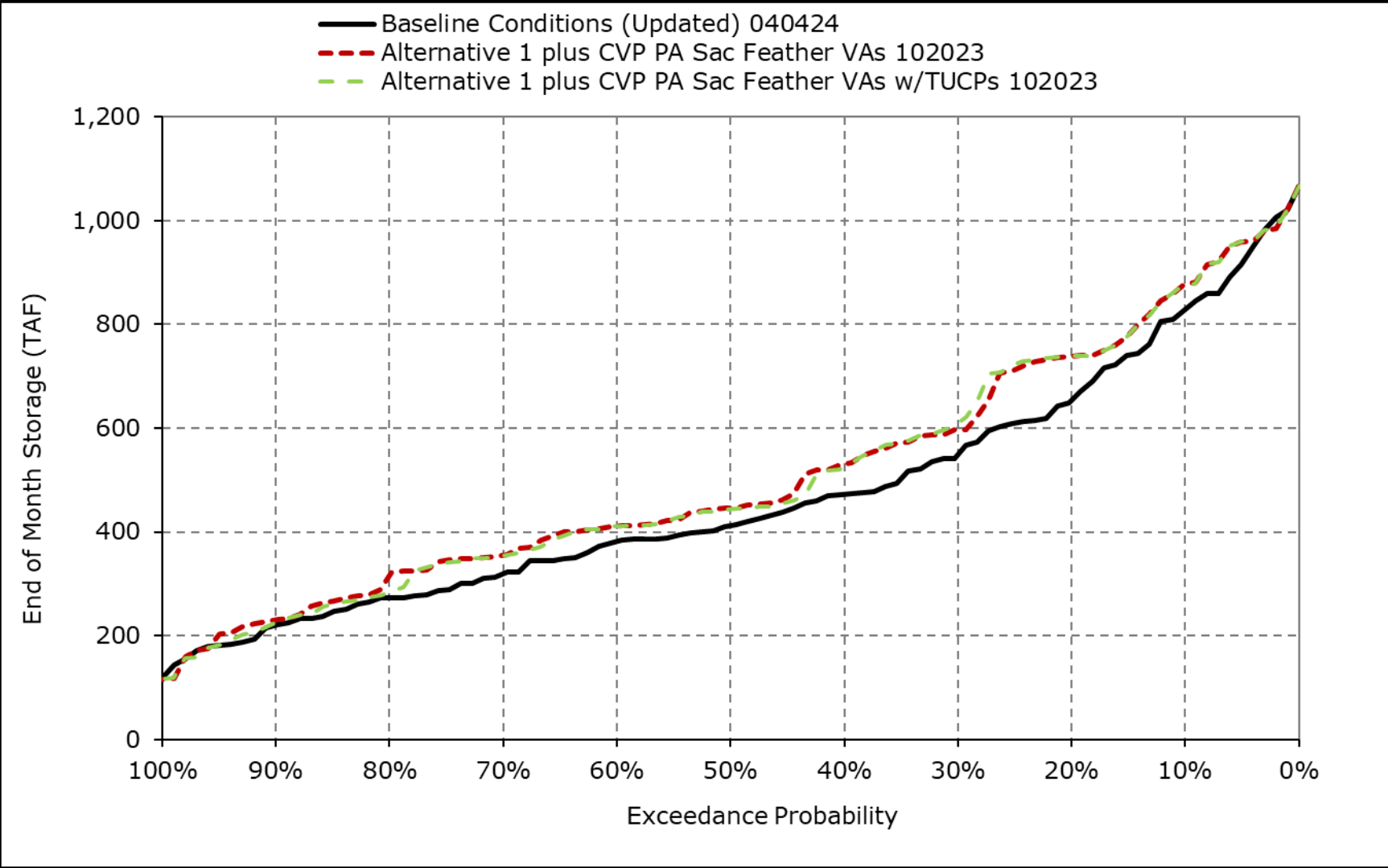
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



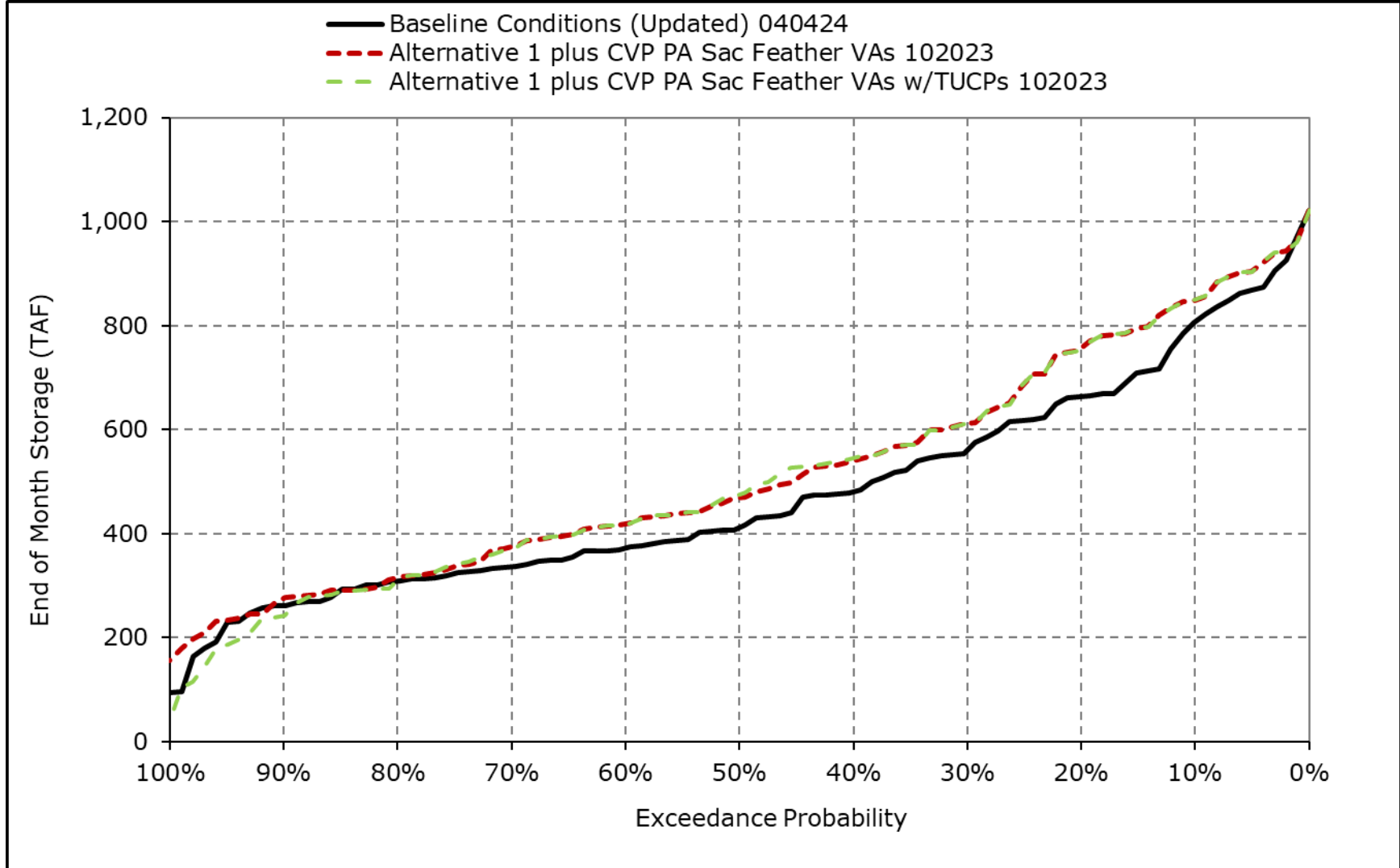
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



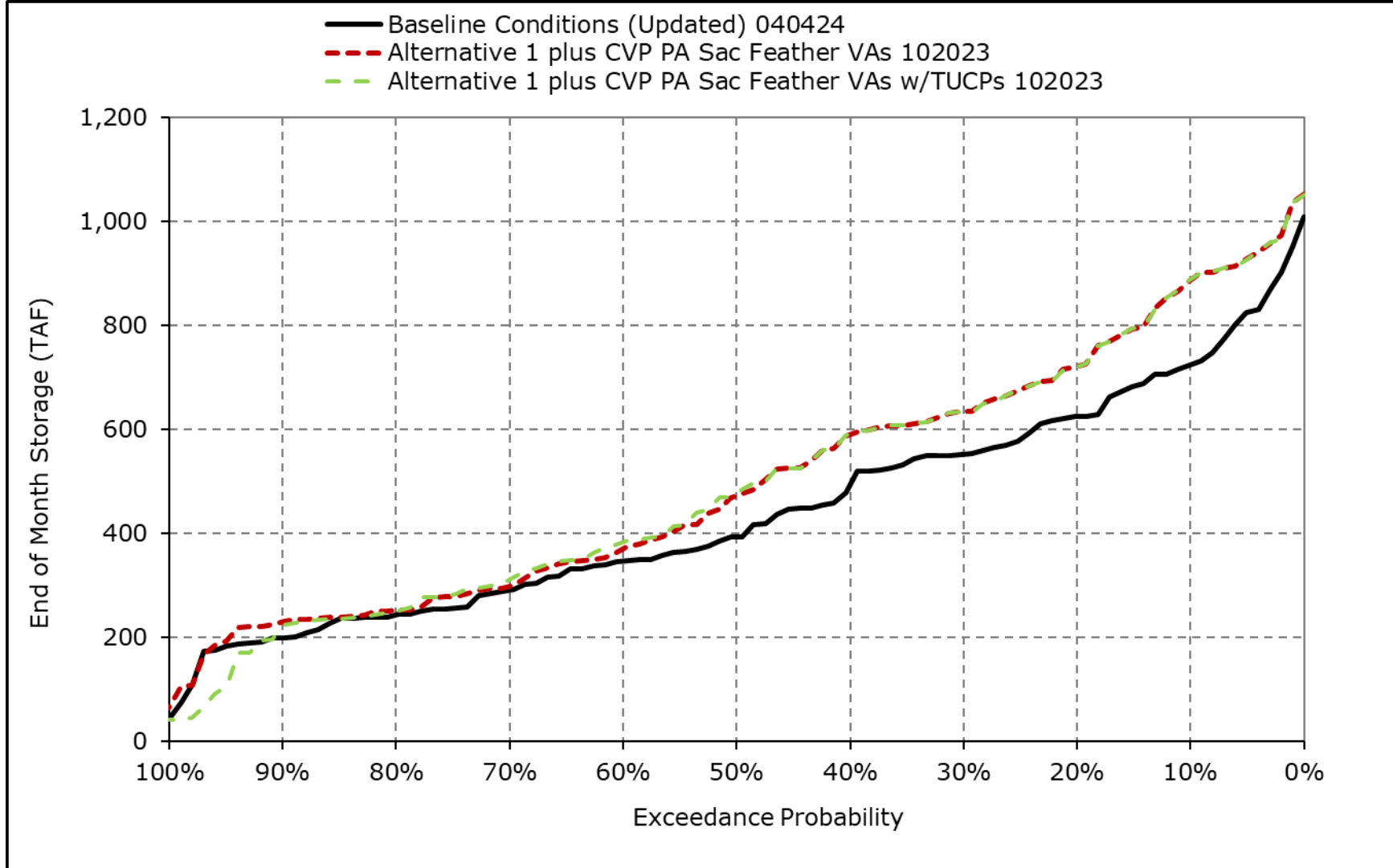
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 (Updated) 040424, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,266	1,505	1,810	1,835	2,037	2,039	2,018	1,853	1,622	1,391	1,253	1,269
20% Exceedance	872	1,157	1,447	1,645	1,806	2,039	1,885	1,706	1,295	970	789	819
30% Exceedance	776	1,041	1,298	1,454	1,691	1,790	1,747	1,477	1,019	788	685	689
40% Exceedance	690	902	1,170	1,347	1,574	1,684	1,451	1,184	865	645	586	601
50% Exceedance	551	770	1,058	1,281	1,450	1,541	1,347	1,037	736	617	497	516
60% Exceedance	478	666	970	1,185	1,350	1,413	1,276	951	646	550	459	488
70% Exceedance	396	565	869	1,069	1,249	1,339	1,157	850	577	496	422	442
80% Exceedance	373	495	692	997	1,155	1,199	988	740	488	448	399	385
90% Exceedance	276	365	528	690	915	1,048	874	642	366	346	351	346
Full Simulation Period Average^a	656	850	1,096	1,272	1,447	1,553	1,410	1,165	871	729	622	632
Wet Water Years (30%)	768	1,029	1,325	1,539	1,750	1,868	1,838	1,649	1,334	1,102	931	917
Above Normal Water Years (11%)	607	825	1,082	1,310	1,536	1,655	1,516	1,274	903	706	660	637
Below Normal Water Years (21%)	719	940	1,166	1,302	1,443	1,530	1,260	909	572	517	532	614
Dry Water Years (22%)	633	794	1,029	1,159	1,267	1,368	1,144	840	579	543	417	416
Critical Water Years (16%)	426	490	675	861	1,072	1,180	1,093	969	776	582	416	415

Table 4F-2-2-1b. San Luis Storage (CVP and SWP), Alternative 1 plus CVP PA Sac Feather VAs 102023, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,371	1,566	1,878	1,906	2,039	2,039	2,039	1,960	1,734	1,459	1,300	1,382
20% Exceedance	1,008	1,268	1,571	1,656	1,832	2,014	1,946	1,809	1,446	1,058	861	899
30% Exceedance	831	1,127	1,379	1,486	1,766	1,870	1,814	1,679	1,186	949	773	807
40% Exceedance	715	963	1,206	1,360	1,611	1,642	1,557	1,353	970	771	650	694
50% Exceedance	604	845	1,105	1,303	1,450	1,536	1,421	1,232	896	678	579	606
60% Exceedance	516	746	1,038	1,225	1,359	1,398	1,298	1,149	809	647	506	532
70% Exceedance	465	613	909	1,099	1,263	1,350	1,237	1,068	727	617	477	460
80% Exceedance	379	507	782	998	1,122	1,184	1,126	965	616	510	421	418
90% Exceedance	320	377	551	660	931	1,056	929	792	436	430	365	369
Full Simulation Period Average^a	716	907	1,146	1,300	1,466	1,544	1,472	1,330	994	817	683	702
Wet Water Years (30%)	836	1,095	1,370	1,561	1,771	1,868	1,850	1,736	1,397	1,159	1,000	1,044
Above Normal Water Years (11%)	653	868	1,142	1,354	1,557	1,623	1,542	1,379	962	766	710	699
Below Normal Water Years (21%)	783	999	1,235	1,349	1,483	1,516	1,410	1,218	811	688	628	677
Dry Water Years (22%)	689	854	1,079	1,179	1,264	1,343	1,210	1,029	729	633	468	463
Critical Water Years (16%)	482	537	703	875	1,084	1,195	1,156	1,095	865	631	437	427

Table 4F-2-2-1c. San Luis Storage (CVP and SWP), Alternative 1 plus CVP PA Sac Feather VAs 102023 minus Baseline Conditions (Updated) 040424, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	105	60	68	71	2	0	21	107	112	68	46	113
20% Exceedance	136	110	123	11	27	-25	61	103	151	88	72	80
30% Exceedance	55	86	81	33	75	80	67	202	167	162	89	118
40% Exceedance	25	61	36	13	37	-42	106	169	105	126	64	93
50% Exceedance	53	75	47	22	0	-5	74	195	160	61	83	90
60% Exceedance	38	79	68	40	9	-15	22	198	162	97	47	44
70% Exceedance	69	48	41	30	14	11	80	218	151	121	55	19
80% Exceedance	6	12	90	1	-33	-15	138	226	128	61	21	33
90% Exceedance	44	12	23	-30	15	8	55	151	70	84	14	23
Full Simulation Period Average^a	60	57	50	28	18	-9	62	164	123	87	61	70
Wet Water Years (30%)	67	65	44	23	20	0	12	87	63	57	69	126
Above Normal Water Years (11%)	45	43	60	44	21	-31	26	105	59	61	50	62
Below Normal Water Years (21%)	64	59	70	47	40	-14	150	309	239	170	96	63
Dry Water Years (22%)	56	60	50	20	-2	-24	66	189	149	90	52	47
Critical Water Years (16%)	56	47	28	14	12	15	62	126	89	49	21	12

^a Based on the 100-year simulation period.

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

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

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

Table 4F-2-2-2a. San Luis Storage (CVP and SWP), Baseline Conditions (Updated) 040424, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,266	1,505	1,810	1,835	2,037	2,039	2,018	1,853	1,622	1,391	1,253	1,269
20% Exceedance	872	1,157	1,447	1,645	1,806	2,039	1,885	1,706	1,295	970	789	819
30% Exceedance	776	1,041	1,298	1,454	1,691	1,790	1,747	1,477	1,019	788	685	689
40% Exceedance	690	902	1,170	1,347	1,574	1,684	1,451	1,184	865	645	586	601
50% Exceedance	551	770	1,058	1,281	1,450	1,541	1,347	1,037	736	617	497	516
60% Exceedance	478	666	970	1,185	1,350	1,413	1,276	951	646	550	459	488
70% Exceedance	396	565	869	1,069	1,249	1,339	1,157	850	577	496	422	442
80% Exceedance	373	495	692	997	1,155	1,199	988	740	488	448	399	385
90% Exceedance	276	365	528	690	915	1,048	874	642	366	346	351	346
Full Simulation Period Average^a	656	850	1,096	1,272	1,447	1,553	1,410	1,165	871	729	622	632
Wet Water Years (30%)	768	1,029	1,325	1,539	1,750	1,868	1,838	1,649	1,334	1,102	931	917
Above Normal Water Years (11%)	607	825	1,082	1,310	1,536	1,655	1,516	1,274	903	706	660	637
Below Normal Water Years (21%)	719	940	1,166	1,302	1,443	1,530	1,260	909	572	517	532	614
Dry Water Years (22%)	633	794	1,029	1,159	1,267	1,368	1,144	840	579	543	417	416
Critical Water Years (16%)	426	490	675	861	1,072	1,180	1,093	969	776	582	416	415

Table 4F-2-2-2b. San Luis Storage (CVP and SWP), Alternative 1 plus CVP PA Sac Feather VAs w/TUCPs 102023, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	1,371	1,567	1,878	1,918	2,039	2,039	2,039	1,965	1,744	1,509	1,317	1,382
20% Exceedance	1,007	1,276	1,577	1,681	1,832	2,039	1,945	1,830	1,378	1,031	860	897
30% Exceedance	837	1,148	1,386	1,494	1,766	1,870	1,834	1,679	1,186	932	772	805
40% Exceedance	736	972	1,213	1,366	1,617	1,685	1,566	1,351	982	794	649	694
50% Exceedance	626	831	1,105	1,307	1,468	1,562	1,441	1,245	897	687	593	619
60% Exceedance	518	767	1,039	1,224	1,367	1,406	1,290	1,137	808	658	509	538
70% Exceedance	470	631	917	1,113	1,266	1,346	1,234	1,059	739	608	478	471
80% Exceedance	397	581	785	1,002	1,120	1,184	1,117	965	615	514	433	431
90% Exceedance	324	390	588	741	928	1,067	935	790	432	424	365	390
Full Simulation Period Average^a	726	920	1,158	1,312	1,474	1,553	1,478	1,334	999	820	685	705
Wet Water Years (30%)	837	1,096	1,369	1,562	1,772	1,869	1,851	1,736	1,397	1,158	999	1,043
Above Normal Water Years (11%)	651	869	1,160	1,371	1,574	1,641	1,564	1,395	971	772	711	697
Below Normal Water Years (21%)	806	1,027	1,264	1,375	1,501	1,532	1,426	1,230	819	692	630	687
Dry Water Years (22%)	682	848	1,075	1,175	1,260	1,340	1,208	1,027	726	633	470	466
Critical Water Years (16%)	524	586	733	907	1,106	1,220	1,161	1,094	881	644	445	432

Table 4F-2-2-2c. San Luis Storage (CVP and SWP), Alternative 1 plus CVP PA Sac Feather VAs w/TUCPs 102023 minus Baseline Conditions (Updated) 040424, End of Month Storage (TAF)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	106	62	68	83	2	0	21	112	122	118	63	113
20% Exceedance	135	118	130	37	27	0	61	124	83	61	71	78
30% Exceedance	61	107	88	41	75	80	87	202	167	144	87	117
40% Exceedance	46	70	42	19	43	2	115	168	118	149	63	93
50% Exceedance	75	61	46	26	18	21	94	208	161	70	96	103
60% Exceedance	40	101	69	39	18	-7	15	186	162	108	49	50
70% Exceedance	74	66	48	44	18	7	77	209	162	112	56	29
80% Exceedance	24	86	93	5	-35	-15	129	225	126	65	34	46
90% Exceedance	48	25	61	51	13	19	61	148	66	78	14	44
Full Simulation Period Average^a	70	70	62	40	27	-1	69	168	127	91	63	73
Wet Water Years (30%)	68	66	44	24	22	1	12	88	63	57	68	126
Above Normal Water Years (11%)	44	44	78	62	38	-14	48	121	68	66	51	60
Below Normal Water Years (21%)	86	87	99	74	58	1	165	321	247	175	98	73
Dry Water Years (22%)	48	54	47	16	-6	-28	64	187	147	90	54	50
Critical Water Years (16%)	98	96	58	46	34	39	67	125	106	62	30	17

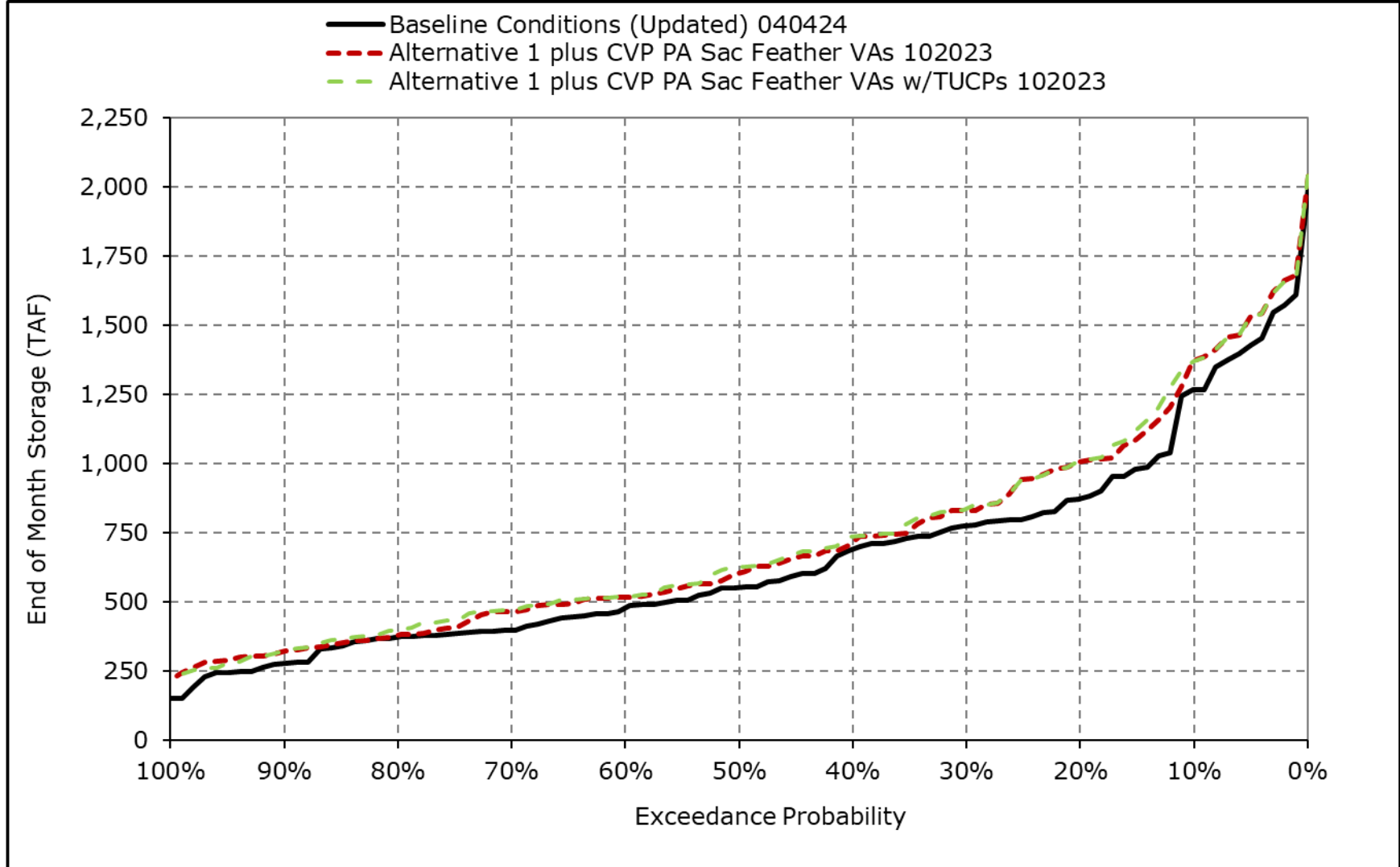
^a Based on the 100-year simulation period.

* 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).

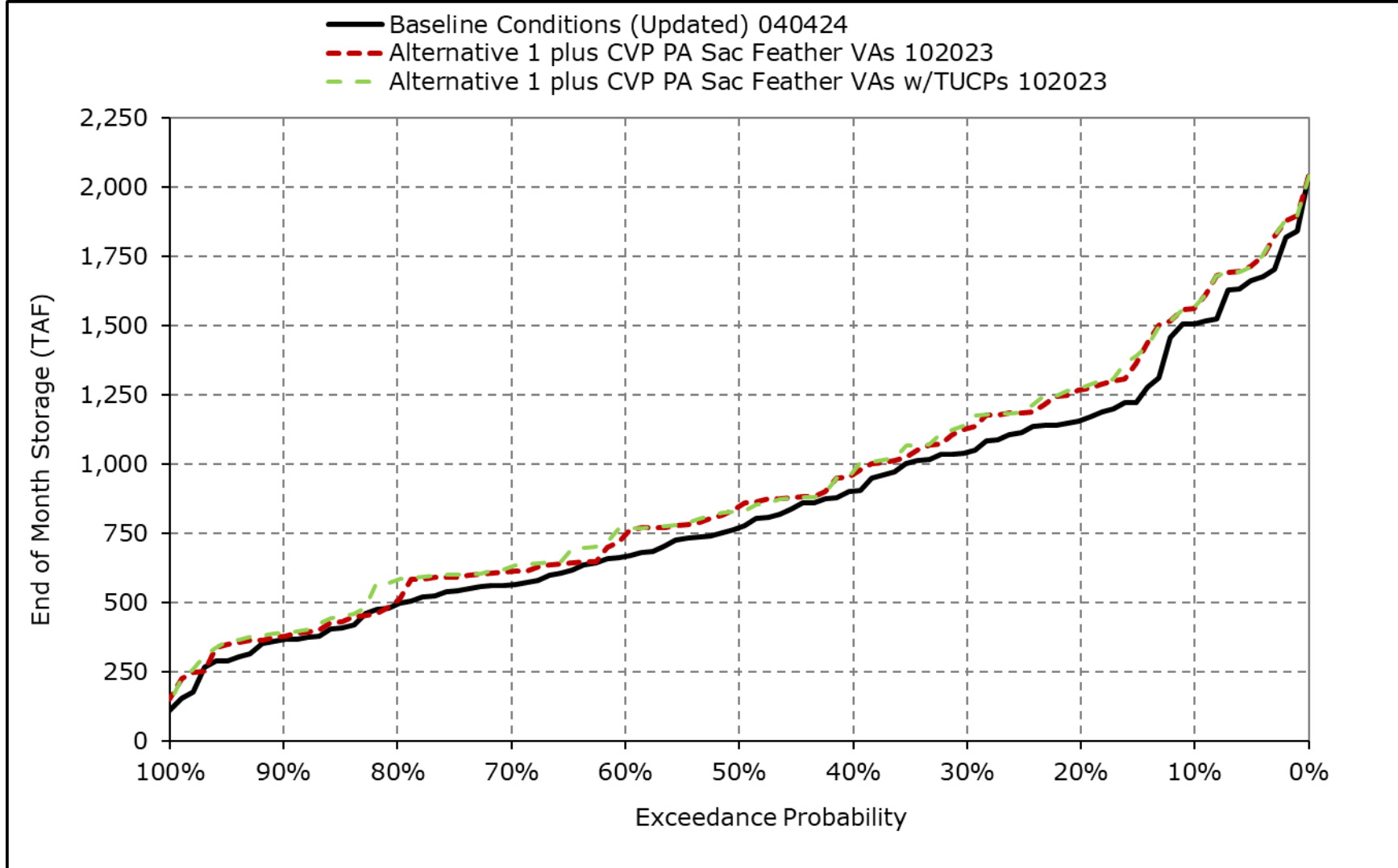
* Water Year Types results are displayed with water year - year type sorting.

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



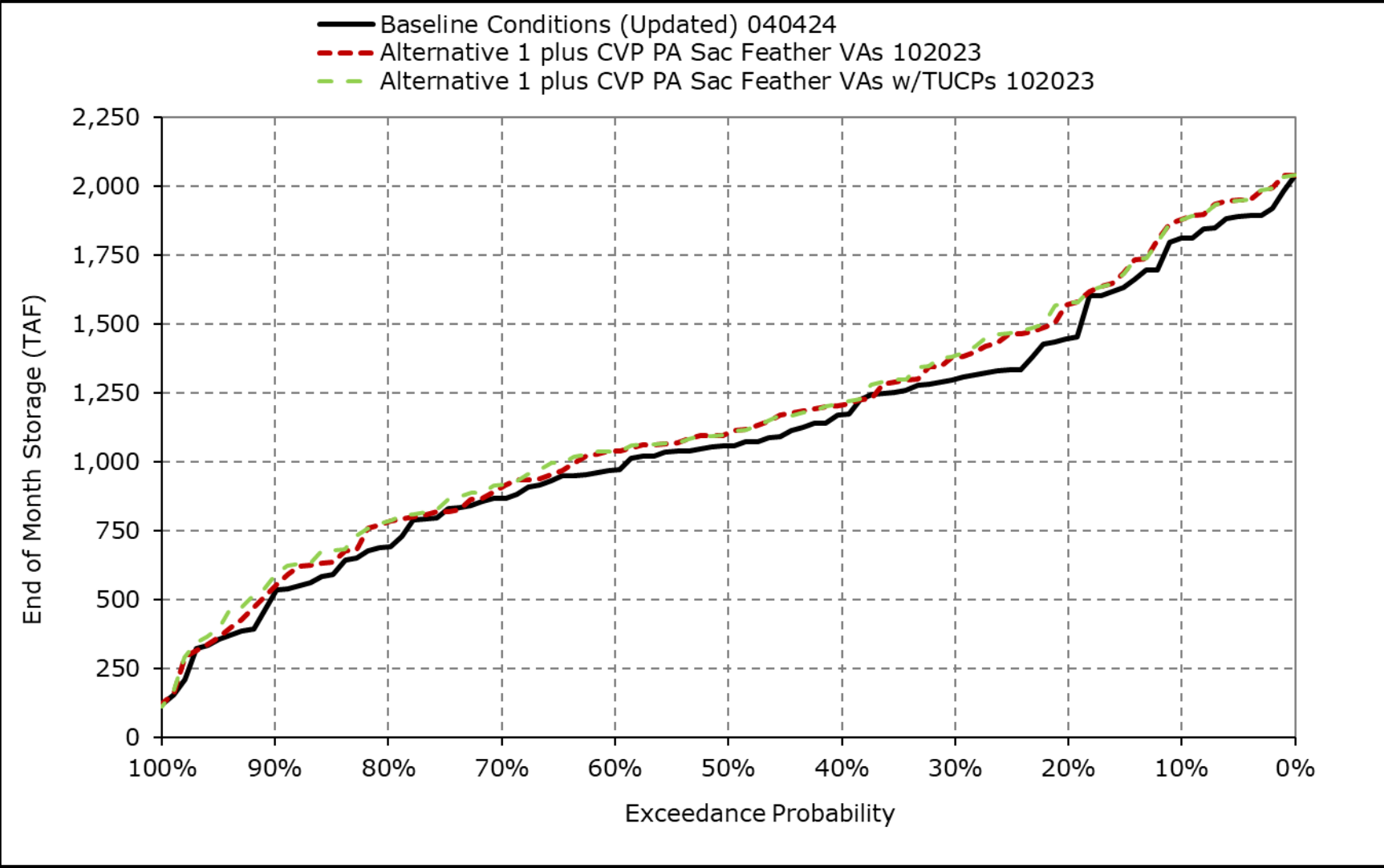
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



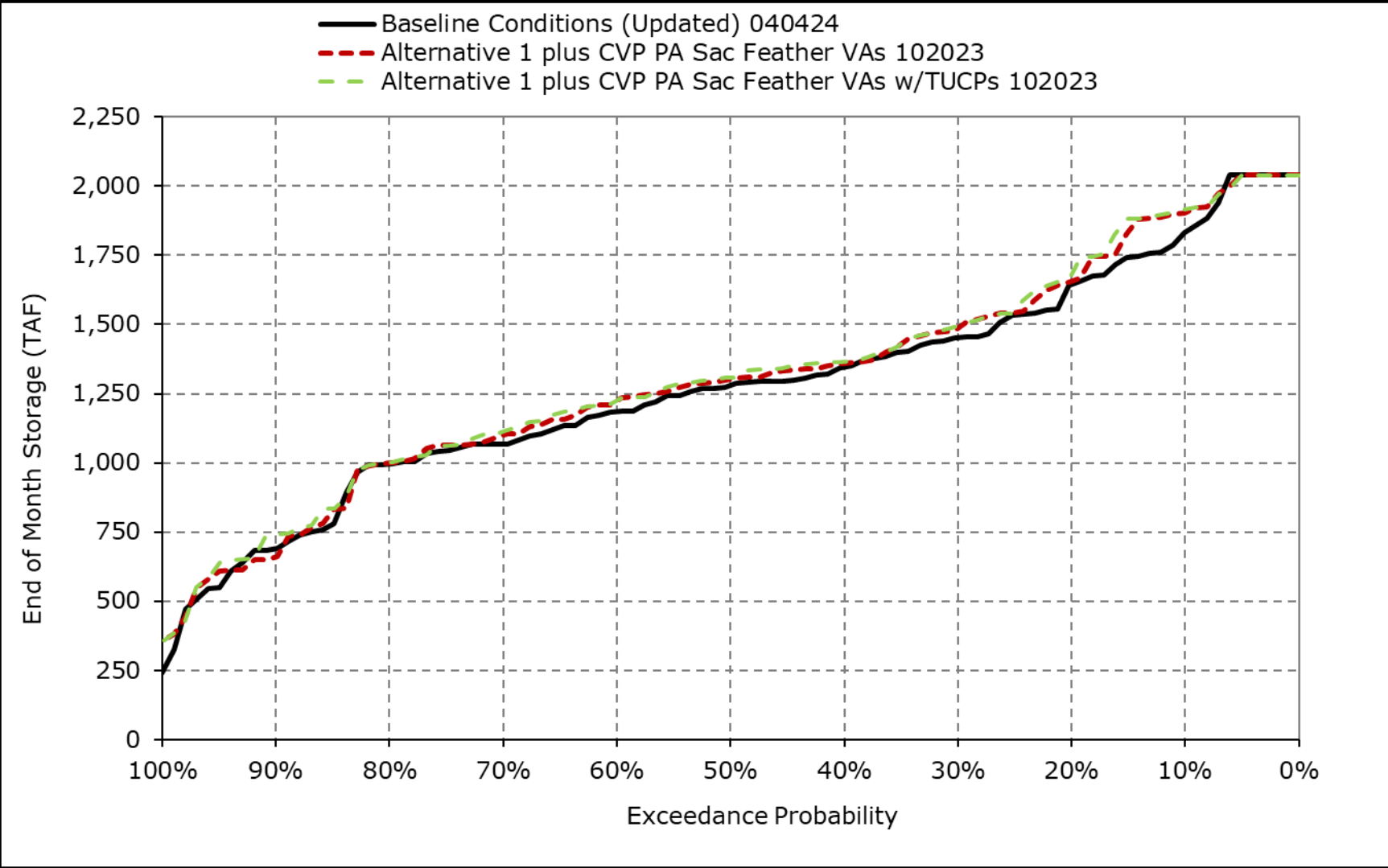
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



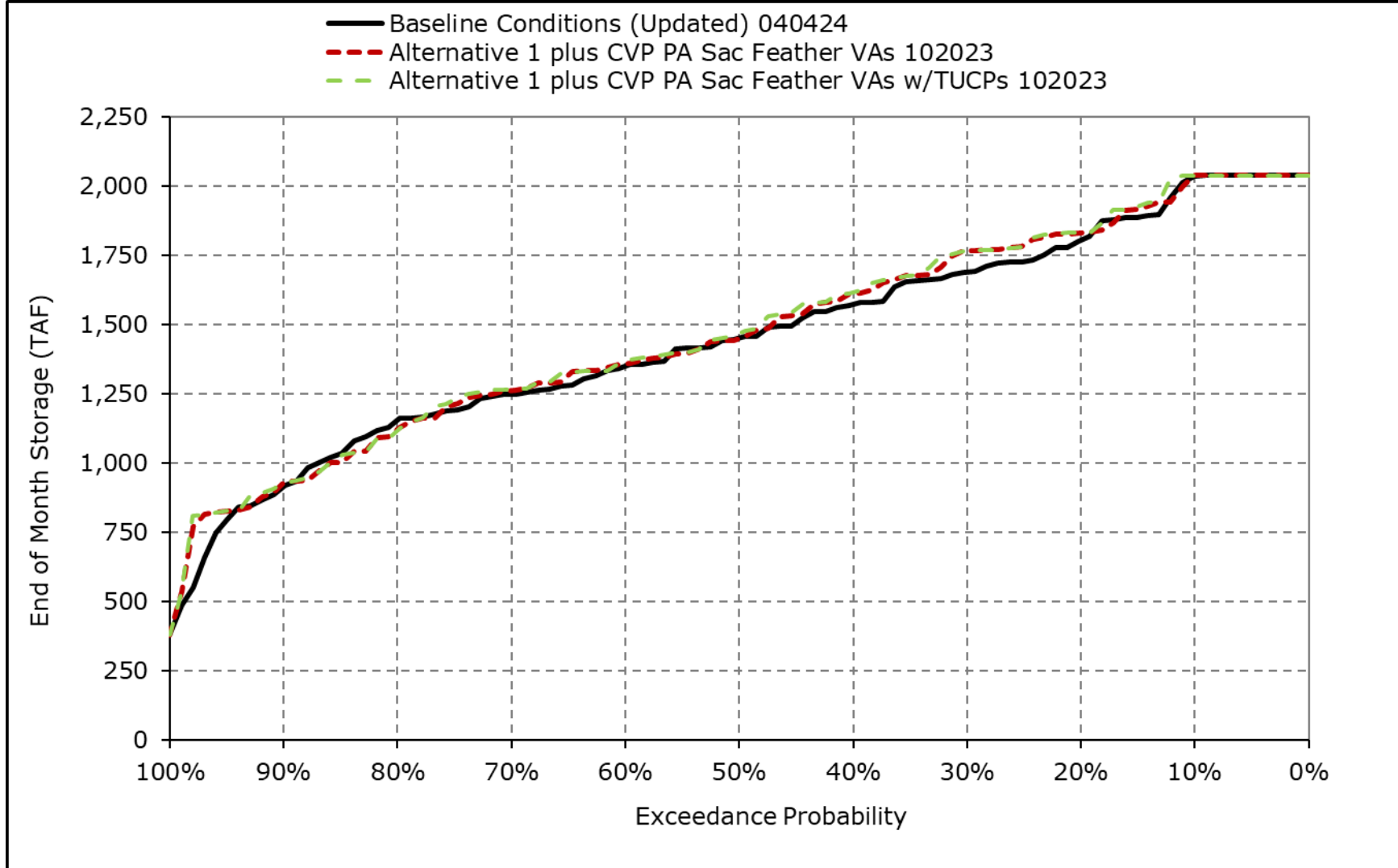
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



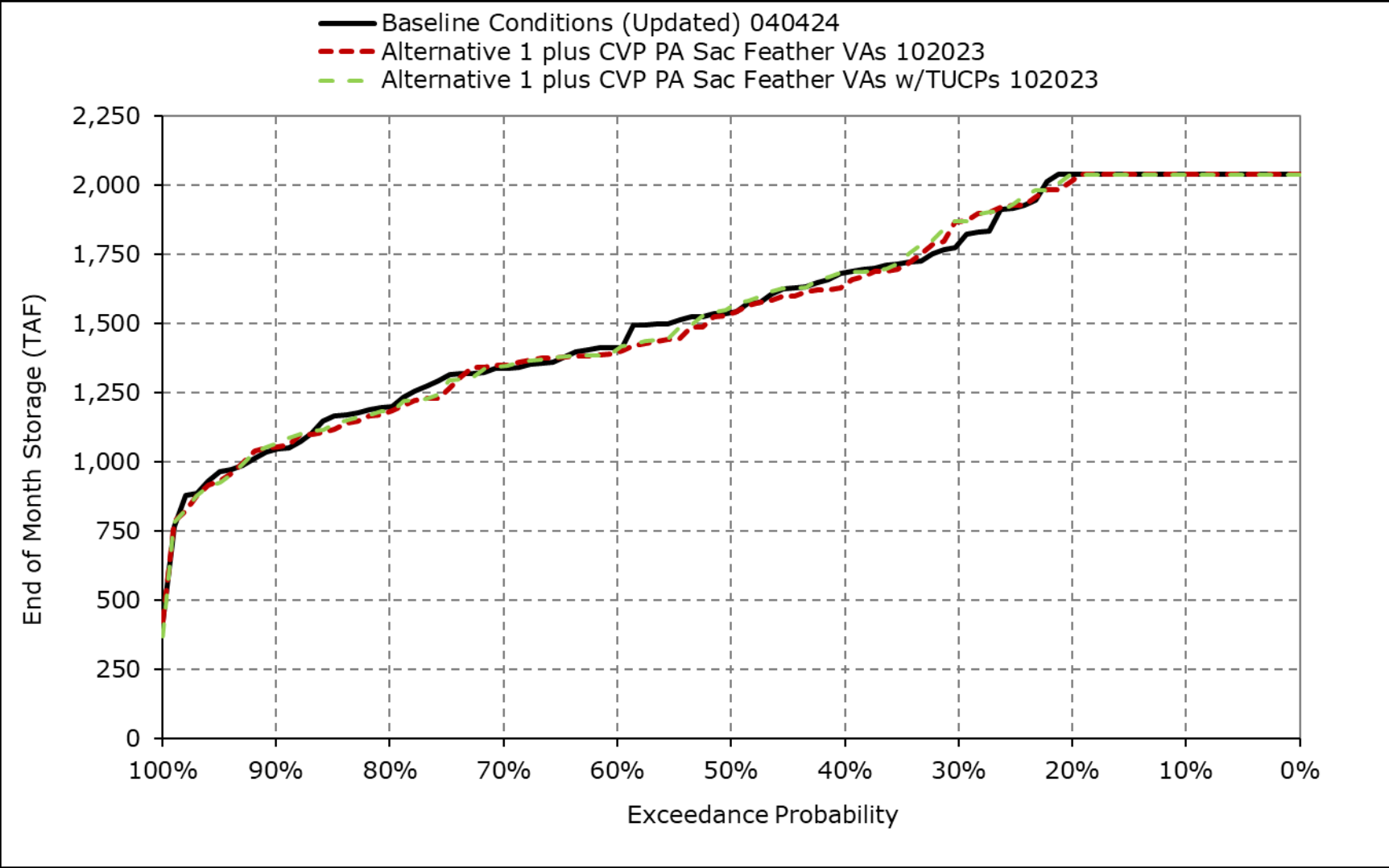
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



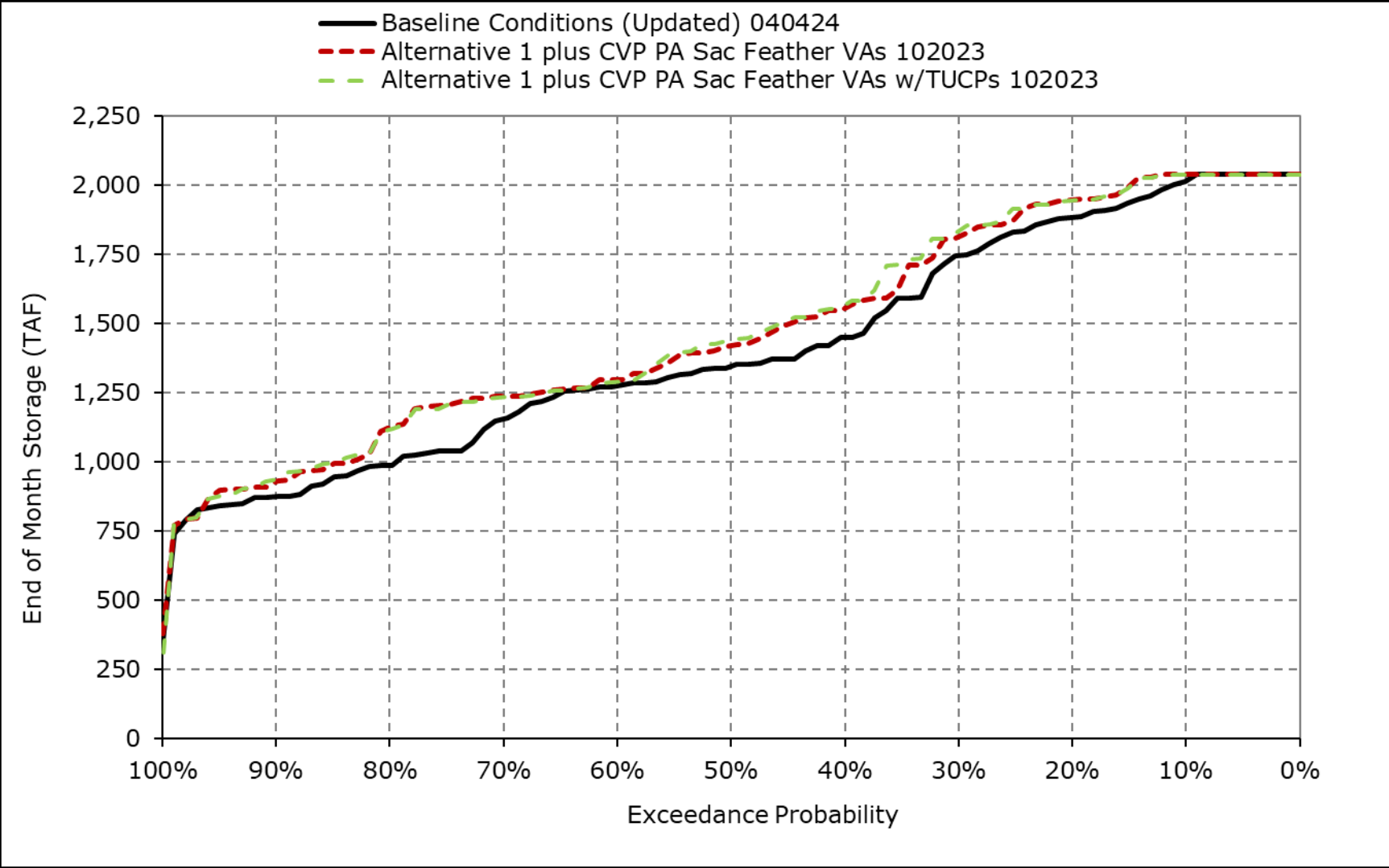
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



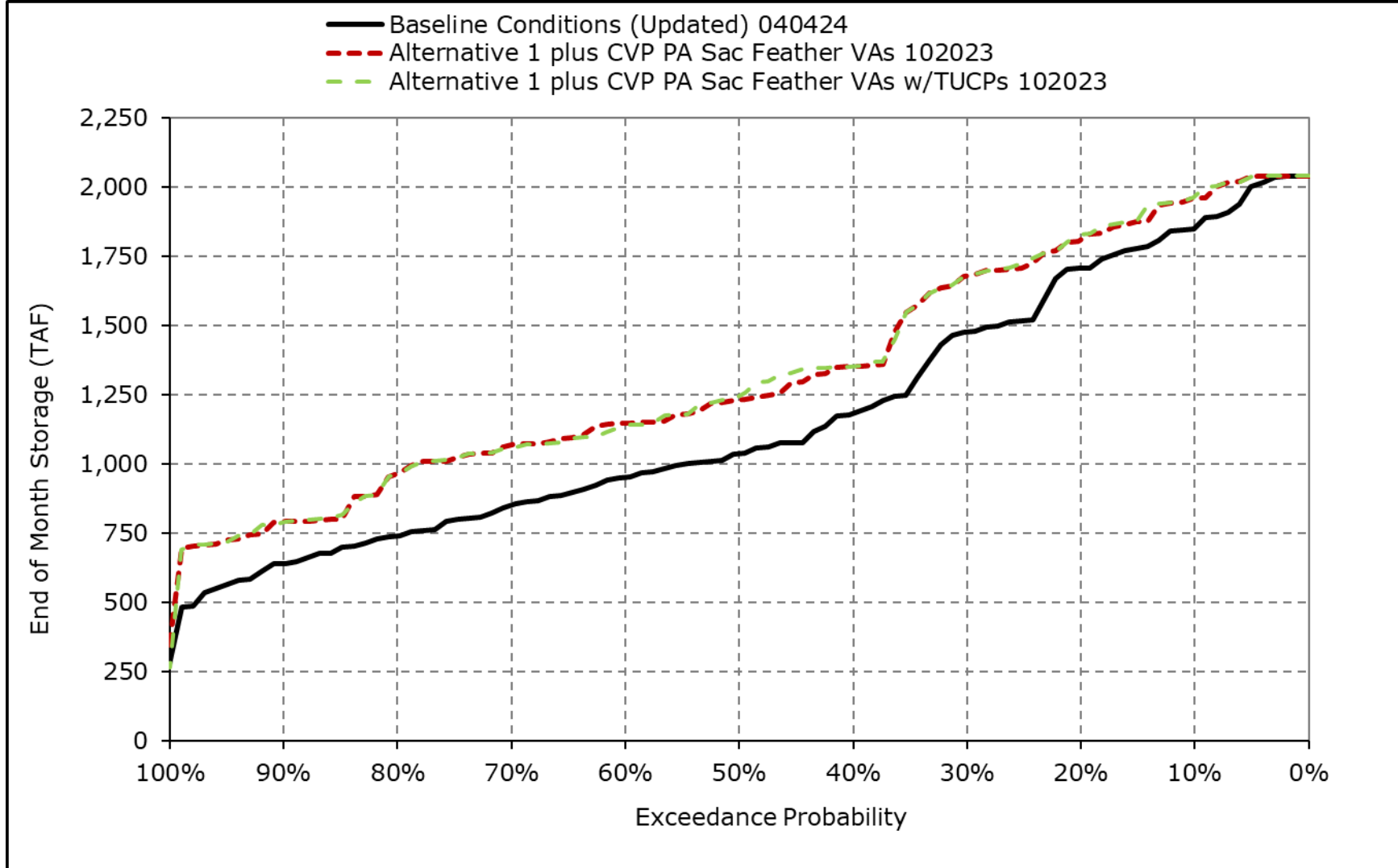
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



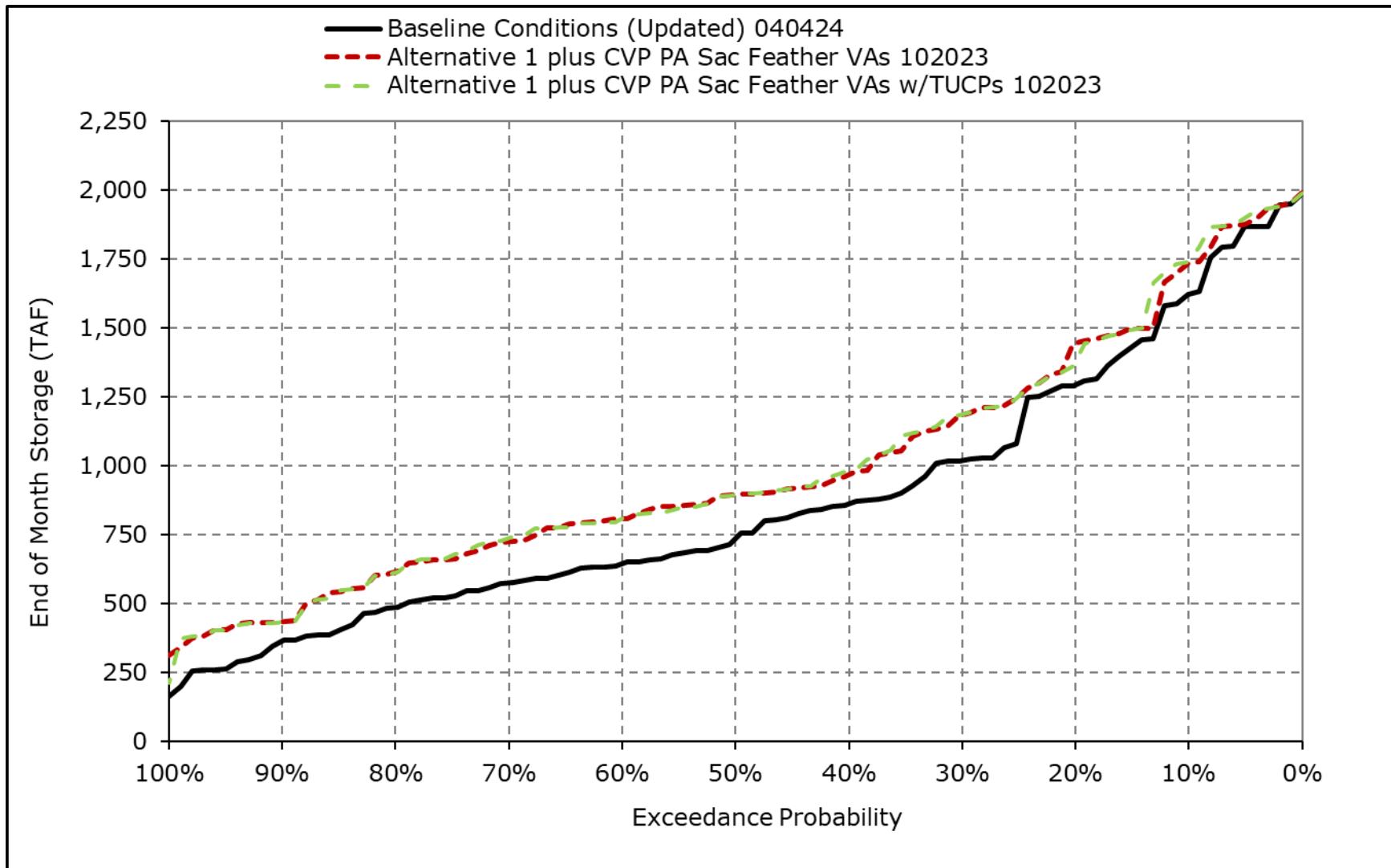
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



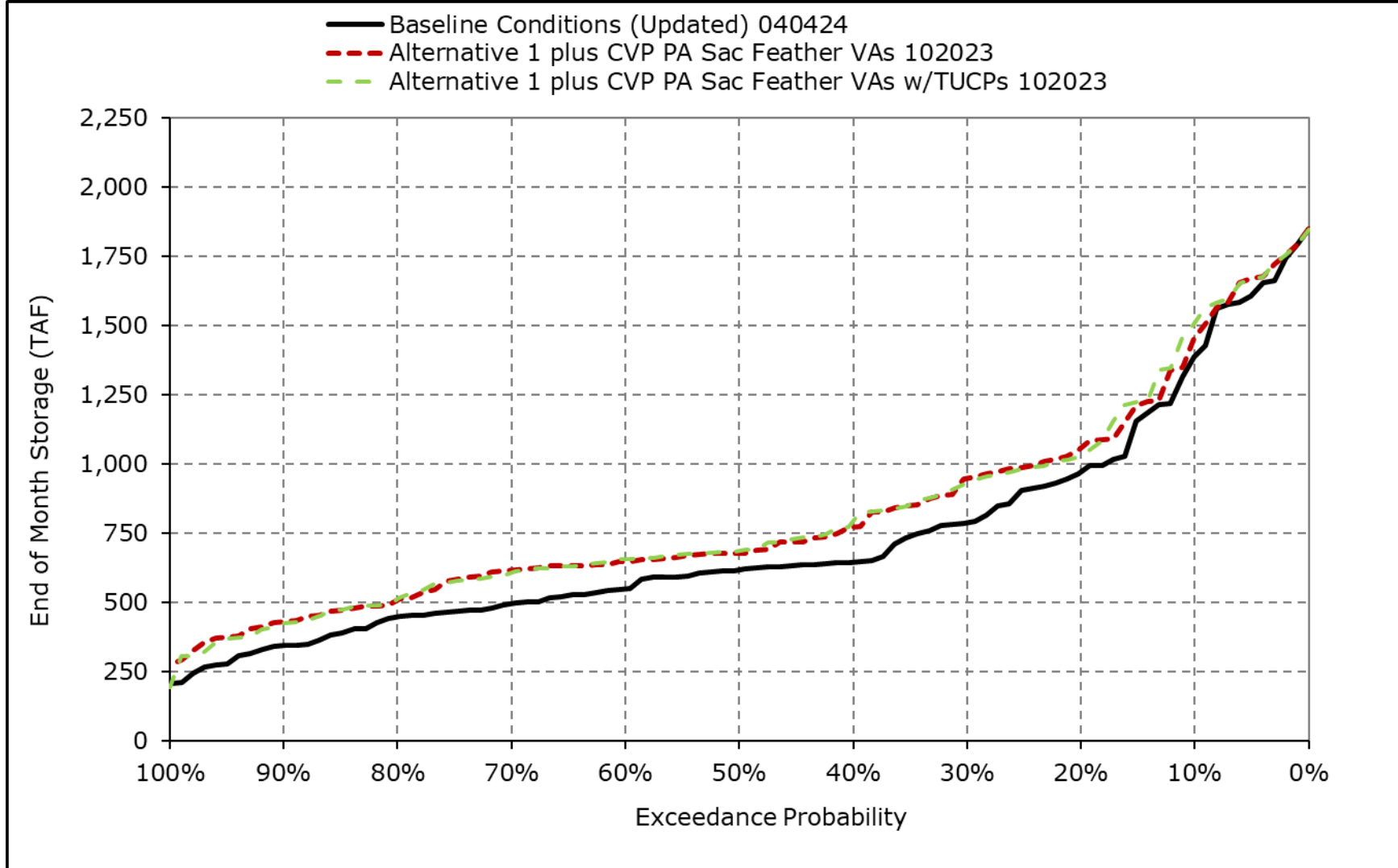
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



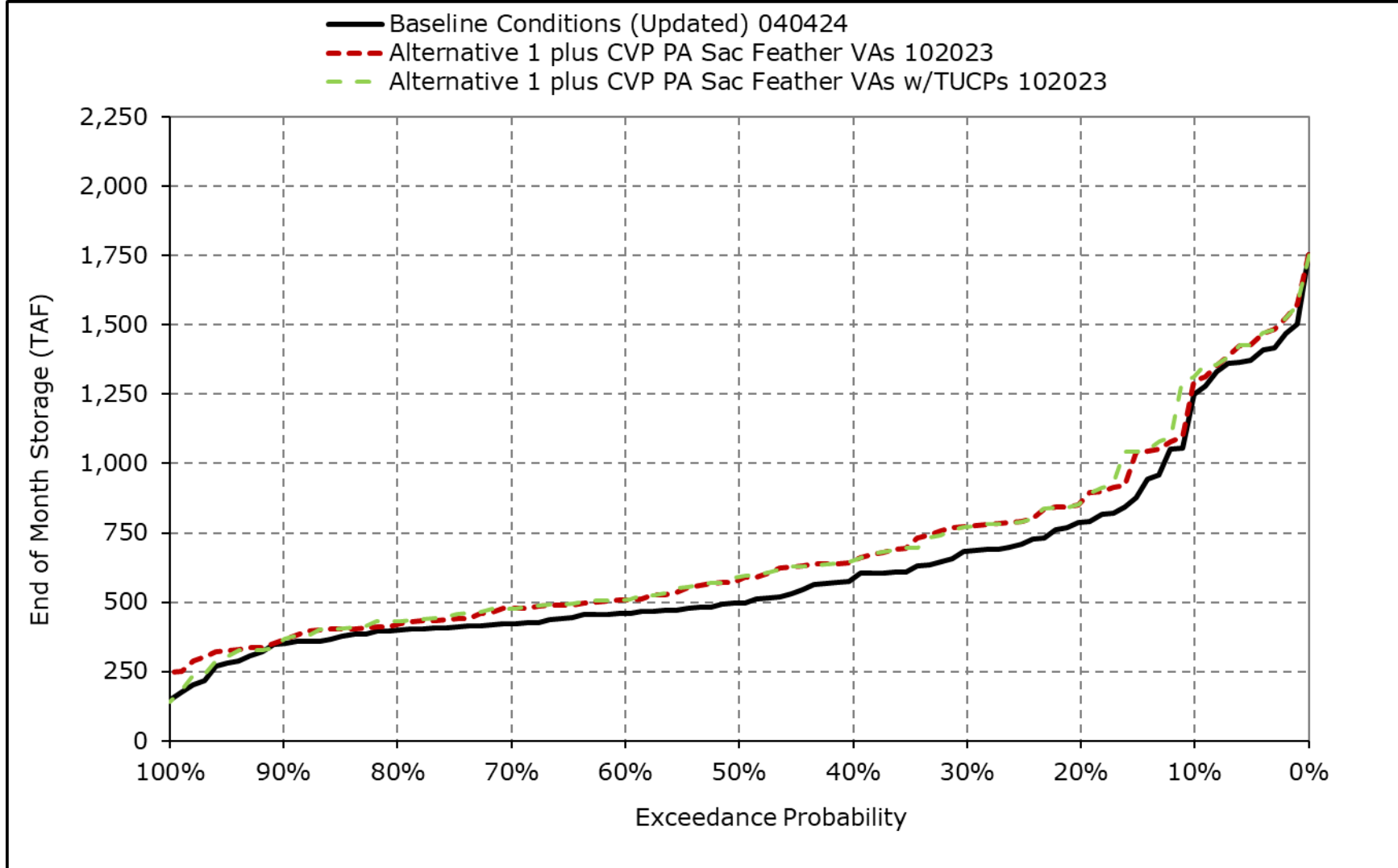
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



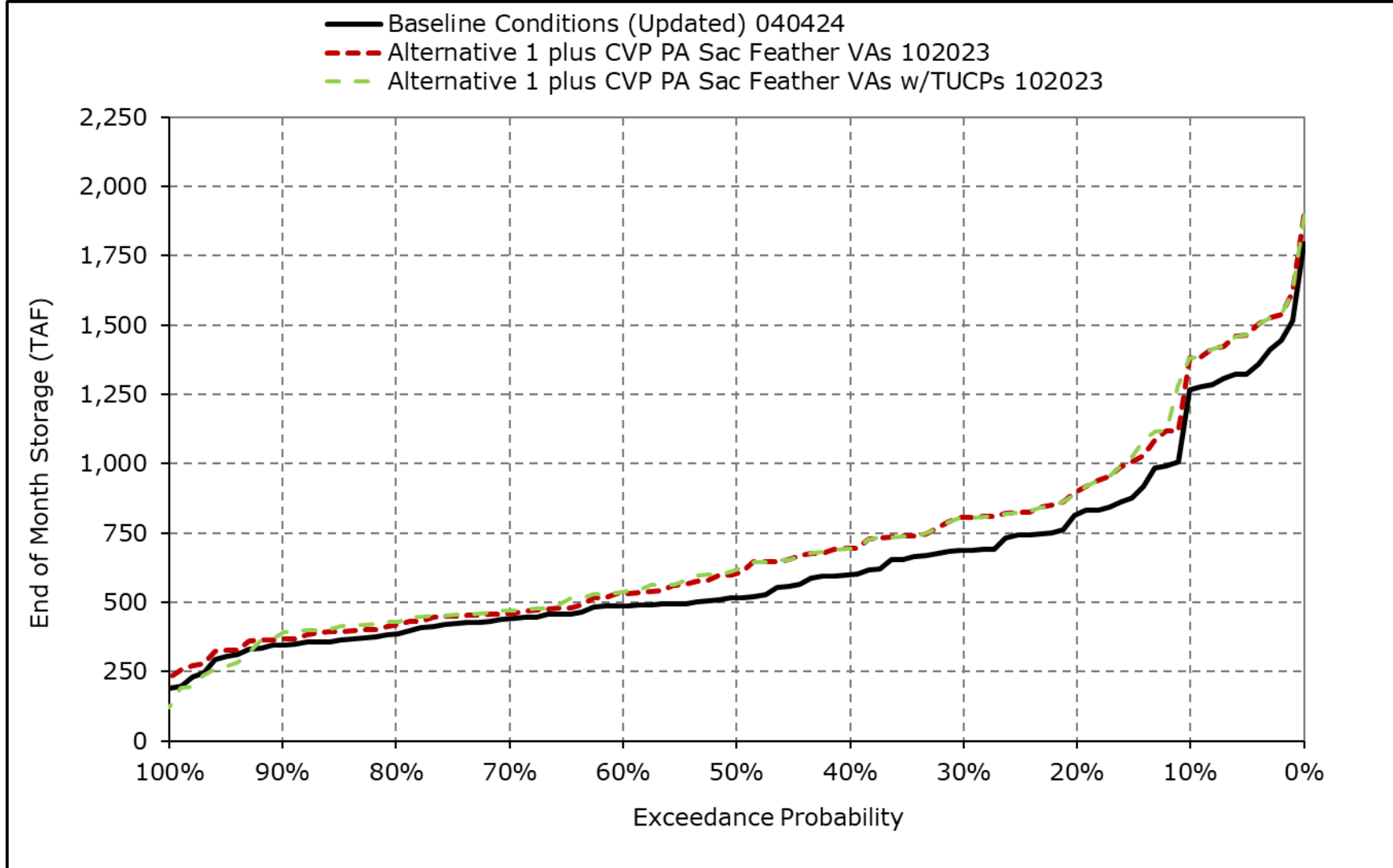
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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 (Updated) 040424, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	478	500	525	527	544	544	542	529	510	490	477	478
20% Exceedance	439	468	495	512	525	544	532	517	481	450	431	434
30% Exceedance	429	457	481	495	516	524	520	497	455	431	419	419
40% Exceedance	420	443	469	485	506	515	495	470	439	414	407	409
50% Exceedance	403	429	458	479	495	503	486	456	425	411	396	399
60% Exceedance	394	417	450	470	486	492	479	448	414	403	391	395
70% Exceedance	382	405	439	459	476	485	468	437	406	396	386	389
80% Exceedance	379	396	420	453	467	472	452	425	395	390	383	381
90% Exceedance	365	378	400	420	444	457	440	414	378	376	376	376
Full Simulation Period Average^a	412	433	458	476	493	502	489	466	435	420	408	410
Wet Water Years (30%)	423	452	482	501	520	529	527	511	482	459	443	441
Above Normal Water Years (11%)	406	429	456	480	501	512	499	477	440	419	415	413
Below Normal Water Years (21%)	420	443	466	480	493	501	477	441	402	396	399	409
Dry Water Years (22%)	410	428	453	467	478	487	466	435	405	401	384	385
Critical Water Years (16%)	384	393	414	435	457	468	460	447	427	406	384	384

Table 4F-2-3-1b. San Luis Reservoir (SWP and CVP), Alternative 1 plus CVP PA Sac Feather VAs 102023, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	488	505	531	533	544	544	544	538	519	496	481	489
20% Exceedance	454	478	505	513	527	542	536	525	494	458	438	442
30% Exceedance	435	465	489	498	522	530	526	515	470	448	429	433
40% Exceedance	422	449	472	487	509	511	504	486	450	429	415	420
50% Exceedance	410	437	463	481	495	502	492	475	442	418	407	410
60% Exceedance	399	426	456	474	487	490	481	467	433	414	398	401
70% Exceedance	392	410	443	462	478	486	475	459	424	411	394	391
80% Exceedance	380	398	430	453	464	470	465	449	411	398	386	386
90% Exceedance	372	380	403	416	446	458	445	431	388	387	378	379
Full Simulation Period Average^a	419	439	463	479	494	501	495	482	449	431	416	418
Wet Water Years (30%)	431	459	486	503	521	529	528	518	488	465	450	455
Above Normal Water Years (11%)	412	434	462	484	503	509	501	487	446	426	421	420
Below Normal Water Years (21%)	426	449	472	484	497	500	490	472	430	417	411	416
Dry Water Years (22%)	417	435	458	469	477	485	472	455	423	412	392	391
Critical Water Years (16%)	392	399	417	437	459	470	466	460	437	411	387	386

Table 4F-2-3-1c. San Luis Reservoir (SWP and CVP), Alternative 1 plus CVP PA Sac Feather VAs 102023 minus Baseline Conditions (Updated) 040424, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10	5	6	6	0	0	2	9	10	6	4	11
20% Exceedance	14	10	11	1	2	-2	5	8	14	9	8	8
30% Exceedance	6	8	8	3	6	7	5	17	16	17	10	13
40% Exceedance	3	6	3	1	3	-4	9	16	11	15	7	11
50% Exceedance	6	8	4	2	0	0	7	18	17	7	10	11
60% Exceedance	5	9	7	4	1	-1	2	19	18	11	7	6
70% Exceedance	10	6	4	3	1	1	8	22	18	15	8	3
80% Exceedance	1	2	10	0	-3	-1	13	24	16	8	3	5
90% Exceedance	7	2	3	-4	2	1	6	17	10	12	2	3
Full Simulation Period Average^a	7	6	5	3	2	-1	6	16	14	10	7	8
Wet Water Years (30%)	8	7	4	2	2	0	1	8	6	6	7	13
Above Normal Water Years (11%)	6	5	6	4	2	-3	2	10	6	7	6	8
Below Normal Water Years (21%)	7	5	6	4	4	-1	14	31	28	21	12	7
Dry Water Years (22%)	6	6	5	2	0	-2	6	19	18	11	8	7
Critical Water Years (16%)	8	6	3	2	2	1	6	12	10	6	3	2

^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 (Updated) 040424, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	478	500	525	527	544	544	542	529	510	490	477	478
20% Exceedance	439	468	495	512	525	544	532	517	481	450	431	434
30% Exceedance	429	457	481	495	516	524	520	497	455	431	419	419
40% Exceedance	420	443	469	485	506	515	495	470	439	414	407	409
50% Exceedance	403	429	458	479	495	503	486	456	425	411	396	399
60% Exceedance	394	417	450	470	486	492	479	448	414	403	391	395
70% Exceedance	382	405	439	459	476	485	468	437	406	396	386	389
80% Exceedance	379	396	420	453	467	472	452	425	395	390	383	381
90% Exceedance	365	378	400	420	444	457	440	414	378	376	376	376
Full Simulation Period Average^a	412	433	458	476	493	502	489	466	435	420	408	410
Wet Water Years (30%)	423	452	482	501	520	529	527	511	482	459	443	441
Above Normal Water Years (11%)	406	429	456	480	501	512	499	477	440	419	415	413
Below Normal Water Years (21%)	420	443	466	480	493	501	477	441	402	396	399	409
Dry Water Years (22%)	410	428	453	467	478	487	466	435	405	401	384	385
Critical Water Years (16%)	384	393	414	435	457	468	460	447	427	406	384	384

Table 4F-2-3-2b. San Luis Reservoir (SWP and CVP), Alternative 1 plus CVP PA Sac Feather VAs w/TUCPs 102023, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	488	505	531	534	544	544	544	538	520	500	483	489
20% Exceedance	453	479	506	515	527	544	536	527	488	456	438	442
30% Exceedance	436	467	489	499	522	530	527	515	470	446	429	432
40% Exceedance	425	450	473	487	509	515	505	486	451	431	415	420
50% Exceedance	412	435	463	482	496	504	494	476	442	419	408	411
60% Exceedance	399	428	456	474	487	491	480	466	433	416	398	402
70% Exceedance	393	413	444	463	478	485	475	458	425	410	394	393
80% Exceedance	383	407	430	453	464	470	464	449	411	399	388	387
90% Exceedance	373	382	408	426	445	459	446	431	387	386	378	382
Full Simulation Period Average^a	420	441	464	480	495	502	495	482	449	431	416	418
Wet Water Years (30%)	431	459	486	503	522	530	528	518	488	465	450	455
Above Normal Water Years (11%)	411	434	463	486	504	510	503	488	447	426	421	420
Below Normal Water Years (21%)	429	452	475	487	498	501	492	473	431	418	411	418
Dry Water Years (22%)	416	434	458	468	477	484	472	454	422	412	392	391
Critical Water Years (16%)	397	404	420	440	460	471	466	459	438	412	386	384

Table 4F-2-3-2c. San Luis Reservoir (SWP and CVP), Alternative 1 plus CVP PA Sac Feather VAs w/TUCPs 102023 minus Baseline Conditions (Updated) 040424, End of Month Elevation (Feet)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
10% Exceedance	10	5	6	7	0	0	2	9	10	10	6	11
20% Exceedance	14	11	11	3	2	0	5	10	8	6	7	8
30% Exceedance	6	10	8	4	6	7	7	17	16	15	10	13
40% Exceedance	5	7	4	2	4	0	10	16	12	17	7	11
50% Exceedance	9	6	4	2	2	2	8	20	17	8	12	12
60% Exceedance	5	12	7	4	2	-1	1	18	18	13	7	7
70% Exceedance	10	8	5	4	2	1	7	21	19	14	8	4
80% Exceedance	3	11	11	0	-3	-1	12	24	15	9	5	6
90% Exceedance	8	3	7	6	1	2	6	17	9	11	2	6
Full Simulation Period Average^a	8	8	6	4	2	0	6	16	14	11	7	8
Wet Water Years (30%)	8	7	4	2	2	0	1	8	6	6	7	13
Above Normal Water Years (11%)	5	4	8	5	3	-1	4	11	7	8	6	7
Below Normal Water Years (21%)	10	9	10	7	5	0	15	32	29	22	12	9
Dry Water Years (22%)	5	6	5	1	-1	-3	6	19	17	11	8	7
Critical Water Years (16%)	13	11	6	5	3	3	6	12	10	6	2	0

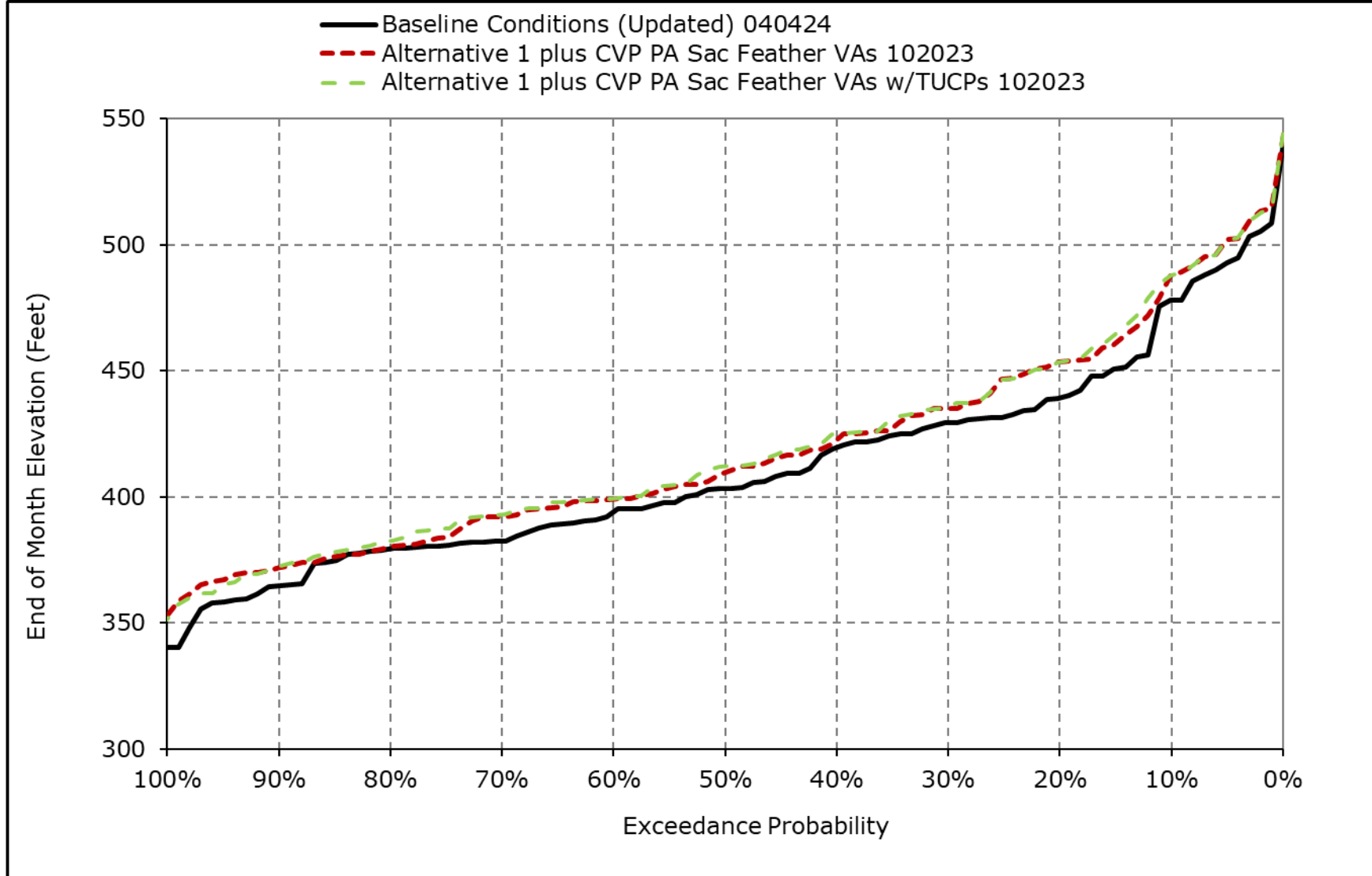
^a Based on the 100-year simulation period.

* 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).

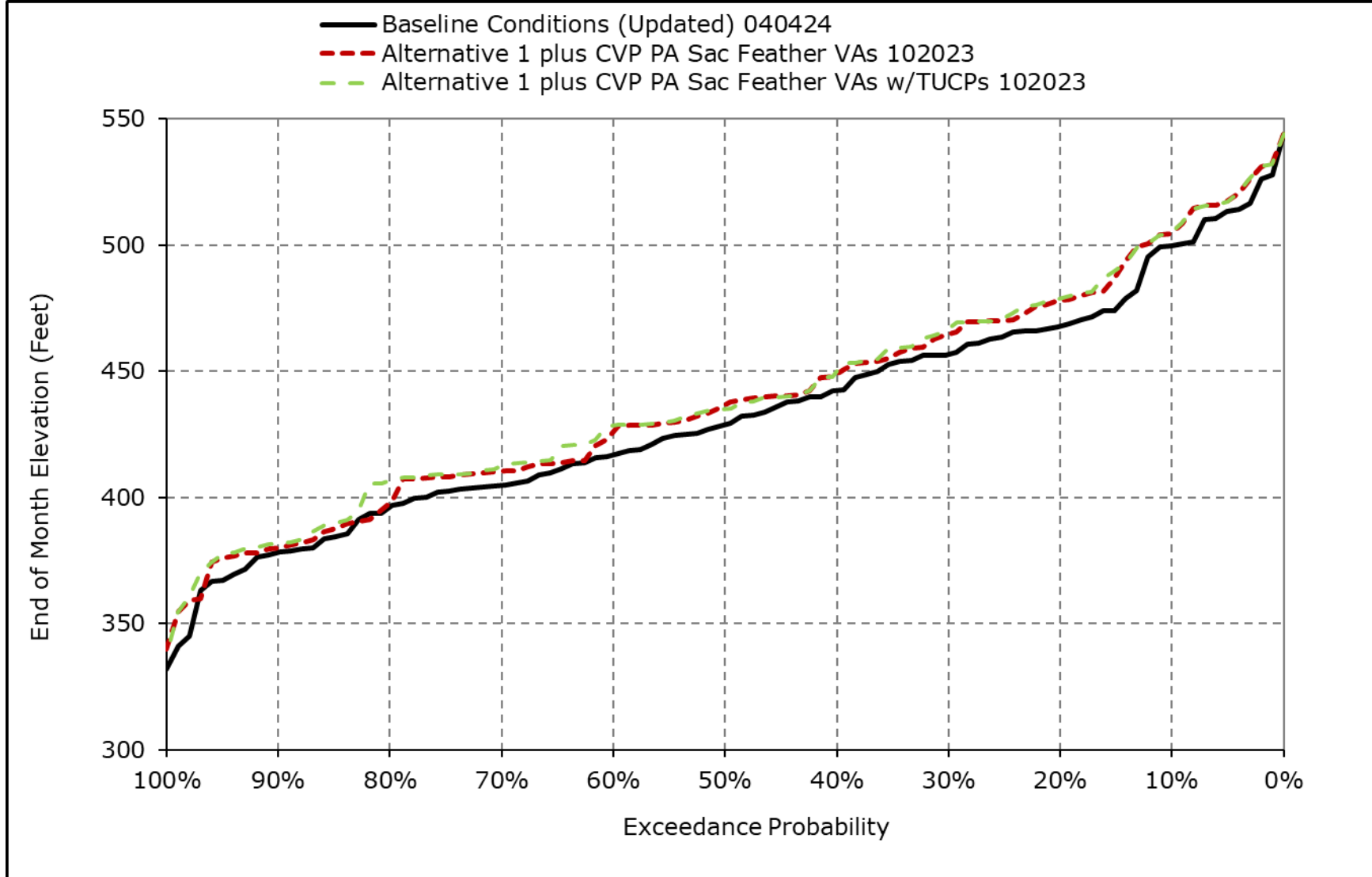
* Water Year Types results are displayed with water year - year type sorting.

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



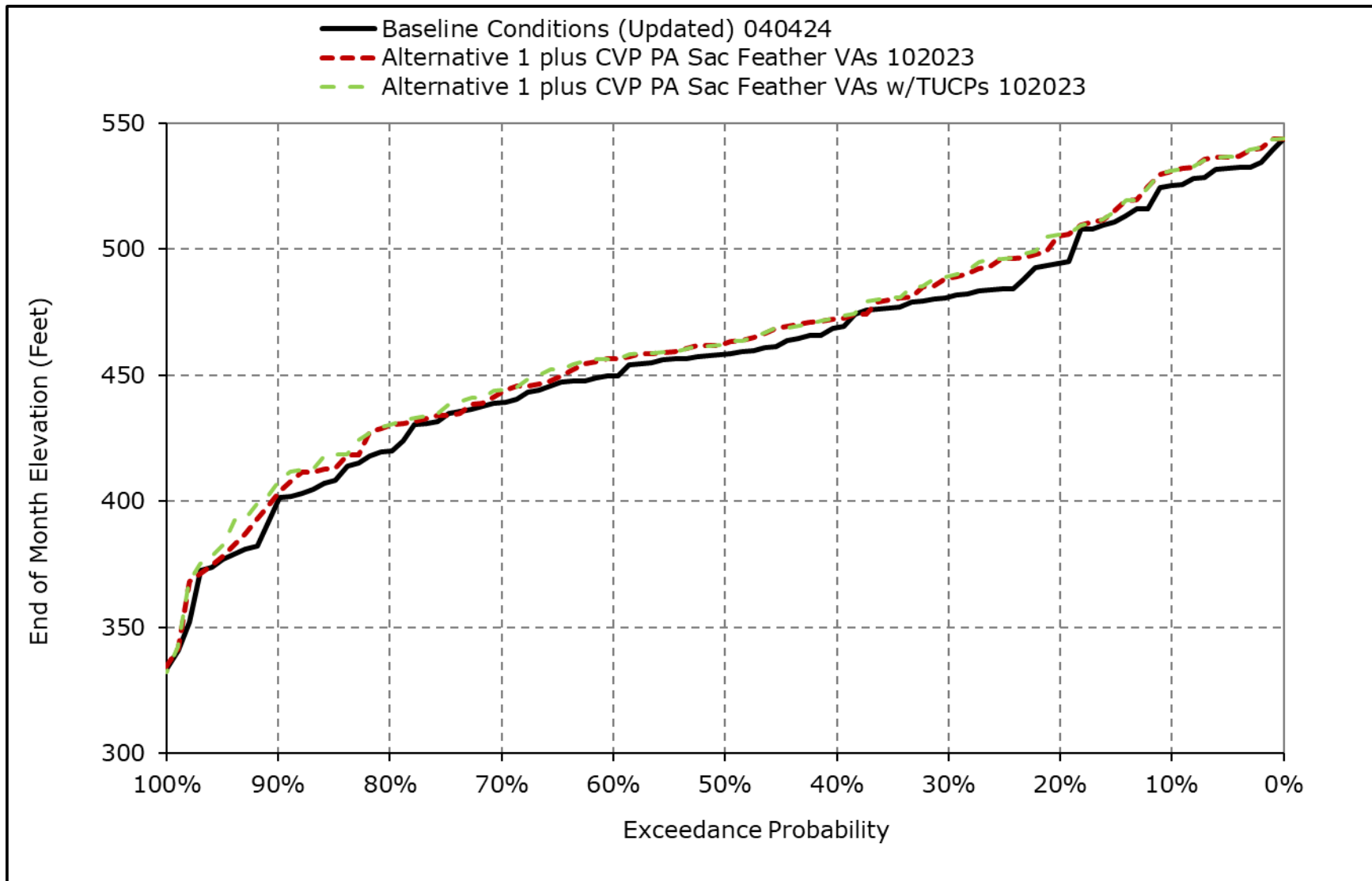
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



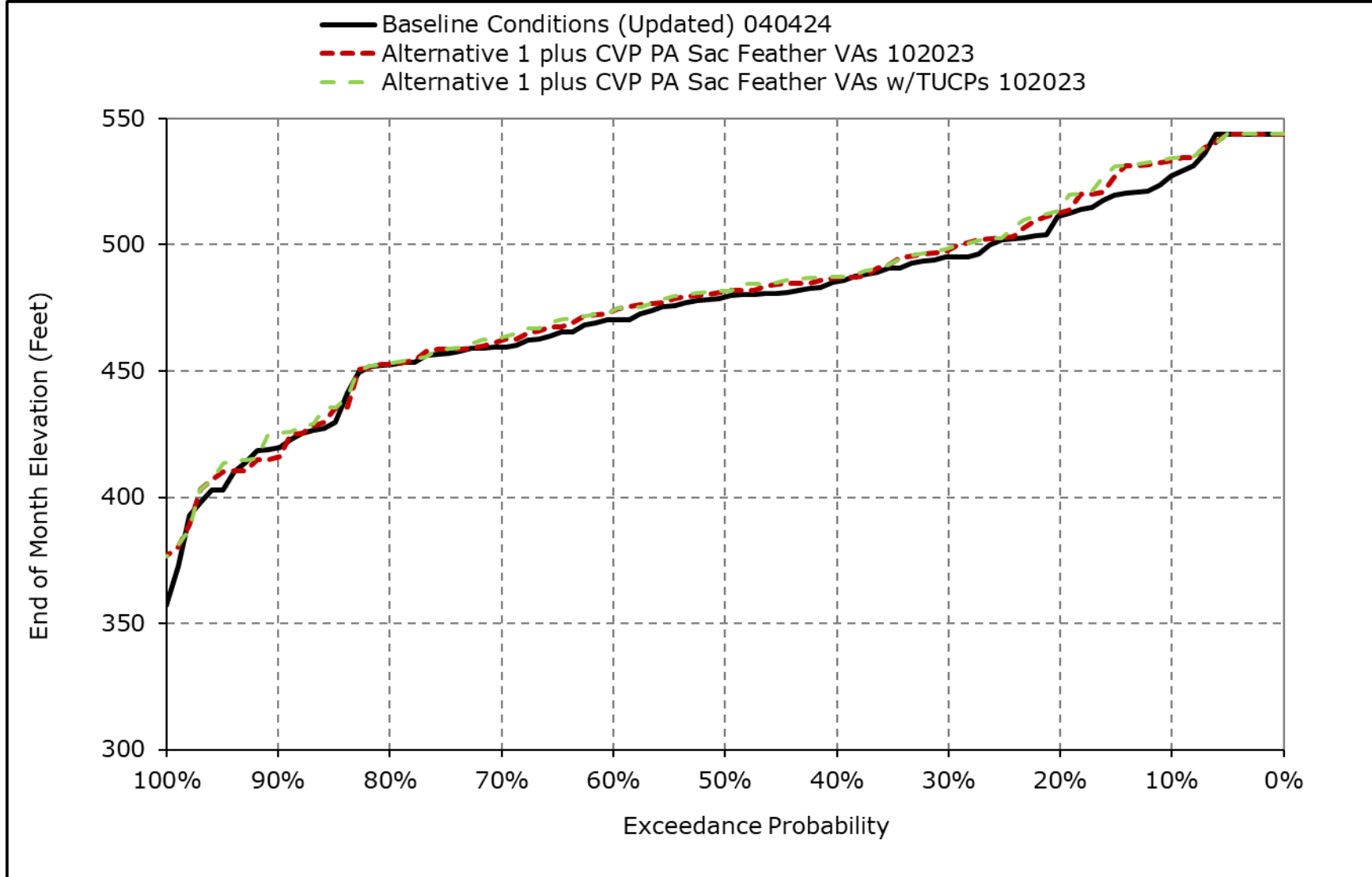
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



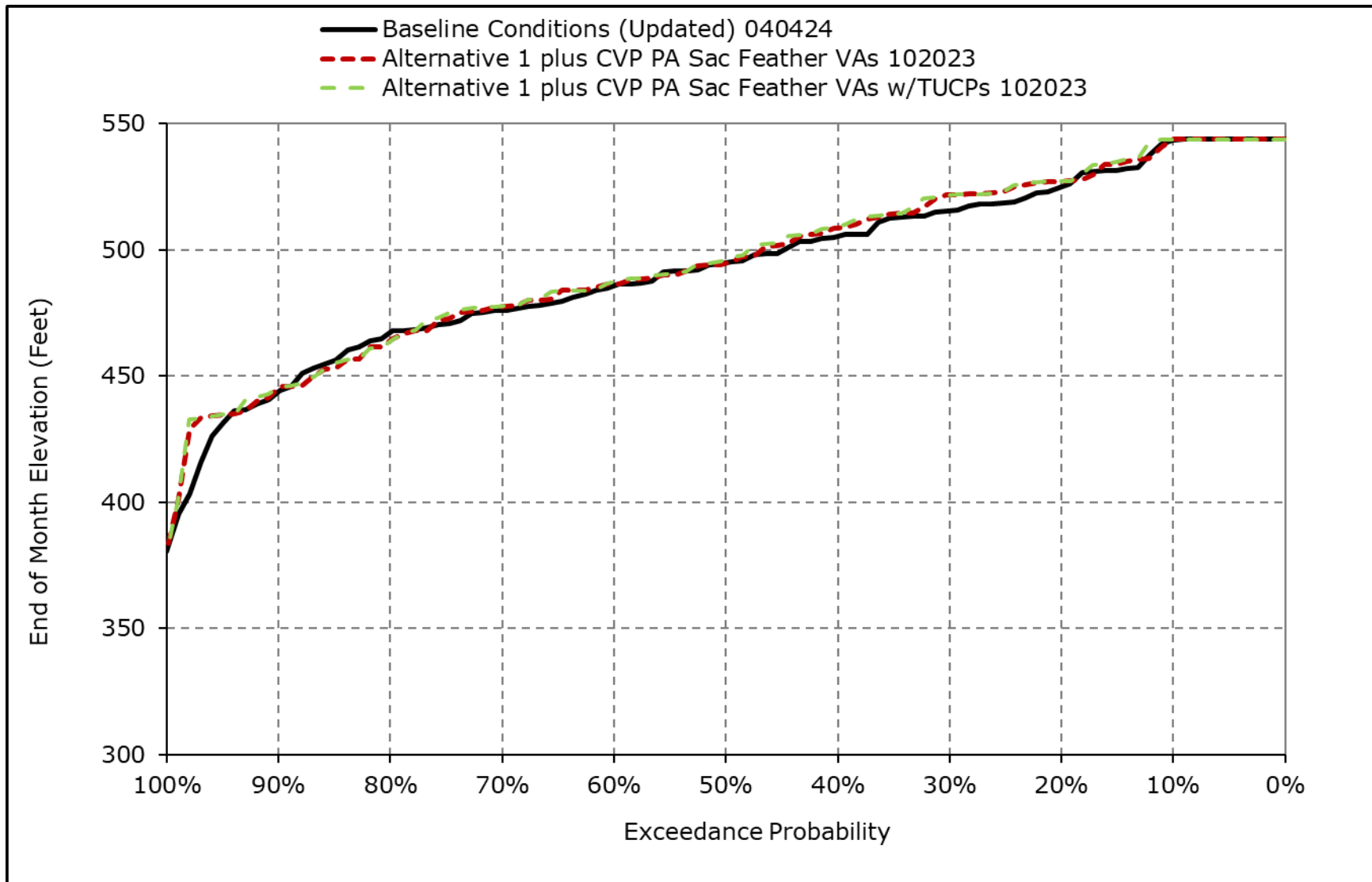
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



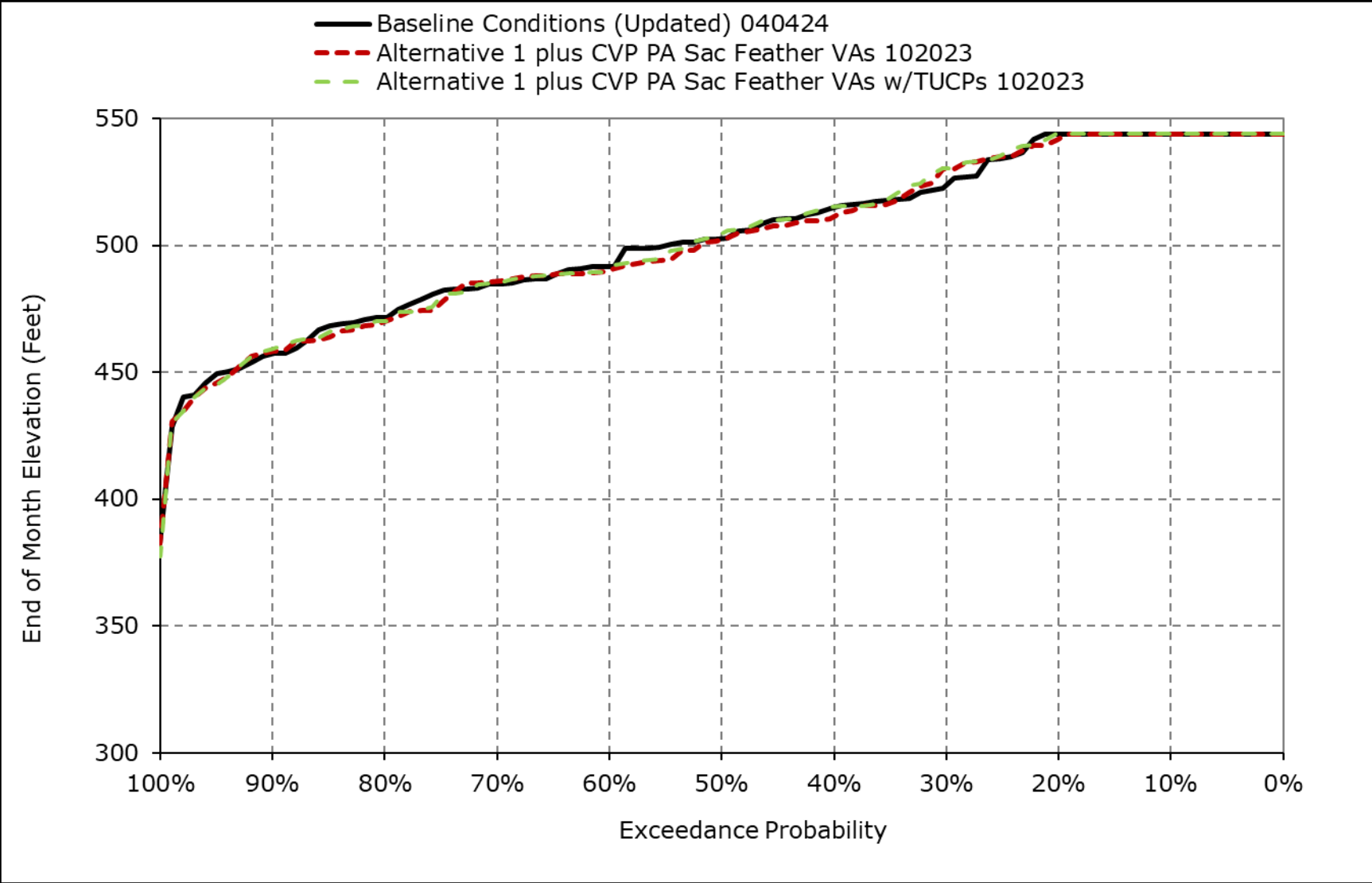
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



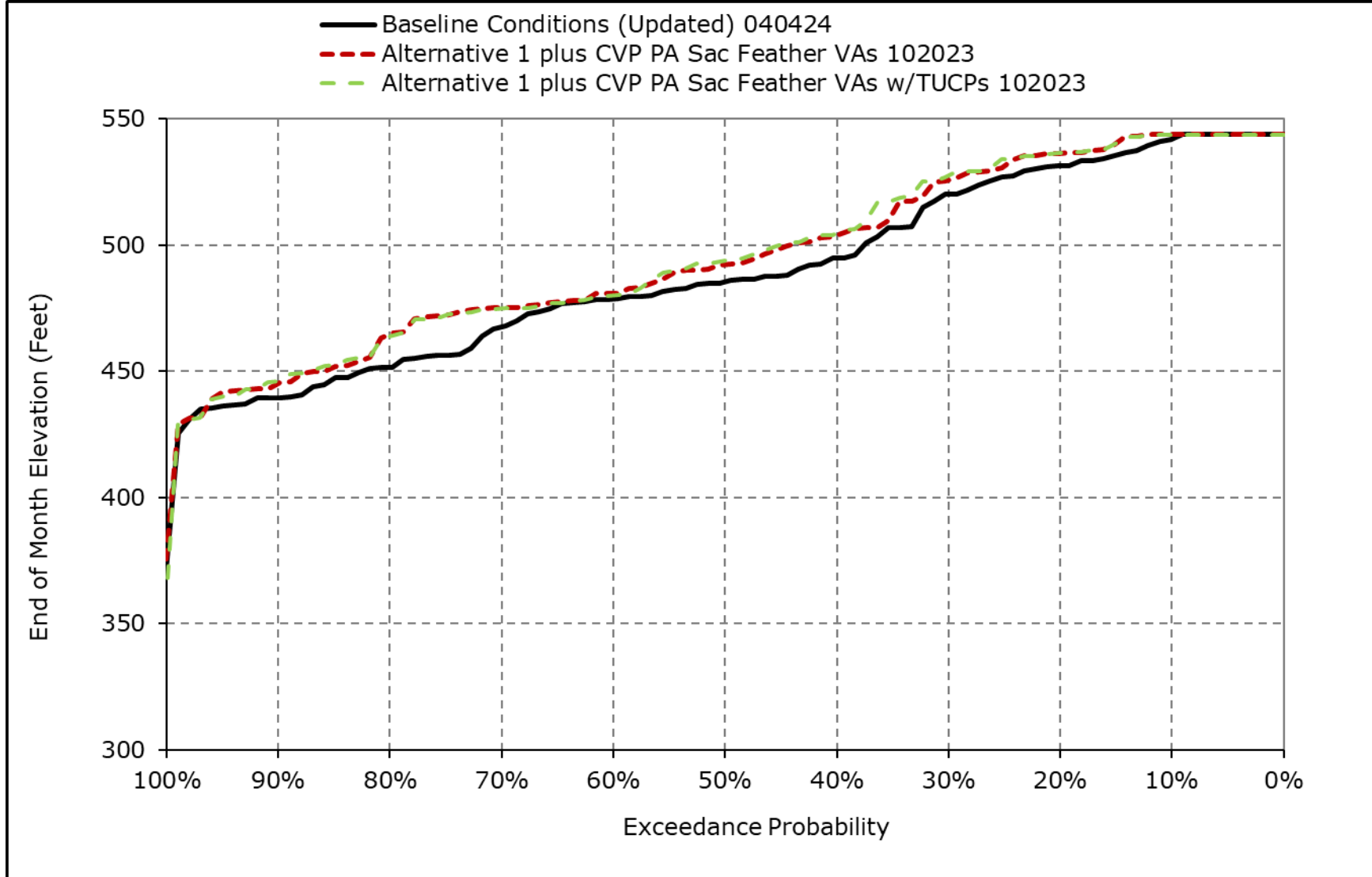
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



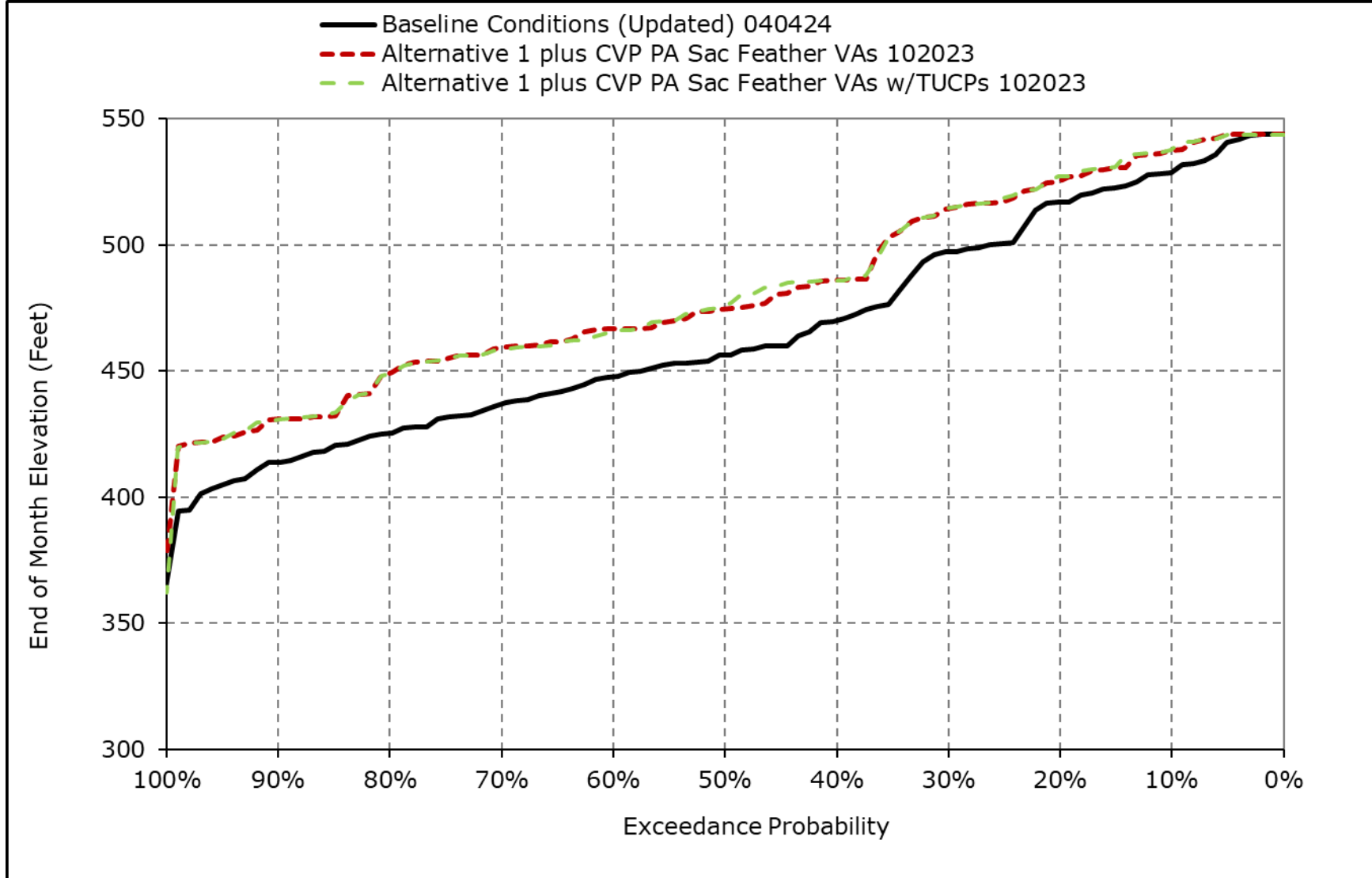
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



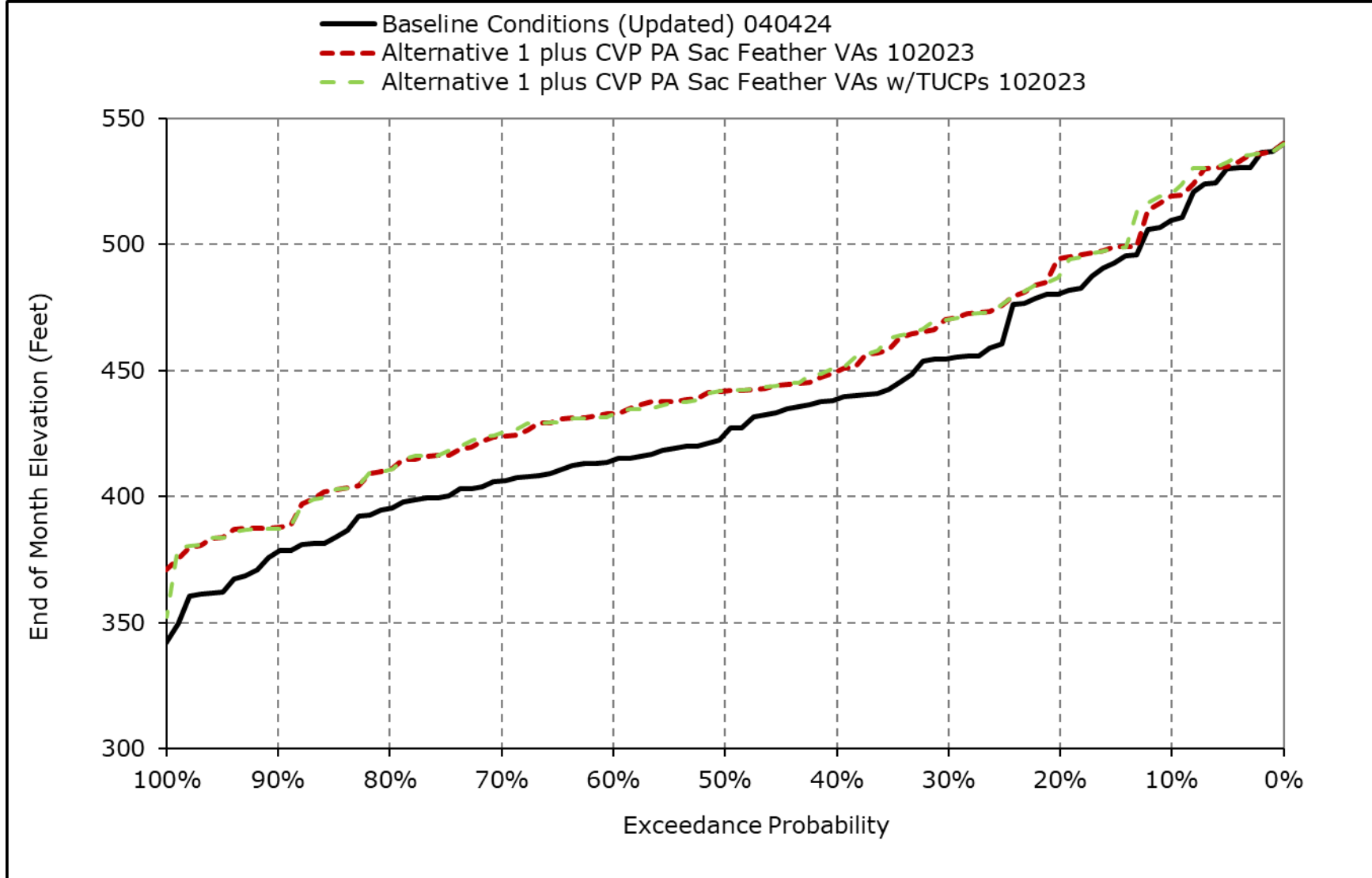
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



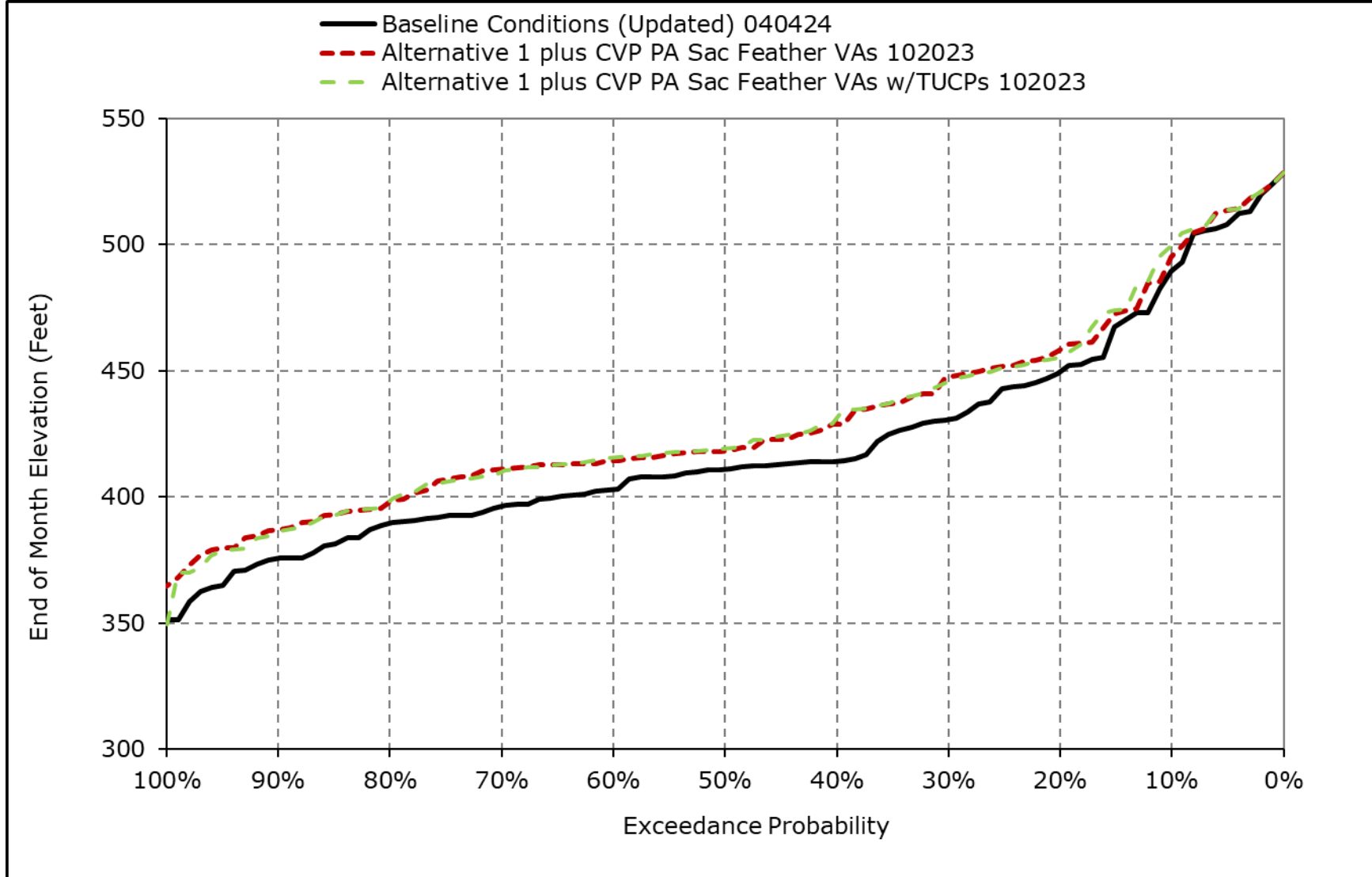
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



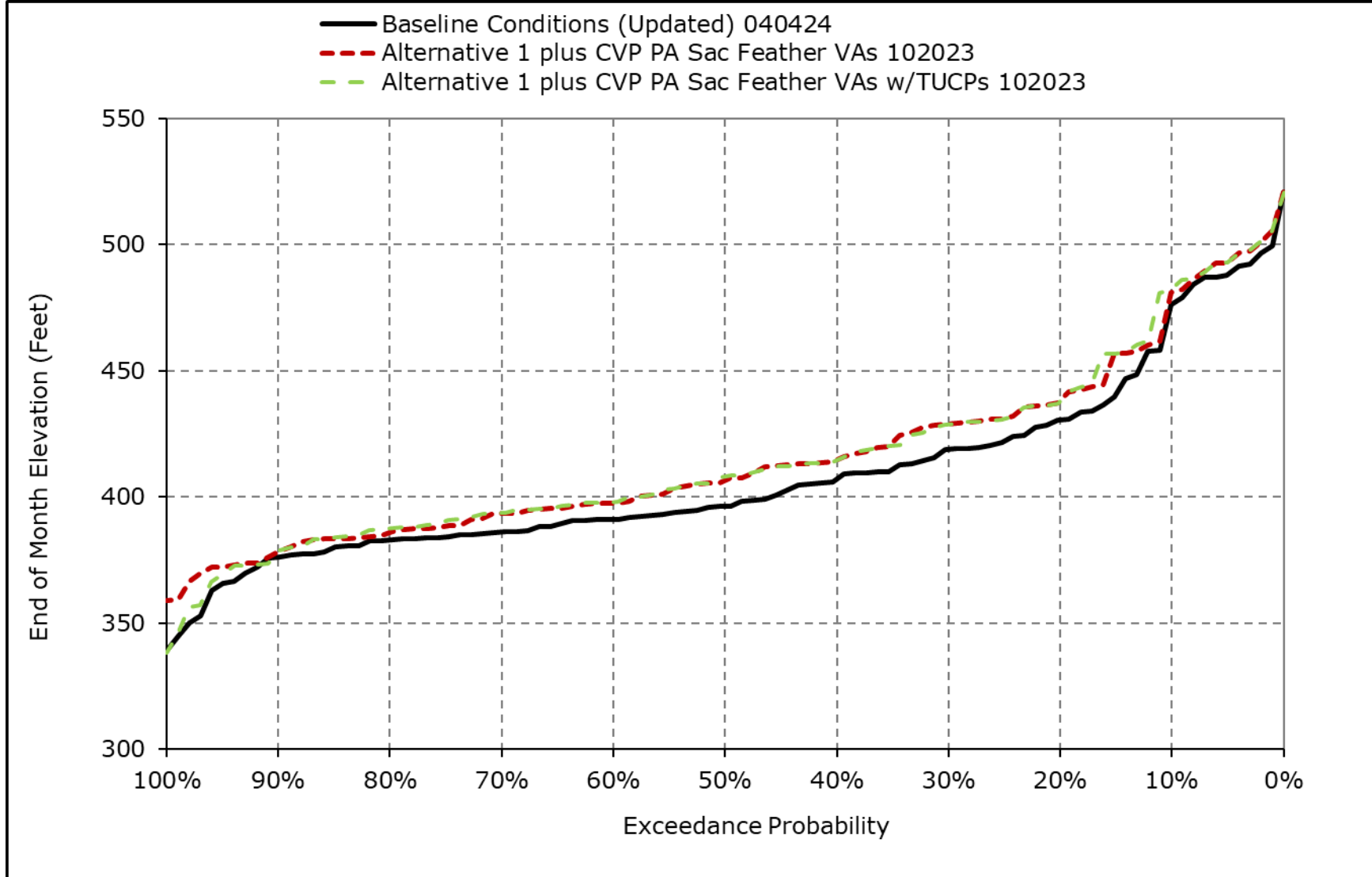
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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



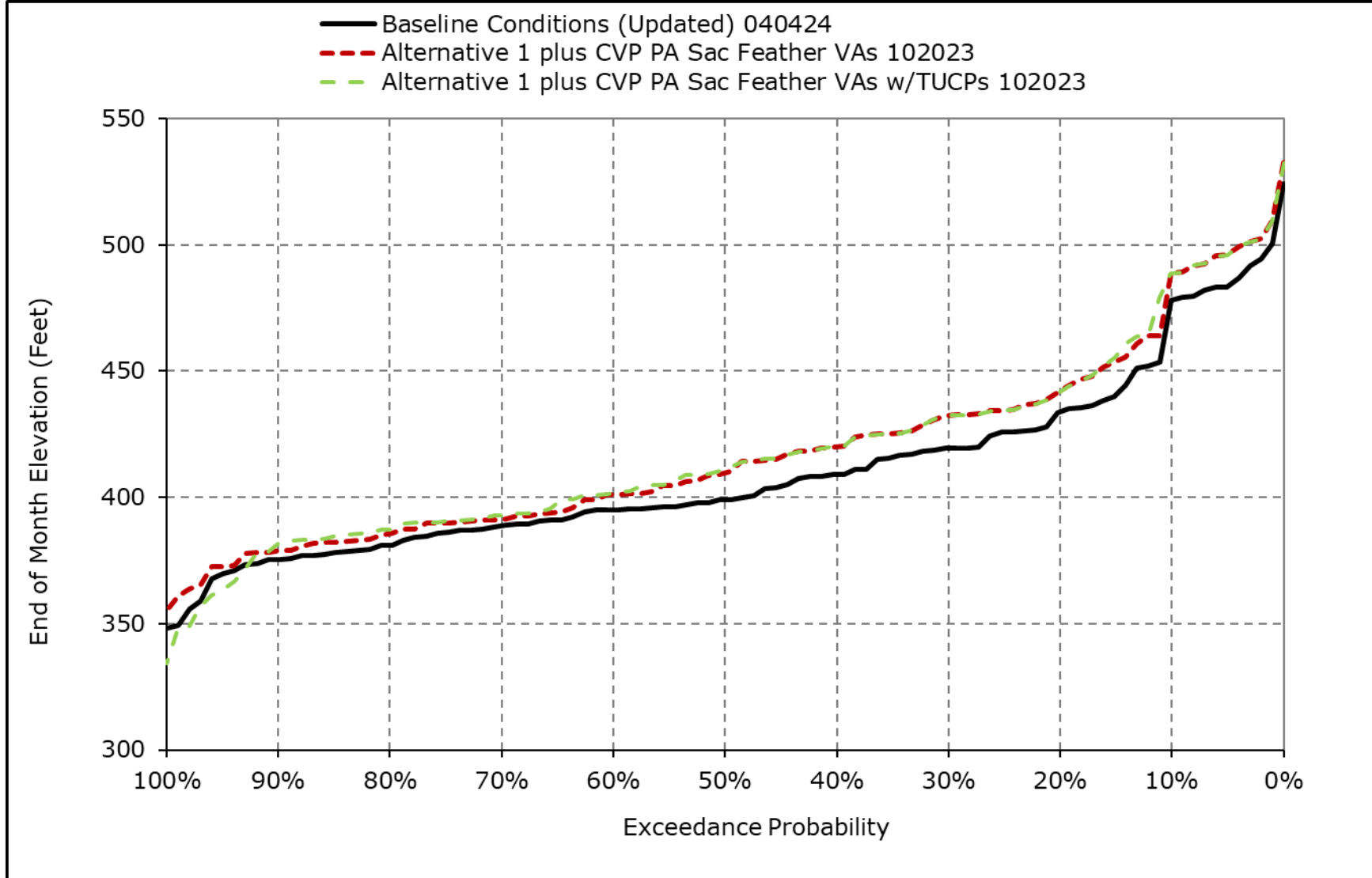
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

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.