Appendix 6C River Temperature Modeling Results

Appendix 6C – River Temperature Modeling
(HEC5Q and Reclamation Temperature Model)

The following results of the HEC5Q and Reclamation Temperature Model are included for temperature results at key project locations for the following alternatives:

- No Action Alternative 011221
- Alternative 1A 011221
- Alternative 1B 011221
- Alternative 2 011221
- Alternative 3 020121

Section	Output Parameters	Table Numbers	Figure Numbers
Trinity	Trinity River below Lewiston Dam	6C-1-1a to 6C-1-4c	6C-1-1 to 6C-1-18
Trinity	Clear Creek below Whiskeytown	6C-2-1a to 6C-2-4c	6C-2-1 to 6C-2-18
Trinity	Clear Creek at Igo	6C-3-1a to 6C-3-4c	6C-3-1 to 6C-3-18
Trinity	Clear Creek at Mouth	6C-4-1a to 6C-4-4c	6C-4-1 to 6C-4-18
Sacramento	Sacramento River below Keswick	6C-5-1a to 6C-5-4c	6C-5-1 to 6C-5-18
Sacramento	Sacramento River at Clear Creek	6C-6-1a to 6C-6-4c	6C-6-1 to 6C-6-18
Sacramento	Sacramento River at Balls Ferry	6C-7-1a to 6C-7-4c	6C-7-1 to 6C-7-18
Sacramento	Sacramento River at Jellys Ferry	6C-8-1a to 6C-8-4c	6C-8-1 to 6C-8-18
Sacramento	Sacramento River at Bend Bridge	6C-9-1a to 6C-9-4c	6C-9-1 to 6C-9-18
Sacramento	Sacramento River at Red Bluff	6C-10-1a to 6C-10-4c	6C-10-1 to 6C-10-18
Sacramento	Sacramento River below Hamilton City	6C-11-1a to 6C-11-4c	6C-11-1 to 6C-11-18
Sacramento	Sacramento River at Butte City	6C-12-1a to 6C-12-4c	6C-12-1 to 6C-12-18
American	American River below Nimbus Dam	6C-13-1a to 6C-13-4c	6C-13-1 to 6C-13-18
American	American River at Watt Avenue	6C-14-1a to 6C-14-4c	6C-14-1 to 6C-14-18
American	American River at the Mouth	6C-15-1a to 6C-15-4c	6C-15-1 to 6C-15-18
Feather	Feather River Low Flow Channel	6C-16-1a to 6C-16-4c	6C-16-1 to 6C-16-18
Feather	Feather River at Robinson Riffle	6C-17-1a to 6C-17-4c	6C-17-1 to 6C-17-18
Feather	Feather River at Gridley Bridge	6C-18-1a to 6C-18-4c	6C-18-1 to 6C-18-18
Feather	Feather River at Mouth	6C-19-1a to 6C-19-4c	6C-19-1 to 6C-19-18

Report formats

- Monthly tables comparing an alternative against the No Action alternative (exceedance values, long-term average, and average by water year type)
- Monthly pattern charts (long-term average and average by water year type) including all alternatives
- Monthly exceedance charts (all months) including all alternatives

Table 6C-1-1a. Trinity River below Lewiston Dam, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.0	49.4	47.0	46.2	46.6	48.8	49.5	47.7	50.8	50.8	50.3	50.6
20%	50.3	48.6	46.7	45.7	46.3	48.3	48.7	46.9	49.8	49.9	49.6	50.0
30%	49.7	48.2	46.3	45.2	46.0	48.0	48.4	46.6	48.9	49.4	49.0	49.1
40%	49.3	47.6	45.9	44.7	45.7	47.7	48.2	46.2	48.3	49.1	48.7	48.7
50%	48.5	47.3	45.6	44.6	45.4	47.3	47.9	45.8	47.9	48.6	48.5	48.4
60%	48.1	46.9	45.4	44.5	45.1	46.7	47.7	45.3	47.4	48.2	48.2	47.7
70%	47.6	46.6	45.2	44.2	44.7	46.1	47.2	45.0	46.9	47.9	48.0	47.3
80%	47.2	46.4	44.7	43.9	44.4	45.4	46.9	44.7	46.3	47.5	47.6	46.9
90%	46.5	45.8	44.3	43.5	43.8	44.6	46.0	44.3	45.4	47.0	47.1	46.5
Long Term												
Full Simulation Period[a]	48.8	47.5	45.7	44.7	45.4	46.9	47.8	45.9	48.0	48.7	48.6	48.4
Water Year Types[b,c]												
Wet (32%)	47.1	46.7	45.3	44.3	44.7	45.8	47.0	44.9	46.3	48.0	48.1	47.2
Above Normal (15%)	48.3	46.5	45.3	44.7	45.1	46.6	47.8	45.3	47.4	48.3	47.7	47.6
Below Normal (17%)	49.2	47.5	45.4	44.5	45.0	46.5	47.6	45.7	48.3	48.9	48.5	48.5
Dry (22%)	49.3	47.8	45.9	44.9	45.8	48.0	48.4	46.4	48.8	48.8	48.8	49.0
Critical (15%)	51.5	49.3	46.9	45.9	46.8	48.5	48.5	48.1	51.0	50.6	50.4	50.9

Table 6C-1-1b. Trinity River below Lewiston Dam, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.0	49.4	47.0	46.2	46.6	48.8	49.5	47.7	50.8	50.8	50.3	50.6
20%	50.3	48.6	46.7	45.7	46.3	48.3	48.7	46.9	49.8	49.9	49.6	50.0
30%	49.7	48.2	46.3	45.2	46.0	48.0	48.4	46.6	48.9	49.5	49.0	49.1
40%	49.3	47.6	45.9	44.7	45.7	47.7	48.2	46.2	48.3	49.1	48.7	48.7
50%	48.5	47.3	45.6	44.6	45.4	47.3	47.9	45.8	47.9	48.6	48.5	48.4
60%	48.1	46.9	45.4	44.5	45.1	46.7	47.7	45.3	47.4	48.2	48.2	47.7
70%	47.6	46.6	45.2	44.2	44.7	46.1	47.2	45.0	46.9	47.9	48.0	47.3
80%	47.2	46.4	44.7	43.9	44.4	45.4	46.9	44.7	46.3	47.5	47.6	46.9
90%	46.5	45.8	44.3	43.5	43.8	44.6	46.0	44.3	45.4	47.0	47.1	46.5
Long Term												
Full Simulation Period[a]	48.8	47.5	45.7	44.7	45.4	46.9	47.8	45.9	48.1	48.7	48.6	48.4
Water Year Types[b,c]												
Wet (32%)	47.1	46.7	45.3	44.3	44.7	45.8	47.0	44.9	46.3	48.0	48.1	47.2
Above Normal (15%)	48.3	46.5	45.3	44.6	45.1	46.6	47.8	45.3	47.4	48.3	47.7	47.6
Below Normal (17%)	49.2	47.5	45.4	44.5	45.0	46.5	47.6	45.7	48.3	48.9	48.5	48.5
Dry (22%)	49.3	47.8	45.9	44.9	45.8	48.0	48.4	46.4	48.8	48.8	48.8	49.0
Critical (15%)	51.5	49.3	46.9	45.9	46.8	48.5	48.5	48.1	51.0	50.6	50.4	50.9

Table 6C-1-1c. Trinity River below Lewiston Dam, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-1-2a. Trinity River below Lewiston Dam, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.0	49.4	47.0	46.2	46.6	48.8	49.5	47.7	50.8	50.8	50.3	50.6
20%	50.3	48.6	46.7	45.7	46.3	48.3	48.7	46.9	49.8	49.9	49.6	50.0
30%	49.7	48.2	46.3	45.2	46.0	48.0	48.4	46.6	48.9	49.4	49.0	49.1
40%	49.3	47.6	45.9	44.7	45.7	47.7	48.2	46.2	48.3	49.1	48.7	48.7
50%	48.5	47.3	45.6	44.6	45.4	47.3	47.9	45.8	47.9	48.6	48.5	48.4
60%	48.1	46.9	45.4	44.5	45.1	46.7	47.7	45.3	47.4	48.2	48.2	47.7
70%	47.6	46.6	45.2	44.2	44.7	46.1	47.2	45.0	46.9	47.9	48.0	47.3
80%	47.2	46.4	44.7	43.9	44.4	45.4	46.9	44.7	46.3	47.5	47.6	46.9
90%	46.5	45.8	44.3	43.5	43.8	44.6	46.0	44.3	45.4	47.0	47.1	46.5
Long Term												
Full Simulation Period[a]	48.8	47.5	45.7	44.7	45.4	46.9	47.8	45.9	48.0	48.7	48.6	48.4
Water Year Types[b,c]												
Wet (32%)	47.1	46.7	45.3	44.3	44.7	45.8	47.0	44.9	46.3	48.0	48.1	47.2
Above Normal (15%)	48.3	46.5	45.3	44.7	45.1	46.6	47.8	45.3	47.4	48.3	47.7	47.6
Below Normal (17%)	49.2	47.5	45.4	44.5	45.0	46.5	47.6	45.7	48.3	48.9	48.5	48.5
Dry (22%)	49.3	47.8	45.9	44.9	45.8	48.0	48.4	46.4	48.8	48.8	48.8	49.0
Critical (15%)	51.5	49.3	46.9	45.9	46.8	48.5	48.5	48.1	51.0	50.6	50.4	50.9

Table 6C-1-2b. Trinity River below Lewiston Dam, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.0	49.4	47.0	46.2	46.6	48.8	49.5	47.7	50.8	50.8	50.3	50.6
20%	50.3	48.6	46.7	45.7	46.3	48.3	48.7	46.9	49.8	49.9	49.6	50.0
30%	49.7	48.2	46.3	45.2	46.0	48.0	48.4	46.6	48.9	49.5	49.0	49.1
40%	49.3	47.6	45.9	44.7	45.7	47.7	48.2	46.2	48.3	49.1	48.7	48.7
50%	48.5	47.3	45.6	44.6	45.4	47.3	47.9	45.8	47.9	48.6	48.5	48.4
60%	48.1	46.9	45.4	44.5	45.1	46.7	47.7	45.3	47.4	48.2	48.2	47.7
70%	47.6	46.6	45.2	44.2	44.7	46.1	47.2	45.0	46.9	47.9	48.0	47.3
80%	47.2	46.4	44.7	43.9	44.4	45.4	46.9	44.7	46.3	47.5	47.6	46.9
90%	46.5	45.8	44.3	43.5	43.8	44.6	46.0	44.3	45.4	47.0	47.1	46.5
Long Term												
Full Simulation Period[a]	48.8	47.5	45.7	44.7	45.4	46.9	47.8	45.9	48.1	48.7	48.6	48.4
Water Year Types[b,c]												
Wet (32%)	47.1	46.7	45.3	44.3	44.7	45.8	47.0	44.9	46.3	48.0	48.1	47.2
Above Normal (15%)	48.3	46.5	45.3	44.6	45.1	46.6	47.8	45.3	47.4	48.3	47.7	47.6
Below Normal (17%)	49.2	47.5	45.4	44.5	45.0	46.5	47.6	45.7	48.3	48.9	48.5	48.5
Dry (22%)	49.3	47.8	45.9	44.9	45.8	48.0	48.4	46.4	48.8	48.8	48.8	49.0
Critical (15%)	51.5	49.3	46.9	45.9	46.8	48.5	48.5	48.1	51.0	50.6	50.4	50.9

Table 6C-1-2c. Trinity River below Lewiston Dam, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-1-3a. Trinity River below Lewiston Dam, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.0	49.4	47.0	46.2	46.6	48.8	49.5	47.7	50.8	50.8	50.3	50.6
20%	50.3	48.6	46.7	45.7	46.3	48.3	48.7	46.9	49.8	49.9	49.6	50.0
30%	49.7	48.2	46.3	45.2	46.0	48.0	48.4	46.6	48.9	49.4	49.0	49.1
40%	49.3	47.6	45.9	44.7	45.7	47.7	48.2	46.2	48.3	49.1	48.7	48.7
50%	48.5	47.3	45.6	44.6	45.4	47.3	47.9	45.8	47.9	48.6	48.5	48.4
60%	48.1	46.9	45.4	44.5	45.1	46.7	47.7	45.3	47.4	48.2	48.2	47.7
70%	47.6	46.6	45.2	44.2	44.7	46.1	47.2	45.0	46.9	47.9	48.0	47.3
80%	47.2	46.4	44.7	43.9	44.4	45.4	46.9	44.7	46.3	47.5	47.6	46.9
90%	46.5	45.8	44.3	43.5	43.8	44.6	46.0	44.3	45.4	47.0	47.1	46.5
Long Term												
Full Simulation Period[a]	48.8	47.5	45.7	44.7	45.4	46.9	47.8	45.9	48.0	48.7	48.6	48.4
Water Year Types[b,c]												
Wet (32%)	47.1	46.7	45.3	44.3	44.7	45.8	47.0	44.9	46.3	48.0	48.1	47.2
Above Normal (15%)	48.3	46.5	45.3	44.7	45.1	46.6	47.8	45.3	47.4	48.3	47.7	47.6
Below Normal (17%)	49.2	47.5	45.4	44.5	45.0	46.5	47.6	45.7	48.3	48.9	48.5	48.5
Dry (22%)	49.3	47.8	45.9	44.9	45.8	48.0	48.4	46.4	48.8	48.8	48.8	49.0
Critical (15%)	51.5	49.3	46.9	45.9	46.8	48.5	48.5	48.1	51.0	50.6	50.4	50.9

Table 6C-1-3b. Trinity River below Lewiston Dam, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.0	49.4	47.0	46.2	46.6	48.8	49.5	47.7	50.8	50.8	50.3	50.6
20%	50.3	48.6	46.7	45.7	46.3	48.3	48.7	46.9	49.8	49.9	49.6	50.0
30%	49.7	48.2	46.3	45.2	46.0	48.0	48.4	46.6	48.9	49.5	49.0	49.1
40%	49.3	47.6	45.9	44.7	45.7	47.7	48.2	46.2	48.3	49.1	48.7	48.7
50%	48.5	47.3	45.6	44.6	45.4	47.3	47.9	45.8	47.9	48.6	48.5	48.4
60%	48.1	46.9	45.4	44.5	45.1	46.7	47.7	45.3	47.4	48.2	48.2	47.7
70%	47.6	46.6	45.2	44.2	44.7	46.1	47.2	45.0	46.9	47.9	48.0	47.3
80%	47.2	46.4	44.7	43.9	44.4	45.4	46.9	44.7	46.3	47.5	47.6	46.9
90%	46.5	45.8	44.3	43.5	43.8	44.6	46.0	44.3	45.4	47.0	47.1	46.5
Long Term												
Full Simulation Period[a]	48.8	47.5	45.7	44.7	45.4	46.9	47.8	45.9	48.1	48.7	48.6	48.4
Water Year Types[b,c]												
Wet (32%)	47.1	46.7	45.3	44.3	44.7	45.8	47.0	44.9	46.3	48.0	48.1	47.2
Above Normal (15%)	48.3	46.5	45.3	44.6	45.1	46.6	47.8	45.3	47.4	48.3	47.7	47.6
Below Normal (17%)	49.2	47.5	45.4	44.5	45.0	46.5	47.6	45.7	48.3	48.9	48.5	48.5
Dry (22%)	49.3	47.8	45.9	44.9	45.8	48.0	48.4	46.4	48.8	48.8	48.8	49.0
Critical (15%)	51.5	49.3	46.9	45.9	46.8	48.5	48.5	48.1	51.0	50.6	50.4	50.9

Table 6C-1-3c. Trinity River below Lewiston Dam, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-1-4a. Trinity River below Lewiston Dam, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.0	49.4	47.0	46.2	46.6	48.8	49.5	47.7	50.8	50.8	50.3	50.6
20%	50.3	48.6	46.7	45.7	46.3	48.3	48.7	46.9	49.8	49.9	49.6	50.0
30%	49.7	48.2	46.3	45.2	46.0	48.0	48.4	46.6	48.9	49.4	49.0	49.1
40%	49.3	47.6	45.9	44.7	45.7	47.7	48.2	46.2	48.3	49.1	48.7	48.7
50%	48.5	47.3	45.6	44.6	45.4	47.3	47.9	45.8	47.9	48.6	48.5	48.4
60%	48.1	46.9	45.4	44.5	45.1	46.7	47.7	45.3	47.4	48.2	48.2	47.7
70%	47.6	46.6	45.2	44.2	44.7	46.1	47.2	45.0	46.9	47.9	48.0	47.3
80%	47.2	46.4	44.7	43.9	44.4	45.4	46.9	44.7	46.3	47.5	47.6	46.9
90%	46.5	45.8	44.3	43.5	43.8	44.6	46.0	44.3	45.4	47.0	47.1	46.5
Long Term												
Full Simulation Period[a]	48.8	47.5	45.7	44.7	45.4	46.9	47.8	45.9	48.0	48.7	48.6	48.4
Water Year Types[b,c]												
Wet (32%)	47.1	46.7	45.3	44.3	44.7	45.8	47.0	44.9	46.3	48.0	48.1	47.2
Above Normal (15%)	48.3	46.5	45.3	44.7	45.1	46.6	47.8	45.3	47.4	48.3	47.7	47.6
Below Normal (17%)	49.2	47.5	45.4	44.5	45.0	46.5	47.6	45.7	48.3	48.9	48.5	48.5
Dry (22%)	49.3	47.8	45.9	44.9	45.8	48.0	48.4	46.4	48.8	48.8	48.8	49.0
Critical (15%)	51.5	49.3	46.9	45.9	46.8	48.5	48.5	48.1	51.0	50.6	50.4	50.9

Table 6C-1-4b. Trinity River below Lewiston Dam, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.0	49.4	47.0	46.2	46.6	48.8	49.5	47.7	50.8	50.8	50.3	50.6
20%	50.3	48.6	46.7	45.7	46.3	48.3	48.7	46.9	49.8	49.9	49.6	50.0
30%	49.7	48.2	46.3	45.2	46.0	48.0	48.4	46.6	48.9	49.5	49.0	49.1
40%	49.3	47.6	45.9	44.7	45.7	47.7	48.2	46.2	48.3	49.1	48.7	48.7
50%	48.5	47.3	45.6	44.6	45.4	47.3	47.9	45.8	47.9	48.6	48.5	48.4
60%	48.1	46.9	45.4	44.5	45.1	46.7	47.7	45.3	47.4	48.2	48.2	47.7
70%	47.6	46.6	45.2	44.2	44.7	46.1	47.2	45.0	46.9	47.9	48.0	47.3
80%	47.2	46.4	44.7	43.9	44.4	45.4	46.9	44.7	46.3	47.5	47.6	46.9
90%	46.5	45.8	44.3	43.5	43.8	44.6	46.0	44.3	45.4	47.0	47.1	46.5
Long Term												
Full Simulation Period[a]	48.8	47.5	45.7	44.7	45.4	46.9	47.8	45.9	48.1	48.7	48.6	48.4
Water Year Types[b,c]												
Wet (32%)	47.1	46.7	45.3	44.3	44.7	45.8	47.0	44.9	46.3	48.0	48.1	47.2
Above Normal (15%)	48.3	46.5	45.3	44.6	45.1	46.6	47.8	45.3	47.4	48.3	47.7	47.6
Below Normal (17%)	49.2	47.5	45.4	44.5	45.0	46.5	47.6	45.7	48.3	48.9	48.5	48.5
Dry (22%)	49.3	47.8	45.9	44.9	45.8	48.0	48.4	46.4	48.8	48.8	48.8	49.0
Critical (15%)	51.5	49.3	46.9	45.9	46.8	48.5	48.5	48.1	51.0	50.6	50.4	50.9

Table 6C-1-4c. Trinity River below Lewiston Dam, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

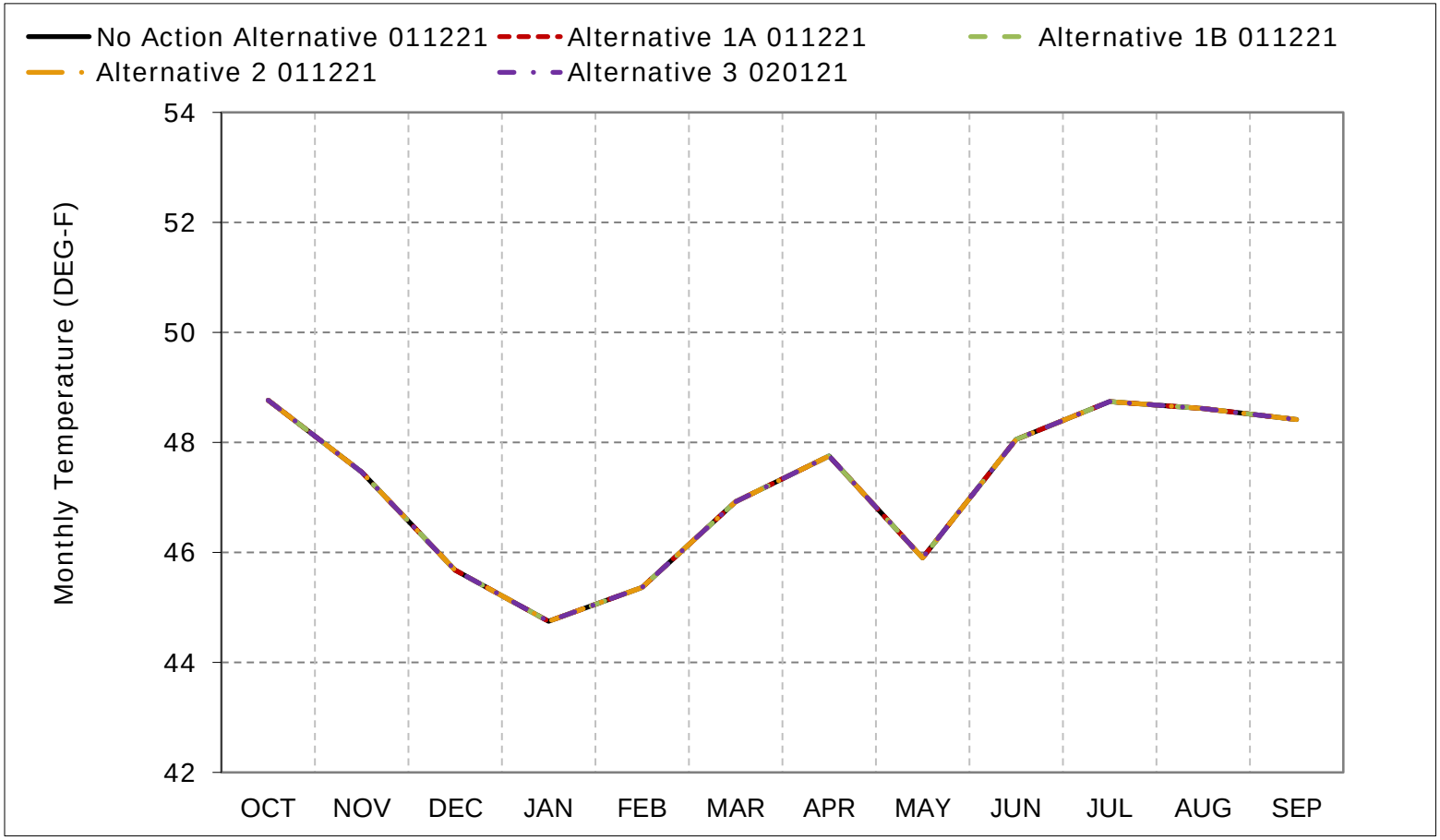
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

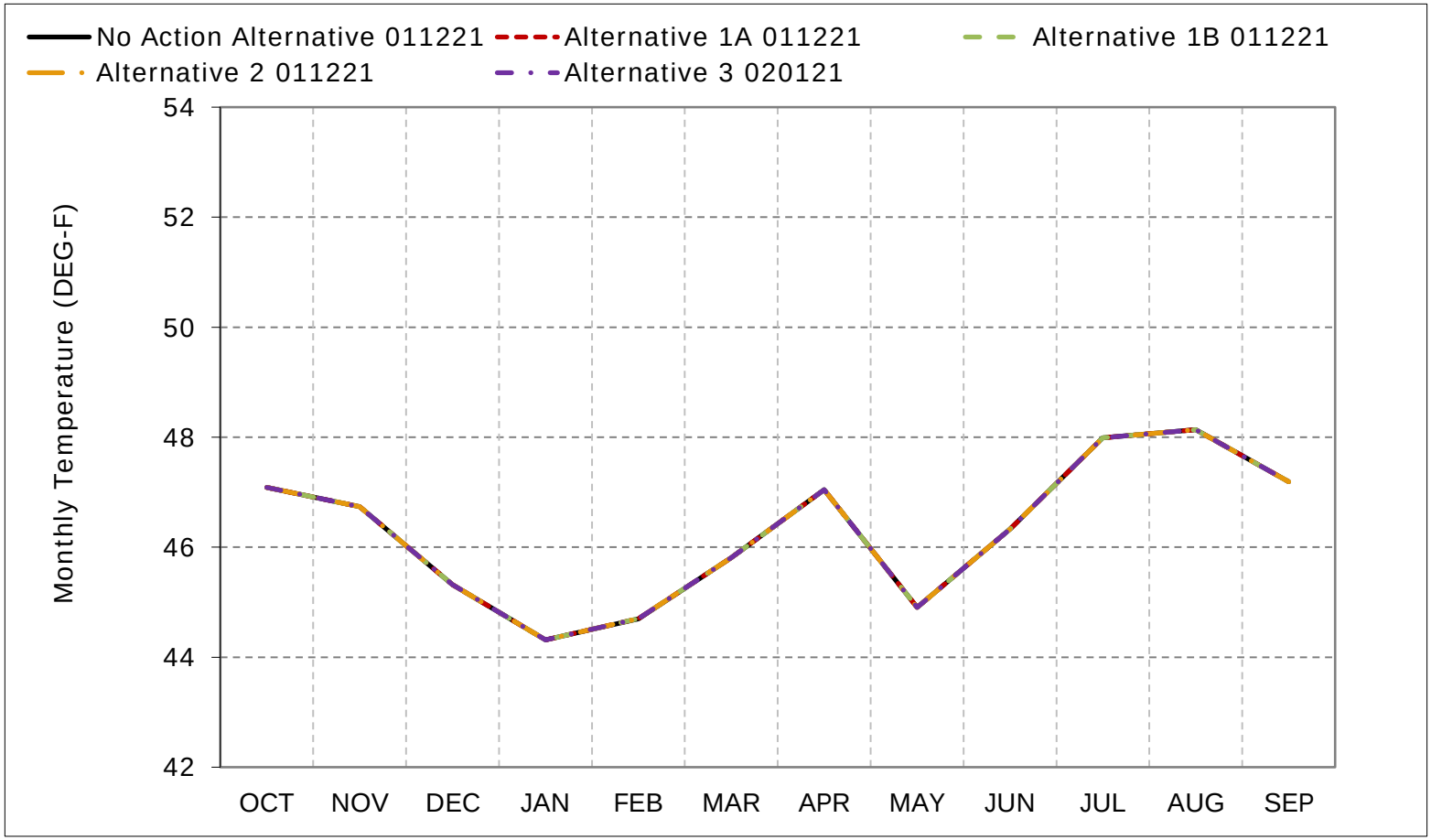
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-1-1. Trinity River below Lewiston Dam, Long-Term Average Temperature



*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-1-2. Trinity River below Lewiston Dam, Wet Year Average Temperature

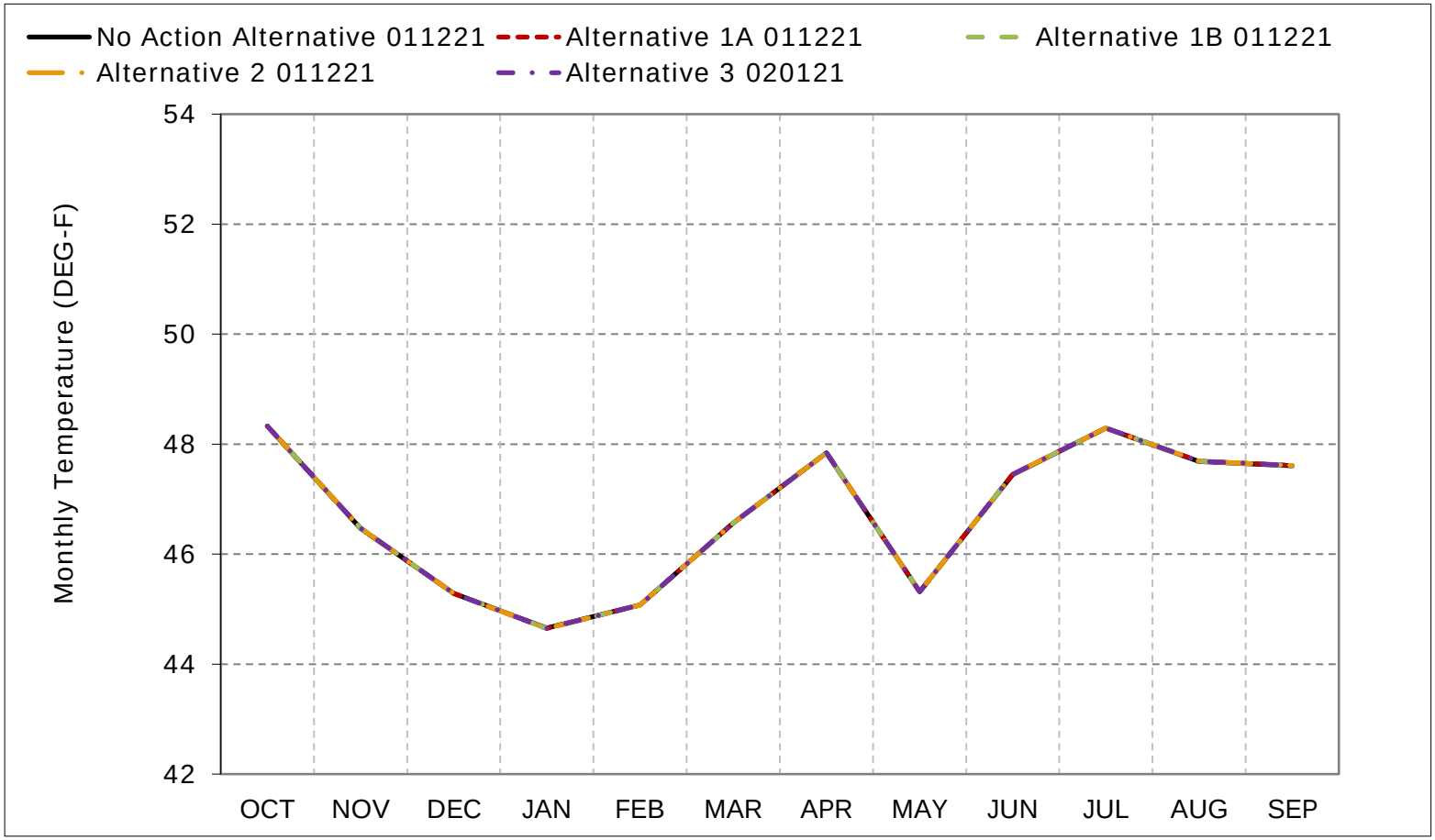


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

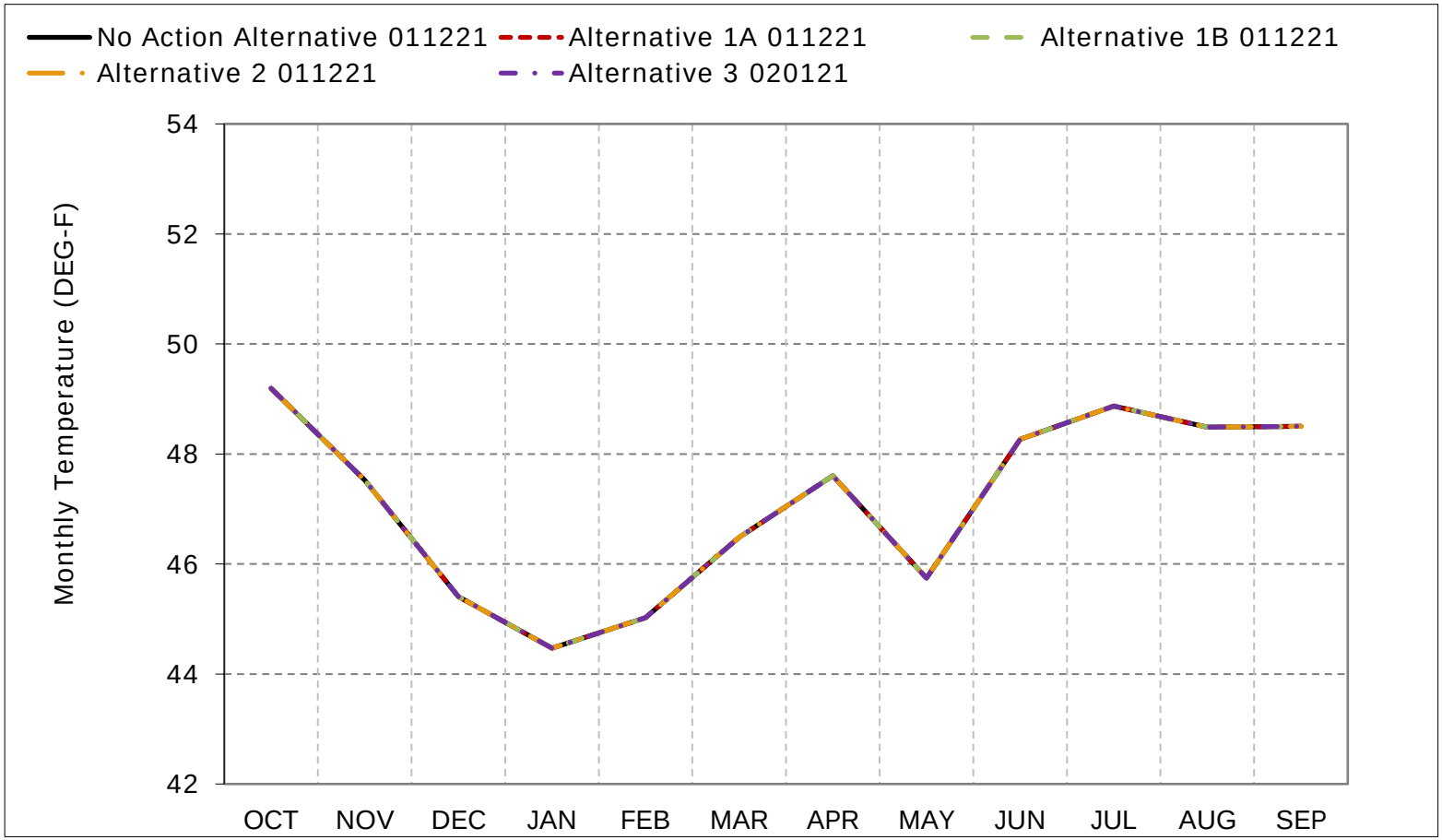
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-1-3. Trinity River below Lewiston Dam, Above Normal Year Average Temperat



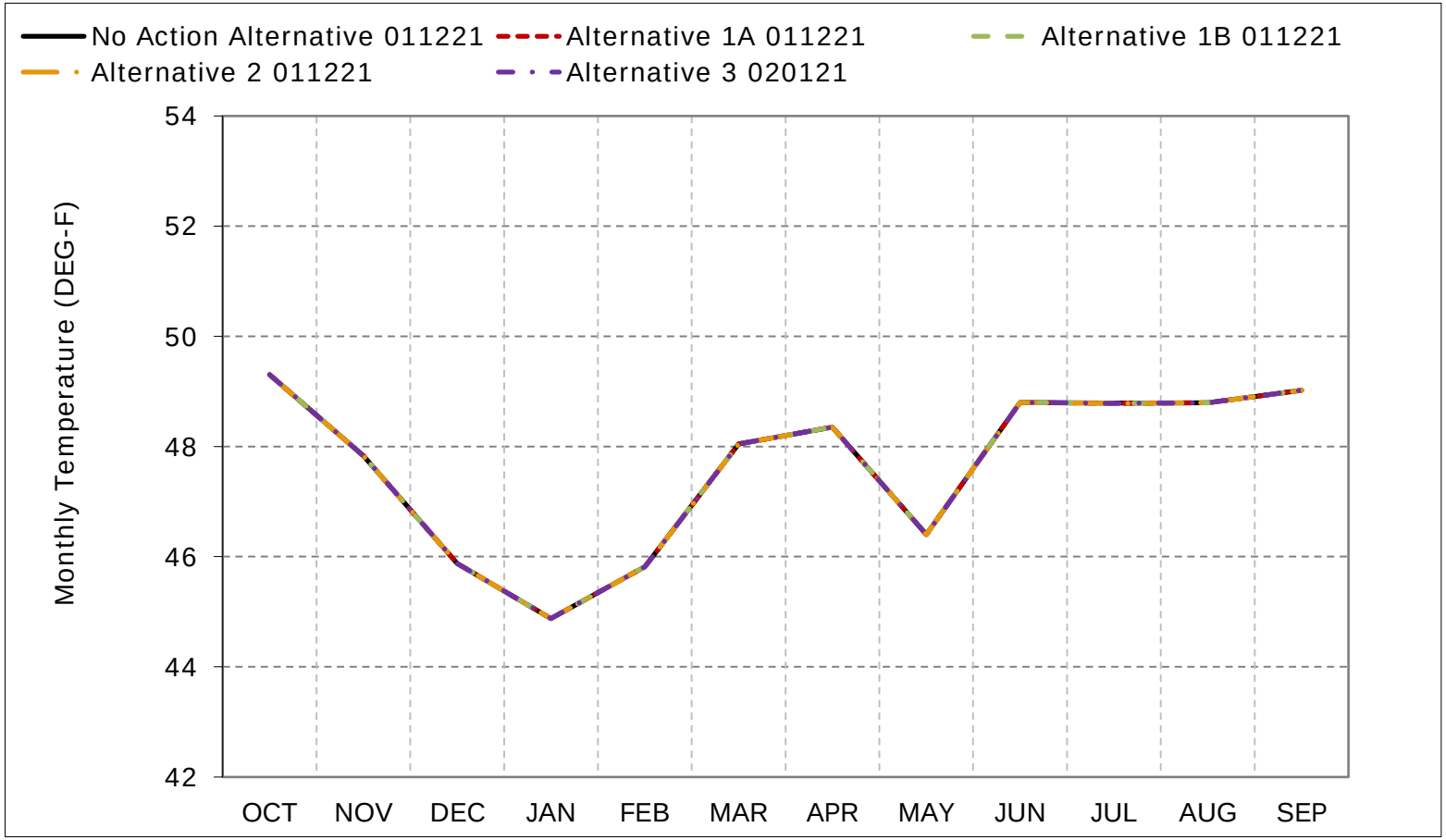
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-1-4. Trinity River below Lewiston Dam, Below Normal Year Average Temperat



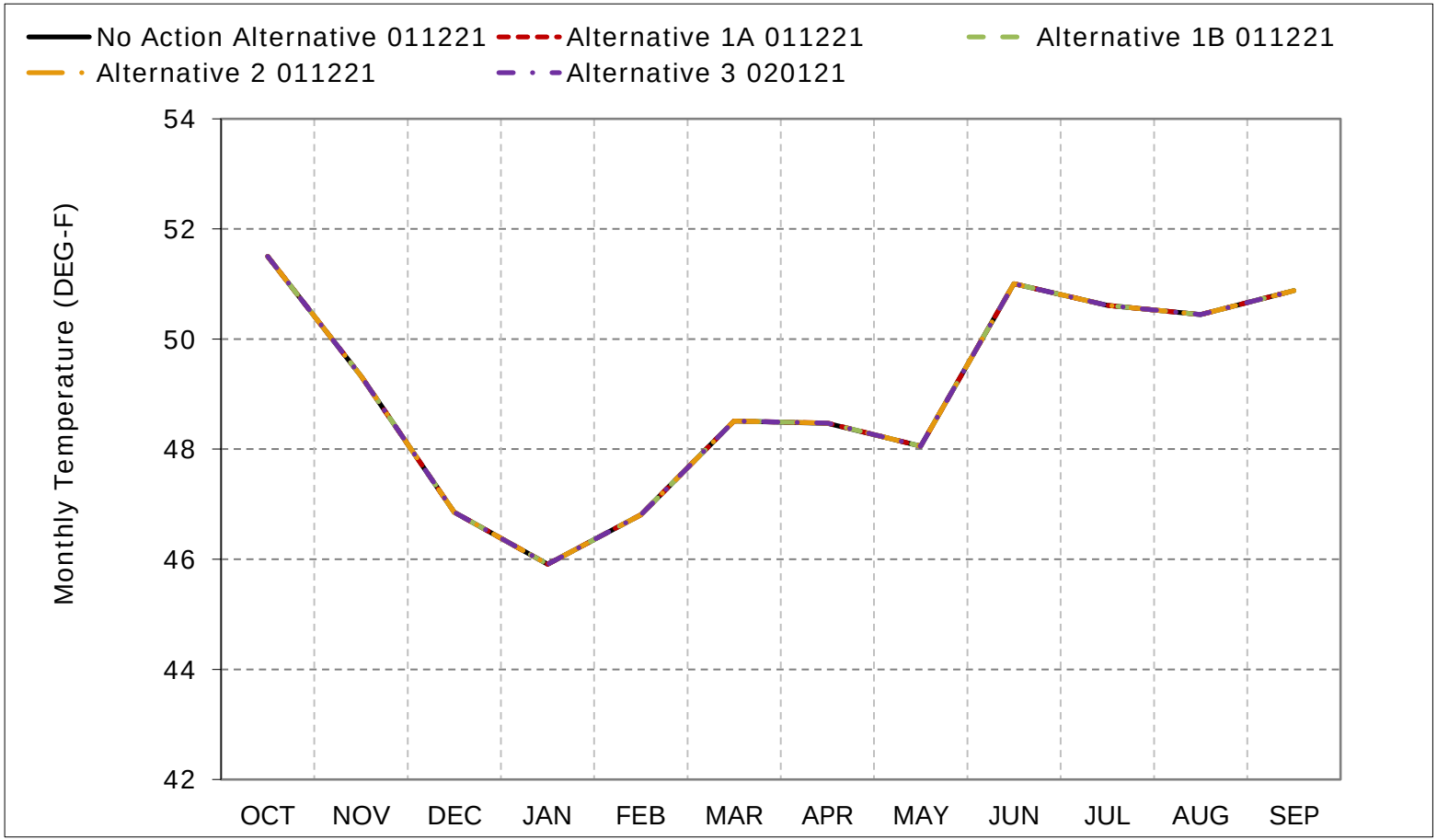
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-1-5. Trinity River below Lewiston Dam, Dry Year Average Temperature



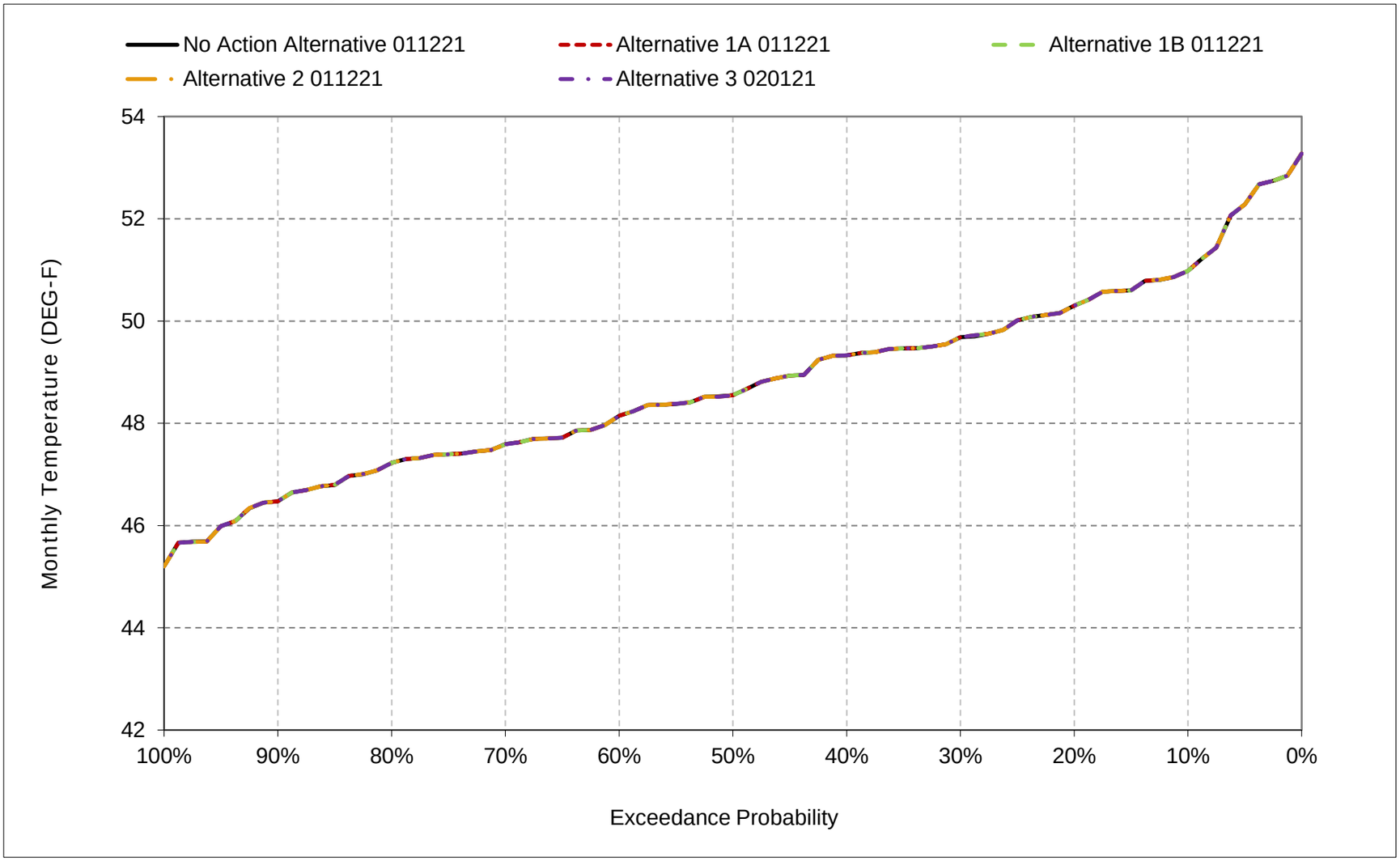
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-1-6. Trinity River below Lewiston Dam, Critical Year Average Temperature



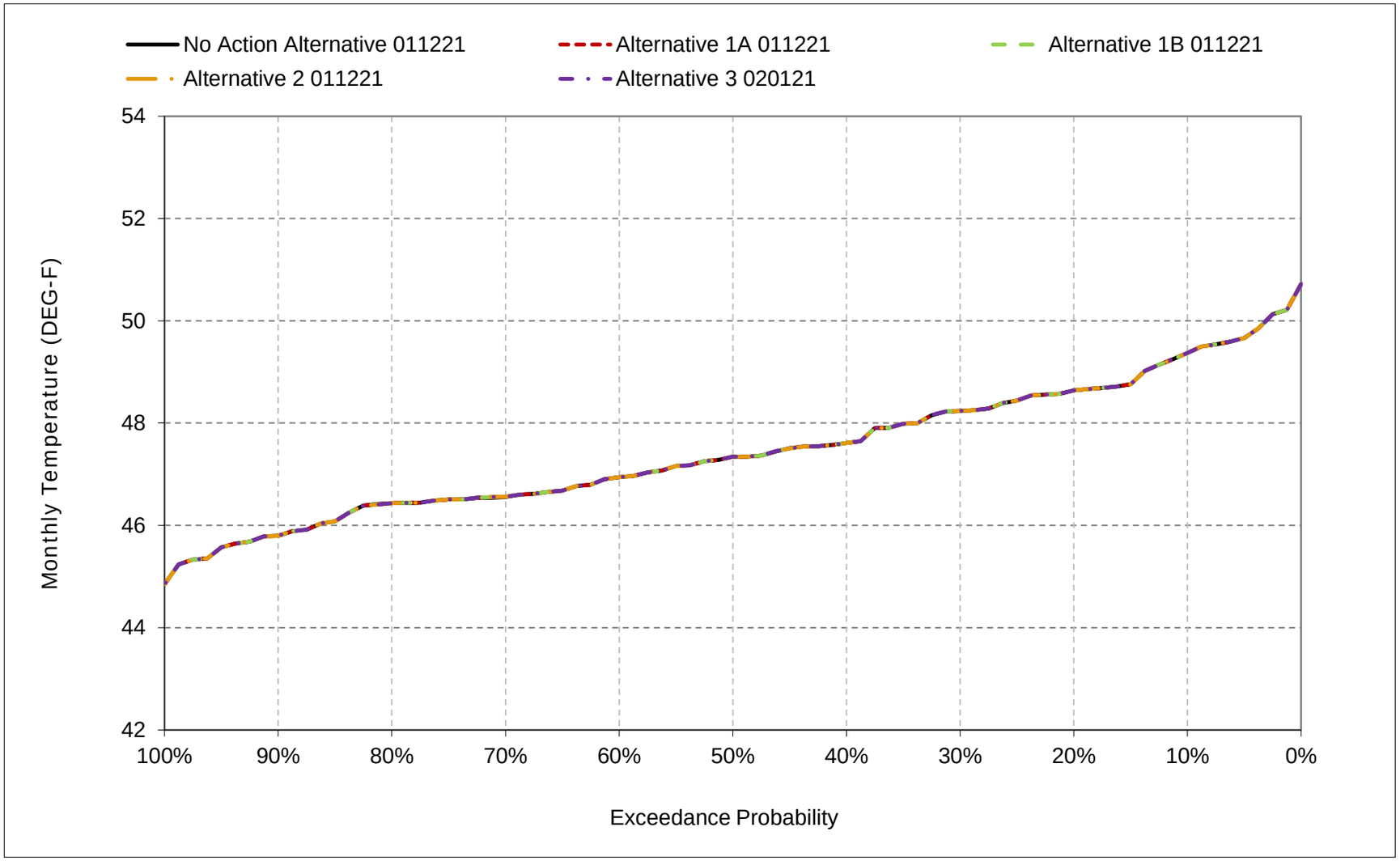
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-1-7. Trinity River below Lewiston Dam, October



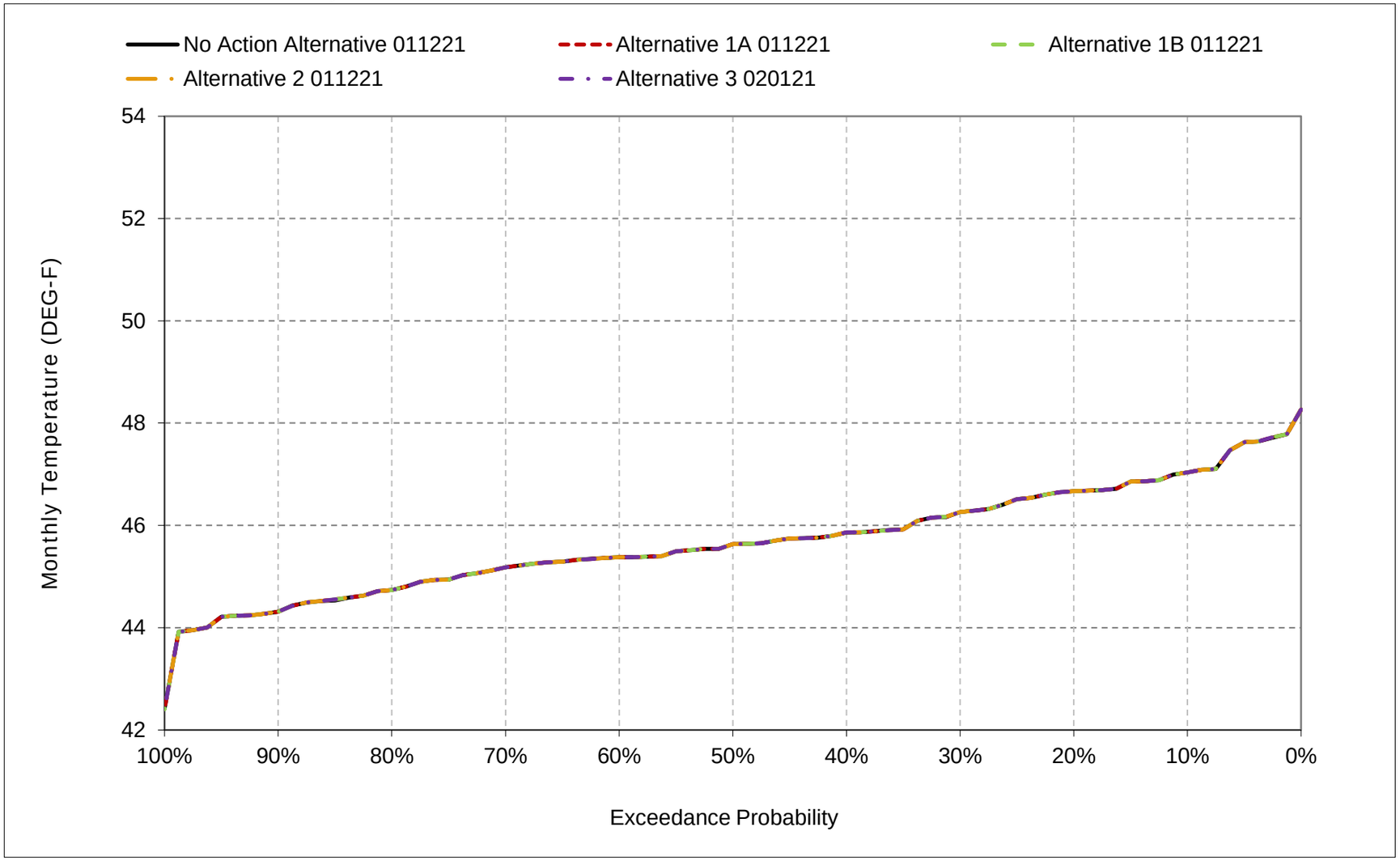
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-1-8. Trinity River below Lewiston Dam, November



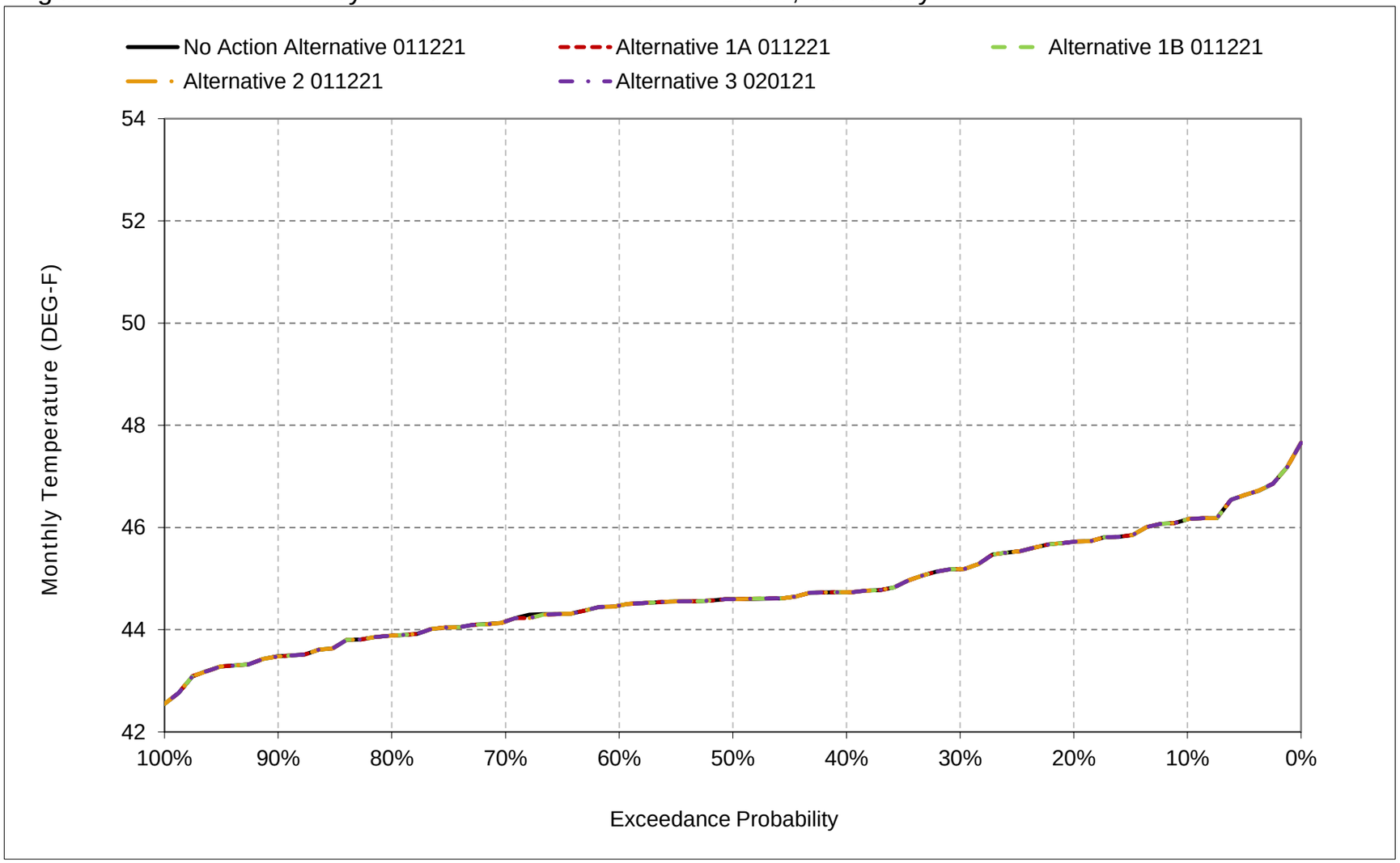
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-1-9. Trinity River below Lewiston Dam, December



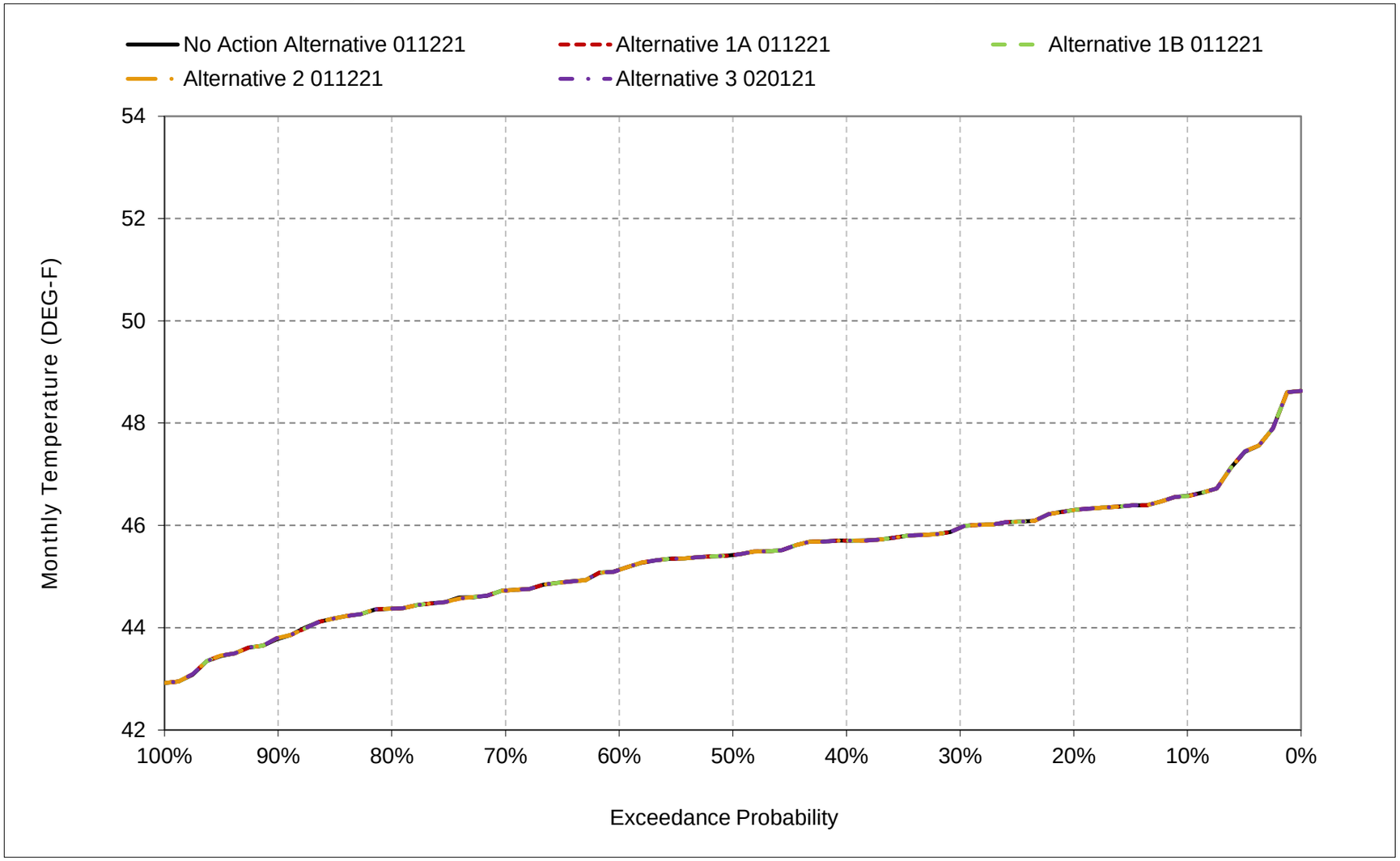
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-1-10. Trinity River below Lewiston Dam, January



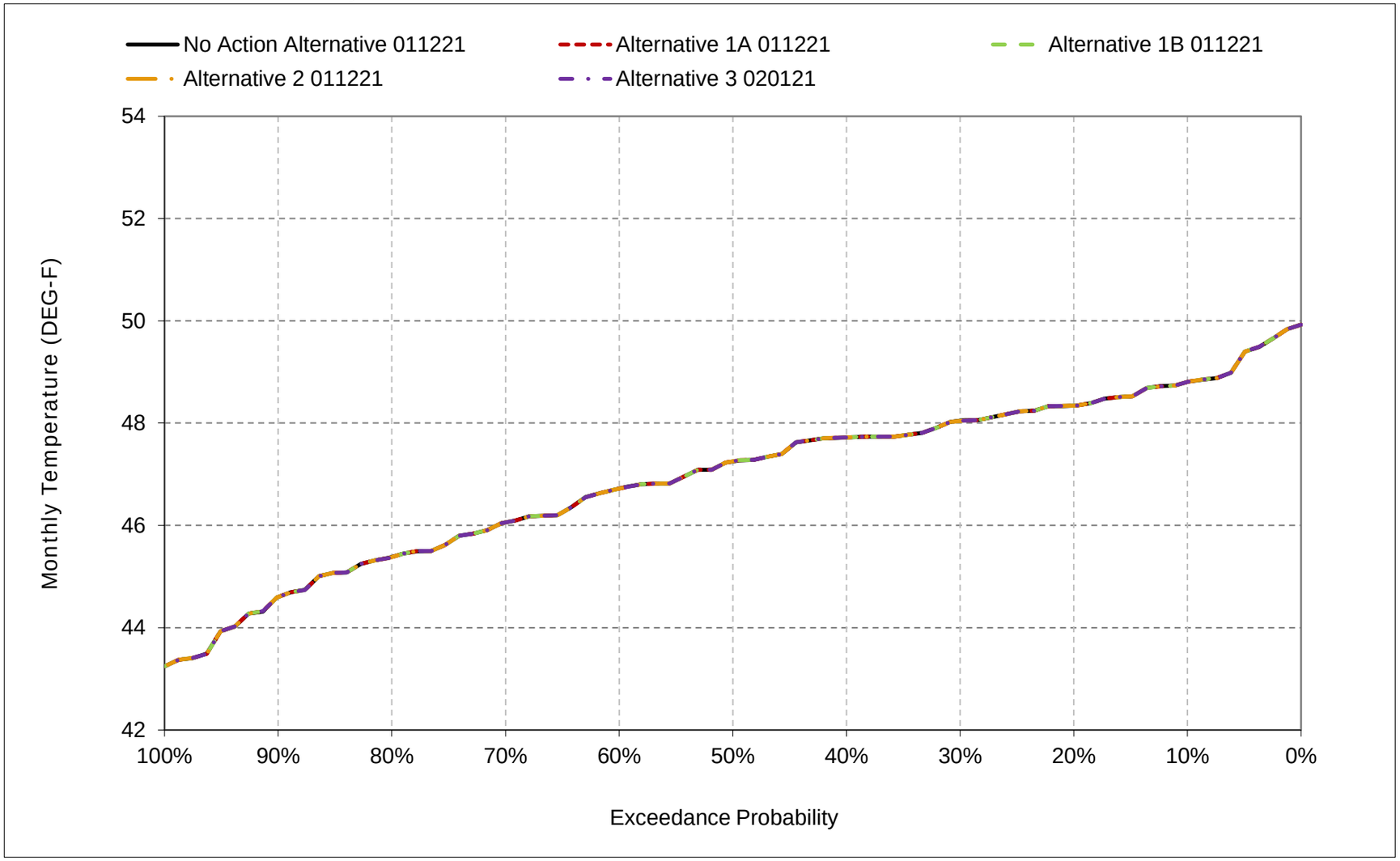
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-1-11. Trinity River below Lewiston Dam, February



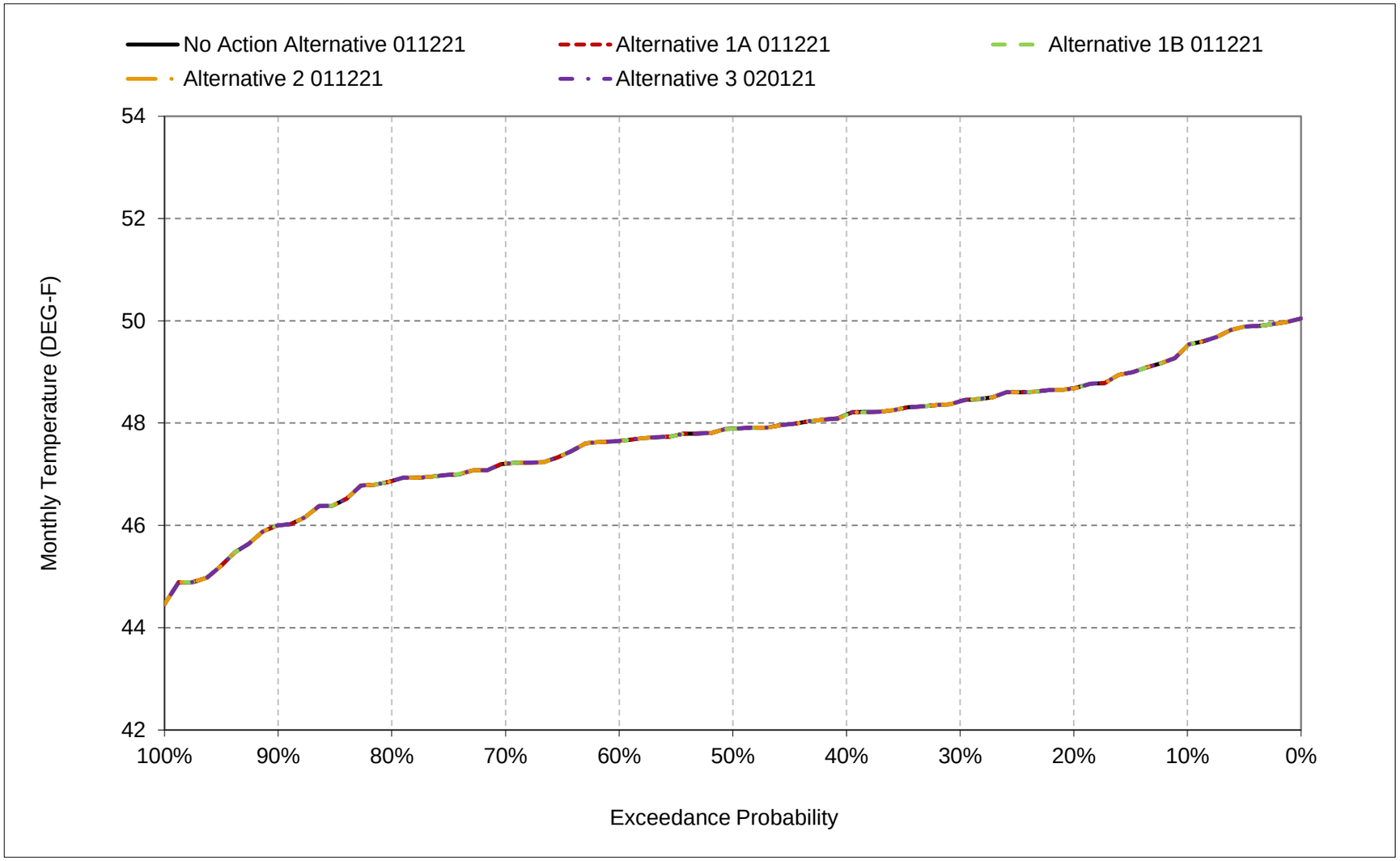
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-1-12. Trinity River below Lewiston Dam, March



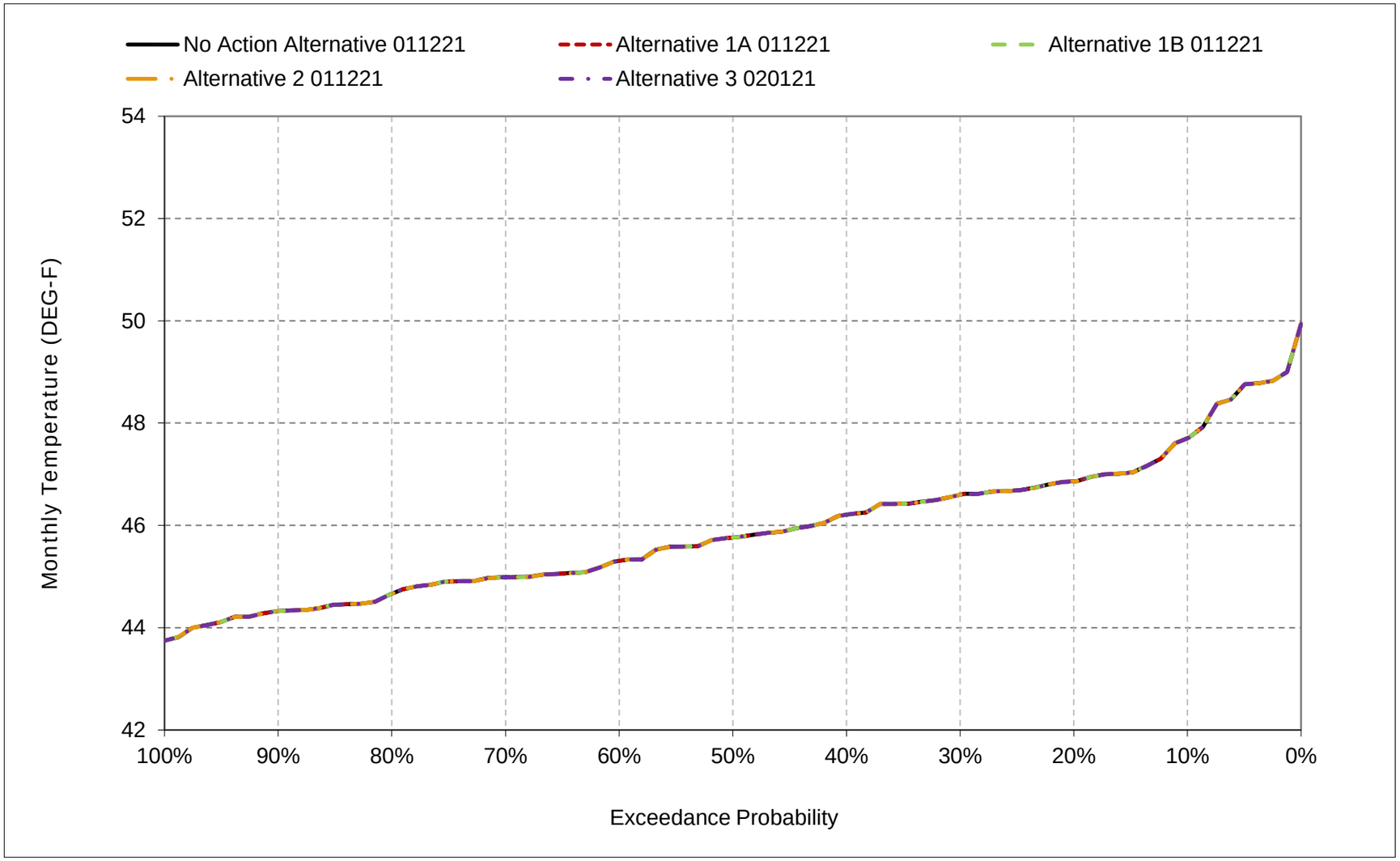
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-1-13. Trinity River below Lewiston Dam, April



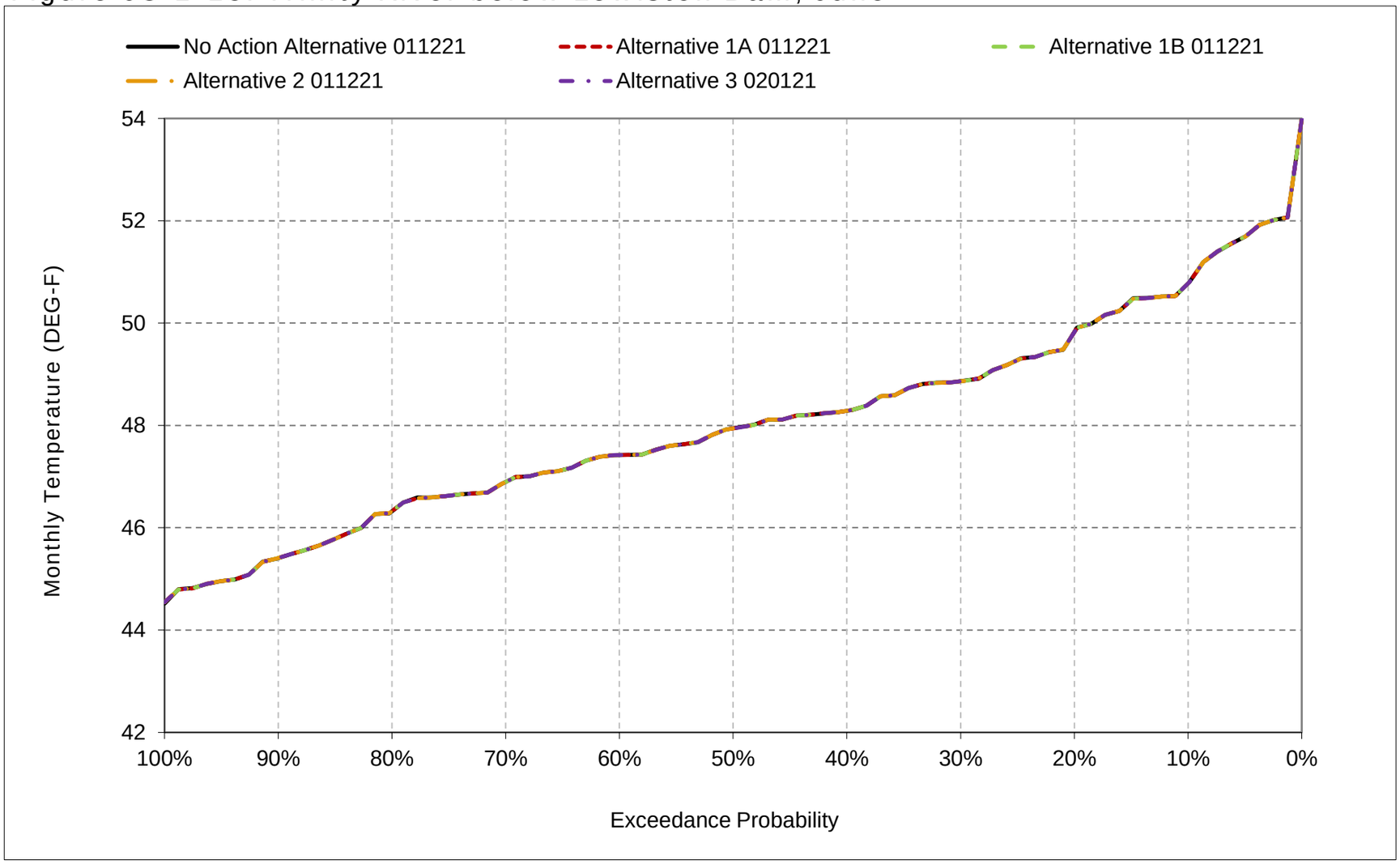
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-1-14. Trinity River below Lewiston Dam, May



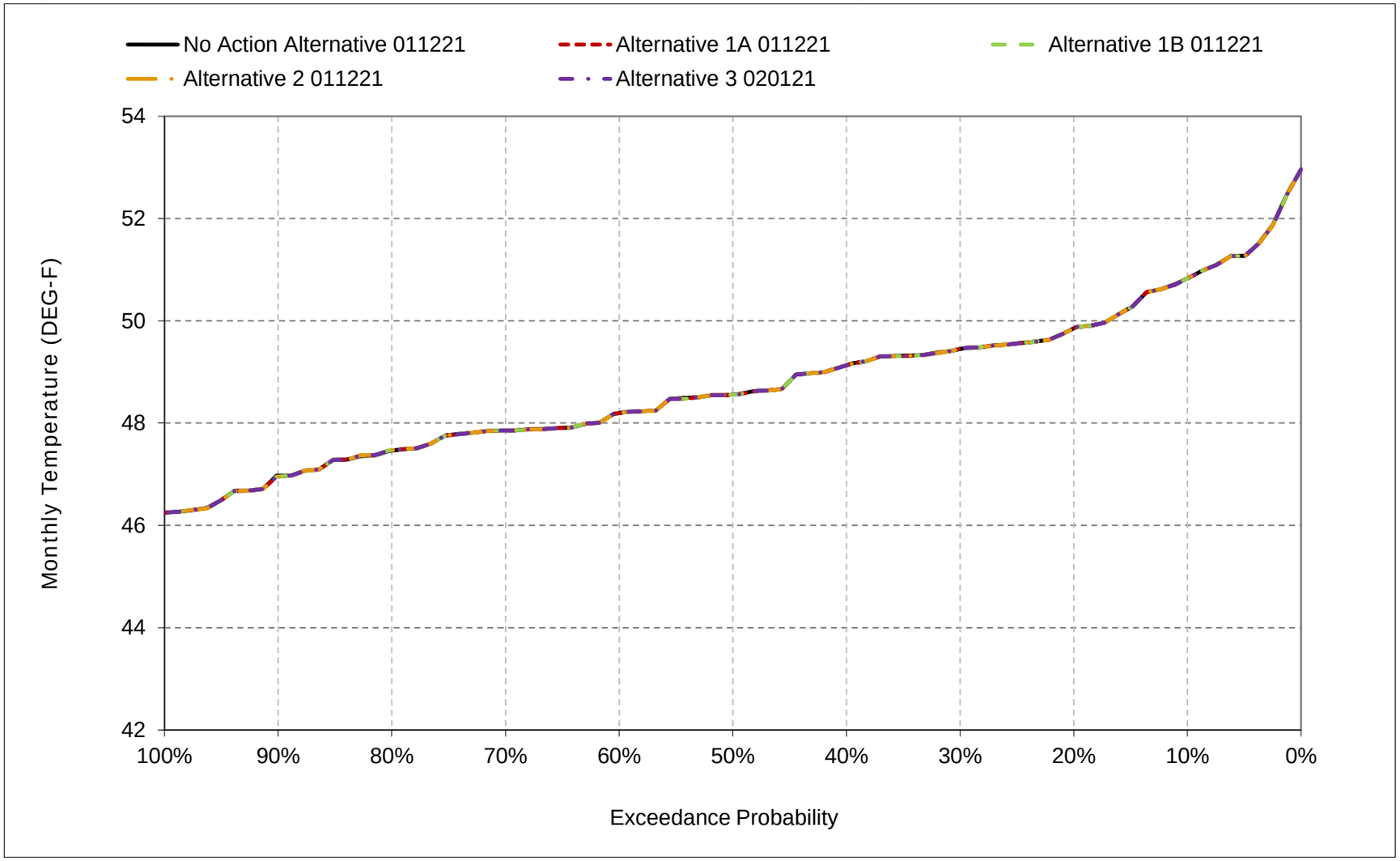
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-1-15. Trinity River below Lewiston Dam, June



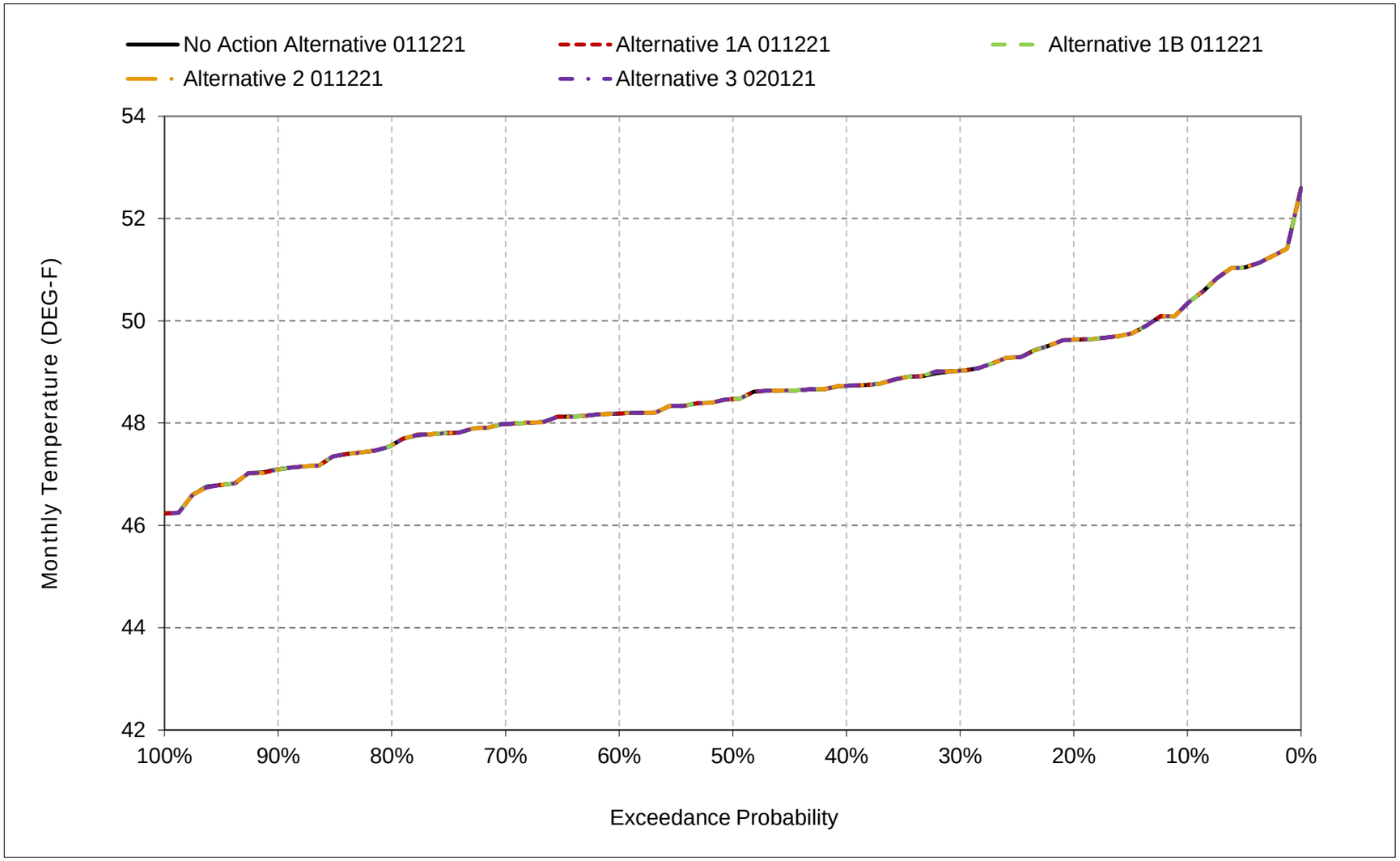
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-1-16. Trinity River below Lewiston Dam, July



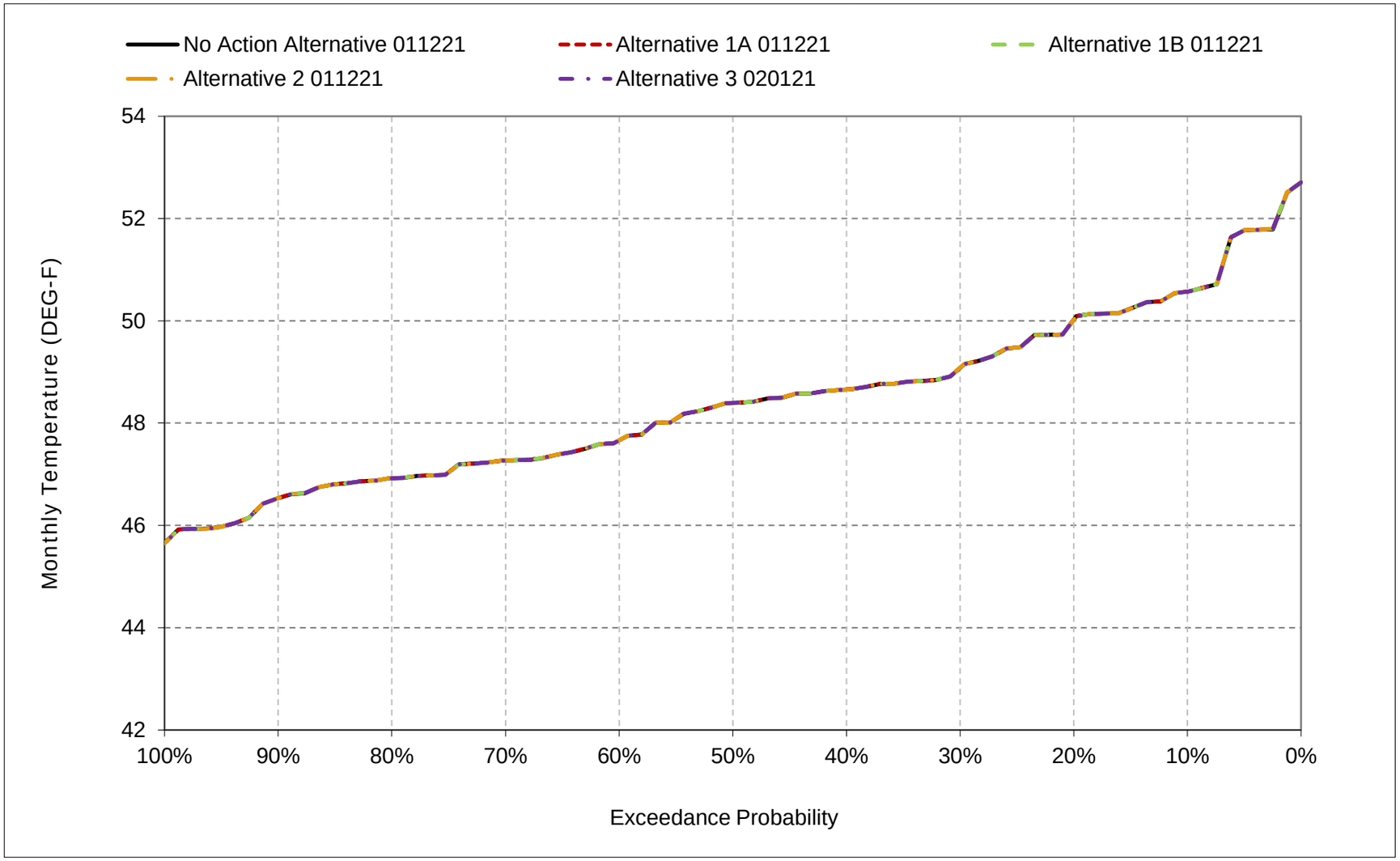
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-1-17. Trinity River below Lewiston Dam, August



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

Figure 6C-1-18. Trinity River below Lewiston Dam, September



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

Table 6C-2-1a. Clear Creek below Whiskeytown, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.3	50.0	46.8	44.9	44.8	45.8	47.0	48.0	48.8	50.4	51.0	51.3
20%	50.6	49.4	46.3	44.1	44.2	45.2	46.6	47.7	48.5	50.0	50.7	50.7
30%	50.0	49.2	45.8	44.0	43.8	44.9	46.2	47.5	48.4	49.7	50.3	50.1
40%	49.7	48.8	45.7	43.7	43.7	44.8	46.0	47.1	48.0	49.4	50.0	50.0
50%	49.4	48.4	45.3	43.5	43.5	44.6	45.8	47.0	47.7	49.3	49.7	49.7
60%	48.8	47.9	45.1	43.3	43.3	44.5	45.7	46.7	47.4	49.1	49.5	49.2
70%	48.3	47.8	45.0	43.0	43.1	44.3	45.5	46.5	47.0	48.7	49.3	48.8
80%	48.0	47.4	44.7	42.8	42.9	44.0	45.3	46.2	46.9	48.5	48.9	48.4
90%	47.7	46.9	44.5	42.6	42.8	43.8	44.9	46.0	46.5	48.1	48.5	48.1
Long Term												
Full Simulation Period[a]	49.4	48.4	45.5	43.6	43.6	44.6	45.9	46.9	47.7	49.2	49.8	49.7
Water Year Types[b,c]												
Wet (32%)	48.1	47.6	45.2	43.4	43.3	44.3	45.6	46.6	47.5	48.8	49.2	48.8
Above Normal (15%)	48.7	48.0	45.2	43.6	43.5	44.5	45.8	47.1	48.4	49.4	49.3	48.8
Below Normal (17%)	49.5	48.6	45.6	43.4	43.3	44.5	45.6	46.6	47.2	49.0	49.7	49.7
Dry (22%)	49.9	48.8	45.8	43.5	43.7	44.8	46.1	47.0	47.6	49.4	50.0	50.1
Critical (15%)	51.7	49.9	46.1	44.4	44.5	45.5	46.8	47.8	48.5	49.9	51.1	51.7

Table 6C-2-1b. Clear Creek below Whiskeytown, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.3	50.1	46.8	44.9	44.9	45.8	47.0	48.0	48.8	50.4	51.0	51.3
20%	50.6	49.4	46.4	44.2	44.2	45.2	46.6	47.7	48.5	50.0	50.7	50.7
30%	50.0	49.2	45.8	44.0	43.8	44.9	46.2	47.5	48.4	49.7	50.3	50.1
40%	49.7	48.8	45.7	43.7	43.7	44.8	46.0	47.1	48.0	49.4	50.0	50.0
50%	49.4	48.4	45.3	43.5	43.5	44.6	45.8	47.0	47.7	49.3	49.7	49.7
60%	48.8	47.9	45.1	43.3	43.3	44.5	45.7	46.7	47.4	49.1	49.5	49.2
70%	48.3	47.8	45.0	43.0	43.1	44.3	45.5	46.5	47.0	48.7	49.3	48.8
80%	48.0	47.5	44.7	42.8	42.9	44.0	45.3	46.2	46.9	48.5	48.9	48.4
90%	47.7	46.9	44.5	42.6	42.8	43.8	44.9	46.0	46.5	48.1	48.5	48.1
Long Term												
Full Simulation Period[a]	49.4	48.4	45.5	43.6	43.6	44.6	45.9	46.9	47.7	49.2	49.8	49.7
Water Year Types[b,c]												
Wet (32%)	48.1	47.6	45.2	43.4	43.3	44.3	45.6	46.6	47.5	48.8	49.2	48.8
Above Normal (15%)	48.7	48.0	45.2	43.6	43.5	44.5	45.8	47.1	48.4	49.4	49.3	48.8
Below Normal (17%)	49.5	48.6	45.6	43.4	43.3	44.5	45.6	46.6	47.3	49.0	49.7	49.7
Dry (22%)	49.9	48.8	45.8	43.5	43.7	44.8	46.1	47.0	47.6	49.4	50.0	50.1
Critical (15%)	51.7	49.9	46.1	44.4	44.5	45.5	46.8	47.8	48.5	49.9	51.1	51.7

Table 6C-2-1c. Clear Creek below Whiskeytown, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-2-2a. Clear Creek below Whiskeytown, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.3	50.0	46.8	44.9	44.8	45.8	47.0	48.0	48.8	50.4	51.0	51.3
20%	50.6	49.4	46.3	44.1	44.2	45.2	46.6	47.7	48.5	50.0	50.7	50.7
30%	50.0	49.2	45.8	44.0	43.8	44.9	46.2	47.5	48.4	49.7	50.3	50.1
40%	49.7	48.8	45.7	43.7	43.7	44.8	46.0	47.1	48.0	49.4	50.0	50.0
50%	49.4	48.4	45.3	43.5	43.5	44.6	45.8	47.0	47.7	49.3	49.7	49.7
60%	48.8	47.9	45.1	43.3	43.3	44.5	45.7	46.7	47.4	49.1	49.5	49.2
70%	48.3	47.8	45.0	43.0	43.1	44.3	45.5	46.5	47.0	48.7	49.3	48.8
80%	48.0	47.4	44.7	42.8	42.9	44.0	45.3	46.2	46.9	48.5	48.9	48.4
90%	47.7	46.9	44.5	42.6	42.8	43.8	44.9	46.0	46.5	48.1	48.5	48.1
Long Term												
Full Simulation Period[a]	49.4	48.4	45.5	43.6	43.6	44.6	45.9	46.9	47.7	49.2	49.8	49.7
Water Year Types[b,c]												
Wet (32%)	48.1	47.6	45.2	43.4	43.3	44.3	45.6	46.6	47.5	48.8	49.2	48.8
Above Normal (15%)	48.7	48.0	45.2	43.6	43.5	44.5	45.8	47.1	48.4	49.4	49.3	48.8
Below Normal (17%)	49.5	48.6	45.6	43.4	43.3	44.5	45.6	46.6	47.2	49.0	49.7	49.7
Dry (22%)	49.9	48.8	45.8	43.5	43.7	44.8	46.1	47.0	47.6	49.4	50.0	50.1
Critical (15%)	51.7	49.9	46.1	44.4	44.5	45.5	46.8	47.8	48.5	49.9	51.1	51.7

Table 6C-2-2b. Clear Creek below Whiskeytown, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.3	50.1	46.9	44.9	44.8	45.8	47.0	48.0	48.8	50.4	51.0	51.3
20%	50.6	49.4	46.4	44.2	44.2	45.2	46.6	47.7	48.5	50.0	50.7	50.7
30%	50.0	49.2	45.8	44.0	43.8	44.9	46.2	47.5	48.4	49.7	50.3	50.1
40%	49.7	48.8	45.7	43.7	43.7	44.8	46.0	47.1	48.0	49.4	50.0	50.0
50%	49.4	48.4	45.3	43.5	43.5	44.6	45.8	47.0	47.7	49.3	49.7	49.7
60%	48.8	47.9	45.1	43.2	43.4	44.5	45.7	46.7	47.4	49.1	49.5	49.2
70%	48.3	47.8	45.0	43.0	43.0	44.3	45.5	46.5	47.0	48.7	49.3	48.8
80%	48.0	47.5	44.7	42.8	42.9	44.0	45.3	46.2	46.9	48.5	48.9	48.4
90%	47.7	46.9	44.5	42.6	42.8	43.8	44.9	46.0	46.5	48.1	48.5	48.1
Long Term												
Full Simulation Period[a]	49.4	48.4	45.5	43.6	43.6	44.6	45.9	46.9	47.7	49.2	49.8	49.7
Water Year Types[b,c]												
Wet (32%)	48.1	47.6	45.2	43.4	43.3	44.3	45.6	46.6	47.5	48.8	49.2	48.8
Above Normal (15%)	48.7	48.0	45.2	43.6	43.5	44.5	45.8	47.1	48.4	49.4	49.3	48.8
Below Normal (17%)	49.5	48.6	45.6	43.4	43.3	44.5	45.6	46.6	47.2	49.0	49.7	49.7
Dry (22%)	49.9	48.8	45.8	43.5	43.7	44.8	46.1	47.0	47.6	49.4	50.0	50.1
Critical (15%)	51.7	49.9	46.1	44.4	44.5	45.5	46.8	47.8	48.5	49.9	51.1	51.7

Table 6C-2-2c. Clear Creek below Whiskeytown, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-2-3a. Clear Creek below Whiskeytown, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.3	50.0	46.8	44.9	44.8	45.8	47.0	48.0	48.8	50.4	51.0	51.3
20%	50.6	49.4	46.3	44.1	44.2	45.2	46.6	47.7	48.5	50.0	50.7	50.7
30%	50.0	49.2	45.8	44.0	43.8	44.9	46.2	47.5	48.4	49.7	50.3	50.1
40%	49.7	48.8	45.7	43.7	43.7	44.8	46.0	47.1	48.0	49.4	50.0	50.0
50%	49.4	48.4	45.3	43.5	43.5	44.6	45.8	47.0	47.7	49.3	49.7	49.7
60%	48.8	47.9	45.1	43.3	43.3	44.5	45.7	46.7	47.4	49.1	49.5	49.2
70%	48.3	47.8	45.0	43.0	43.1	44.3	45.5	46.5	47.0	48.7	49.3	48.8
80%	48.0	47.4	44.7	42.8	42.9	44.0	45.3	46.2	46.9	48.5	48.9	48.4
90%	47.7	46.9	44.5	42.6	42.8	43.8	44.9	46.0	46.5	48.1	48.5	48.1
Long Term												
Full Simulation Period[a]	49.4	48.4	45.5	43.6	43.6	44.6	45.9	46.9	47.7	49.2	49.8	49.7
Water Year Types[b,c]												
Wet (32%)	48.1	47.6	45.2	43.4	43.3	44.3	45.6	46.6	47.5	48.8	49.2	48.8
Above Normal (15%)	48.7	48.0	45.2	43.6	43.5	44.5	45.8	47.1	48.4	49.4	49.3	48.8
Below Normal (17%)	49.5	48.6	45.6	43.4	43.3	44.5	45.6	46.6	47.2	49.0	49.7	49.7
Dry (22%)	49.9	48.8	45.8	43.5	43.7	44.8	46.1	47.0	47.6	49.4	50.0	50.1
Critical (15%)	51.7	49.9	46.1	44.4	44.5	45.5	46.8	47.8	48.5	49.9	51.1	51.7

Table 6C-2-3b. Clear Creek below Whiskeytown, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.3	50.1	46.8	44.9	44.9	45.8	47.0	48.0	48.8	50.4	51.0	51.3
20%	50.6	49.4	46.4	44.2	44.2	45.2	46.6	47.7	48.5	50.0	50.7	50.7
30%	50.0	49.2	45.8	44.0	43.8	44.9	46.2	47.5	48.4	49.7	50.3	50.1
40%	49.7	48.8	45.7	43.7	43.7	44.8	46.0	47.1	48.0	49.4	50.0	50.0
50%	49.4	48.4	45.3	43.5	43.5	44.6	45.8	47.0	47.7	49.3	49.7	49.7
60%	48.8	47.9	45.1	43.2	43.3	44.5	45.7	46.7	47.4	49.1	49.5	49.2
70%	48.3	47.8	45.0	43.0	43.0	44.3	45.5	46.5	47.0	48.7	49.3	48.8
80%	48.0	47.5	44.7	42.8	42.9	44.0	45.3	46.2	46.9	48.5	48.9	48.4
90%	47.7	46.9	44.5	42.6	42.8	43.8	44.9	46.0	46.5	48.1	48.5	48.1
Long Term												
Full Simulation Period[a]	49.4	48.4	45.5	43.6	43.6	44.6	45.9	46.9	47.7	49.2	49.8	49.7
Water Year Types[b,c]												
Wet (32%)	48.1	47.6	45.2	43.4	43.3	44.3	45.6	46.6	47.5	48.8	49.2	48.8
Above Normal (15%)	48.7	48.0	45.2	43.6	43.5	44.5	45.8	47.1	48.4	49.4	49.3	48.8
Below Normal (17%)	49.5	48.6	45.6	43.4	43.3	44.5	45.6	46.6	47.2	49.0	49.7	49.7
Dry (22%)	49.9	48.8	45.8	43.5	43.7	44.8	46.1	47.0	47.6	49.4	50.0	50.1
Critical (15%)	51.7	49.9	46.1	44.4	44.5	45.5	46.8	47.8	48.5	49.9	51.1	51.7

Table 6C-2-3c. Clear Creek below Whiskeytown, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-2-4a. Clear Creek below Whiskeytown, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.3	50.0	46.8	44.9	44.8	45.8	47.0	48.0	48.8	50.4	51.0	51.3
20%	50.6	49.4	46.3	44.1	44.2	45.2	46.6	47.7	48.5	50.0	50.7	50.7
30%	50.0	49.2	45.8	44.0	43.8	44.9	46.2	47.5	48.4	49.7	50.3	50.1
40%	49.7	48.8	45.7	43.7	43.7	44.8	46.0	47.1	48.0	49.4	50.0	50.0
50%	49.4	48.4	45.3	43.5	43.5	44.6	45.8	47.0	47.7	49.3	49.7	49.7
60%	48.8	47.9	45.1	43.3	43.3	44.5	45.7	46.7	47.4	49.1	49.5	49.2
70%	48.3	47.8	45.0	43.0	43.1	44.3	45.5	46.5	47.0	48.7	49.3	48.8
80%	48.0	47.4	44.7	42.8	42.9	44.0	45.3	46.2	46.9	48.5	48.9	48.4
90%	47.7	46.9	44.5	42.6	42.8	43.8	44.9	46.0	46.5	48.1	48.5	48.1
Long Term												
Full Simulation Period[a]	49.4	48.4	45.5	43.6	43.6	44.6	45.9	46.9	47.7	49.2	49.8	49.7
Water Year Types[b,c]												
Wet (32%)	48.1	47.6	45.2	43.4	43.3	44.3	45.6	46.6	47.5	48.8	49.2	48.8
Above Normal (15%)	48.7	48.0	45.2	43.6	43.5	44.5	45.8	47.1	48.4	49.4	49.3	48.8
Below Normal (17%)	49.5	48.6	45.6	43.4	43.3	44.5	45.6	46.6	47.2	49.0	49.7	49.7
Dry (22%)	49.9	48.8	45.8	43.5	43.7	44.8	46.1	47.0	47.6	49.4	50.0	50.1
Critical (15%)	51.7	49.9	46.1	44.4	44.5	45.5	46.8	47.8	48.5	49.9	51.1	51.7

Table 6C-2-4b. Clear Creek below Whiskeytown, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.3	50.1	46.8	44.9	44.8	45.8	47.0	48.0	48.8	50.4	51.0	51.3
20%	50.6	49.4	46.4	44.2	44.2	45.2	46.6	47.7	48.5	50.0	50.7	50.7
30%	50.0	49.2	45.8	44.0	43.8	44.9	46.2	47.5	48.4	49.7	50.3	50.1
40%	49.7	48.8	45.7	43.7	43.7	44.8	46.0	47.1	48.0	49.4	50.0	50.0
50%	49.4	48.4	45.3	43.5	43.5	44.6	45.8	47.0	47.7	49.3	49.7	49.7
60%	48.8	47.9	45.1	43.3	43.4	44.5	45.7	46.8	47.4	49.1	49.5	49.2
70%	48.3	47.8	45.0	43.0	43.0	44.3	45.5	46.5	47.0	48.7	49.3	48.8
80%	48.0	47.5	44.7	42.8	42.9	44.0	45.3	46.2	46.9	48.5	48.9	48.4
90%	47.7	46.9	44.5	42.6	42.8	43.8	44.9	46.0	46.5	48.1	48.5	48.1
Long Term												
Full Simulation Period[a]	49.4	48.4	45.5	43.6	43.6	44.6	45.9	46.9	47.7	49.2	49.8	49.7
Water Year Types[b,c]												
Wet (32%)	48.1	47.6	45.2	43.4	43.3	44.3	45.6	46.6	47.5	48.8	49.2	48.8
Above Normal (15%)	48.7	48.0	45.3	43.6	43.5	44.5	45.8	47.1	48.4	49.4	49.3	48.8
Below Normal (17%)	49.5	48.6	45.6	43.4	43.3	44.5	45.6	46.6	47.2	49.0	49.7	49.7
Dry (22%)	49.9	48.8	45.8	43.5	43.7	44.8	46.1	47.0	47.6	49.4	50.0	50.1
Critical (15%)	51.7	49.9	46.1	44.4	44.5	45.5	46.8	47.8	48.5	49.9	51.1	51.7

Table 6C-2-4c. Clear Creek below Whiskeytown, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

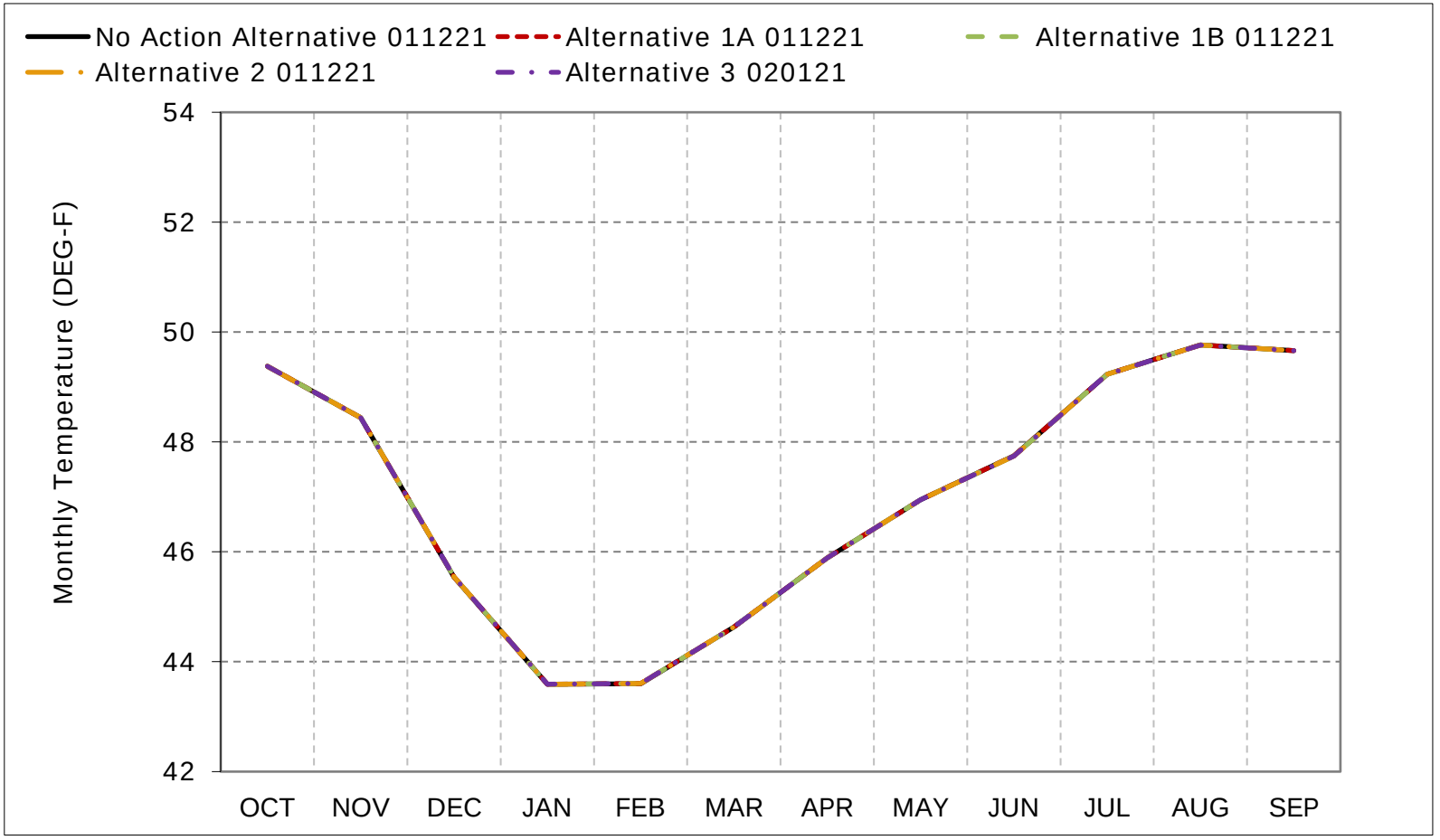
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

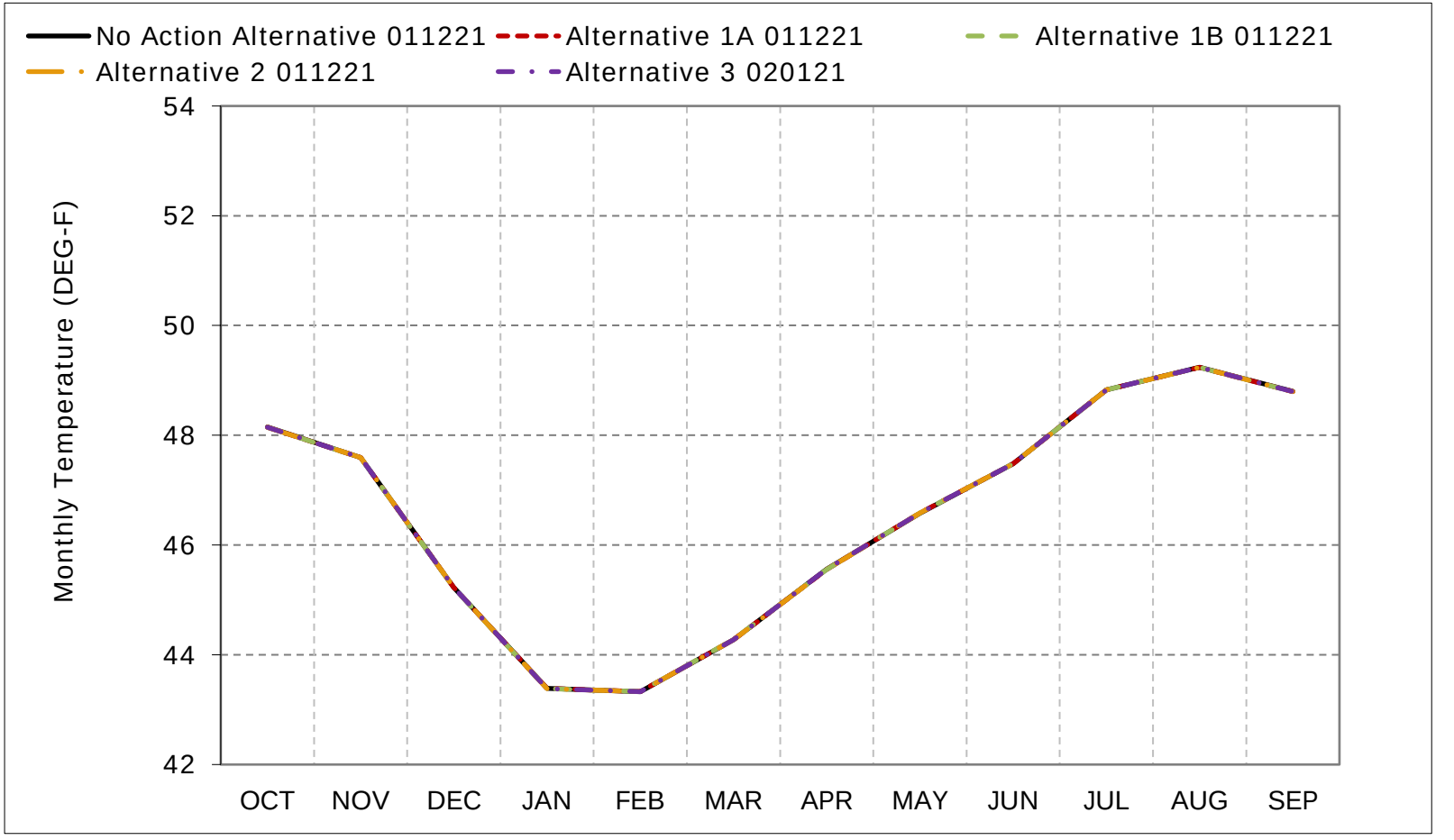
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-2-1. Clear Creek below Whiskeytown, Long-Term Average Temperature



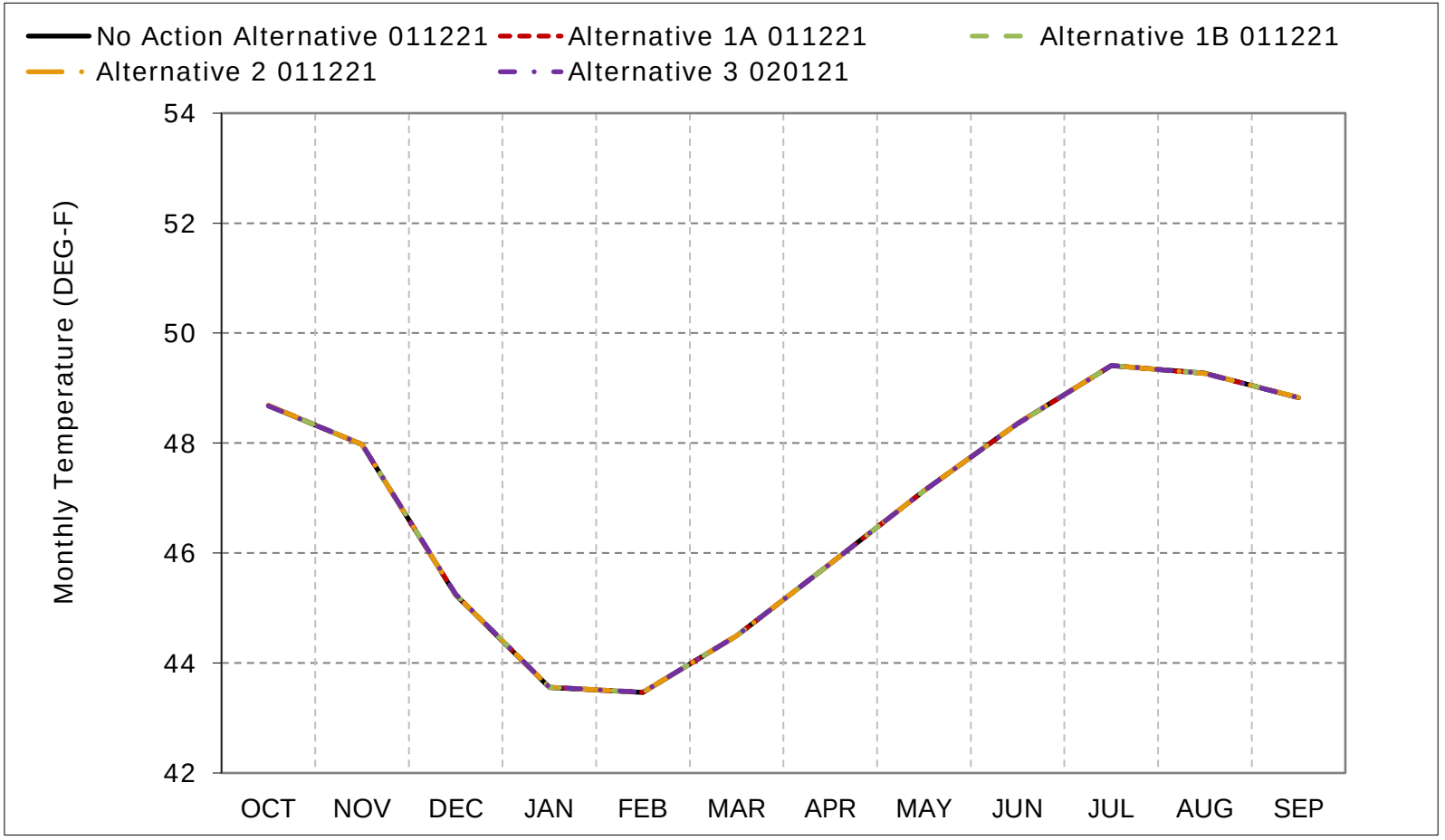
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-2-2. Clear Creek below Whiskeytown, Wet Year Average Temperature



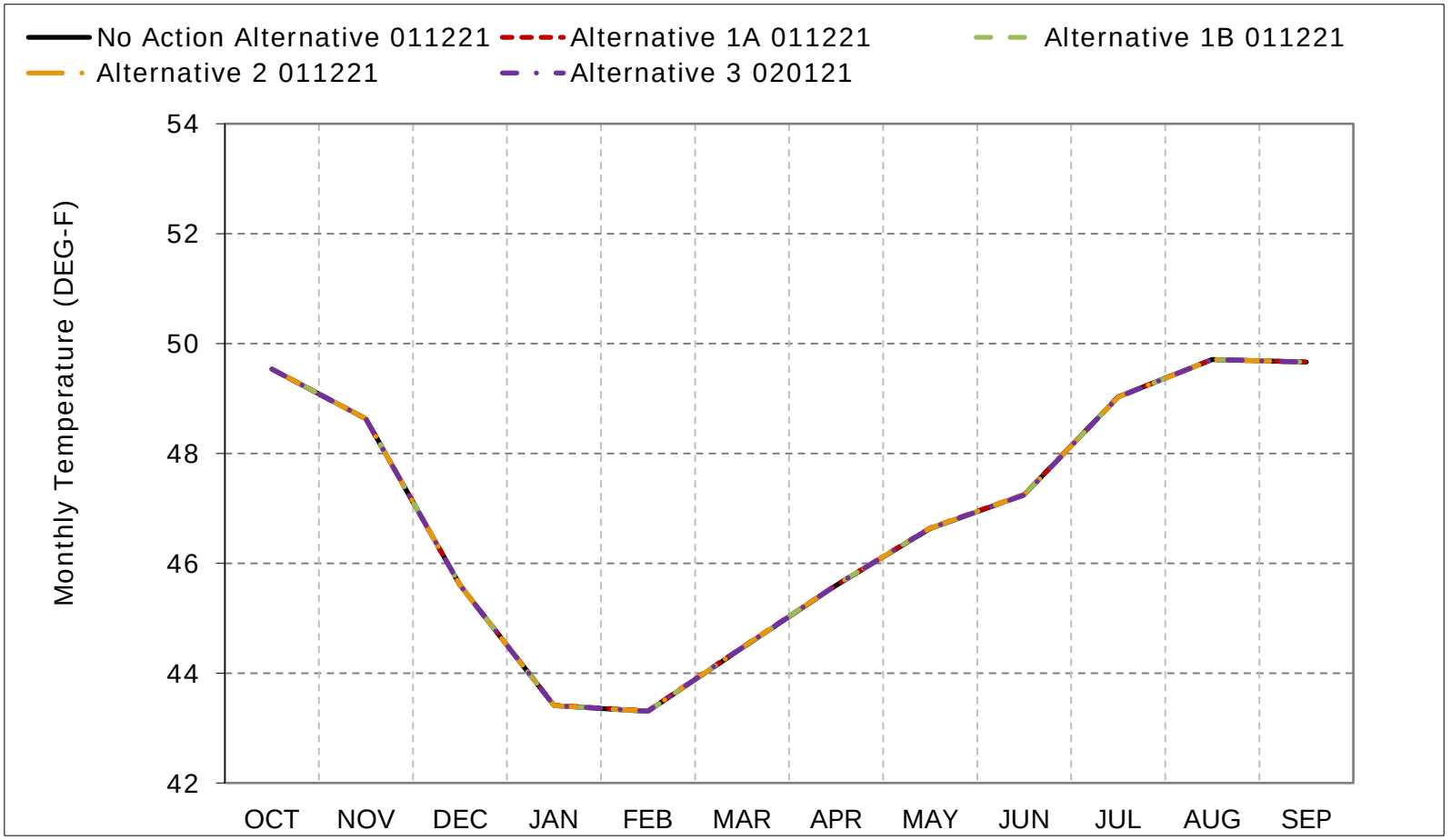
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-2-3. Clear Creek below Whiskeytown, Above Normal Year Average Temperat



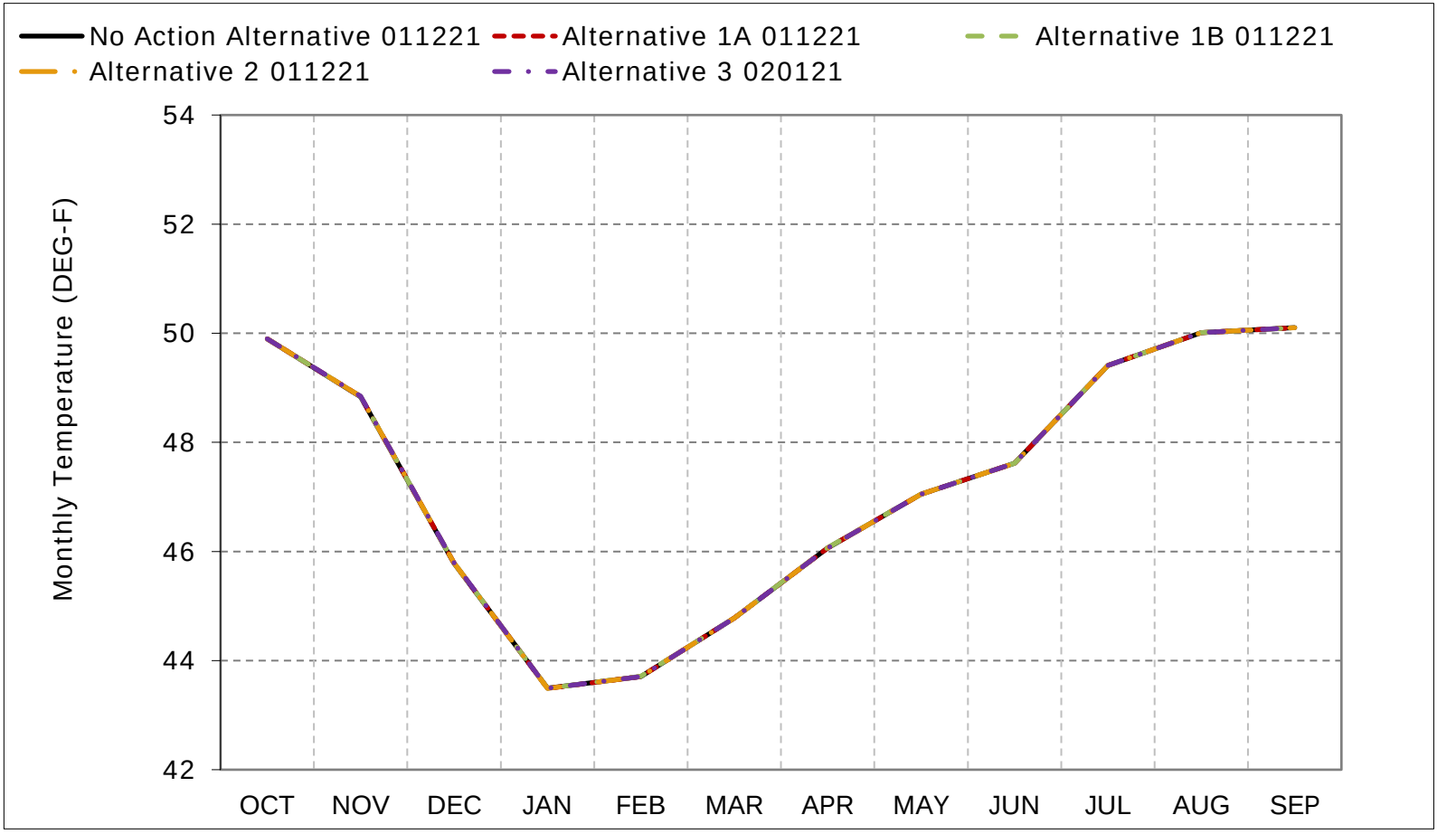
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-2-4. Clear Creek below Whiskeytown, Below Normal Year Average Temperat



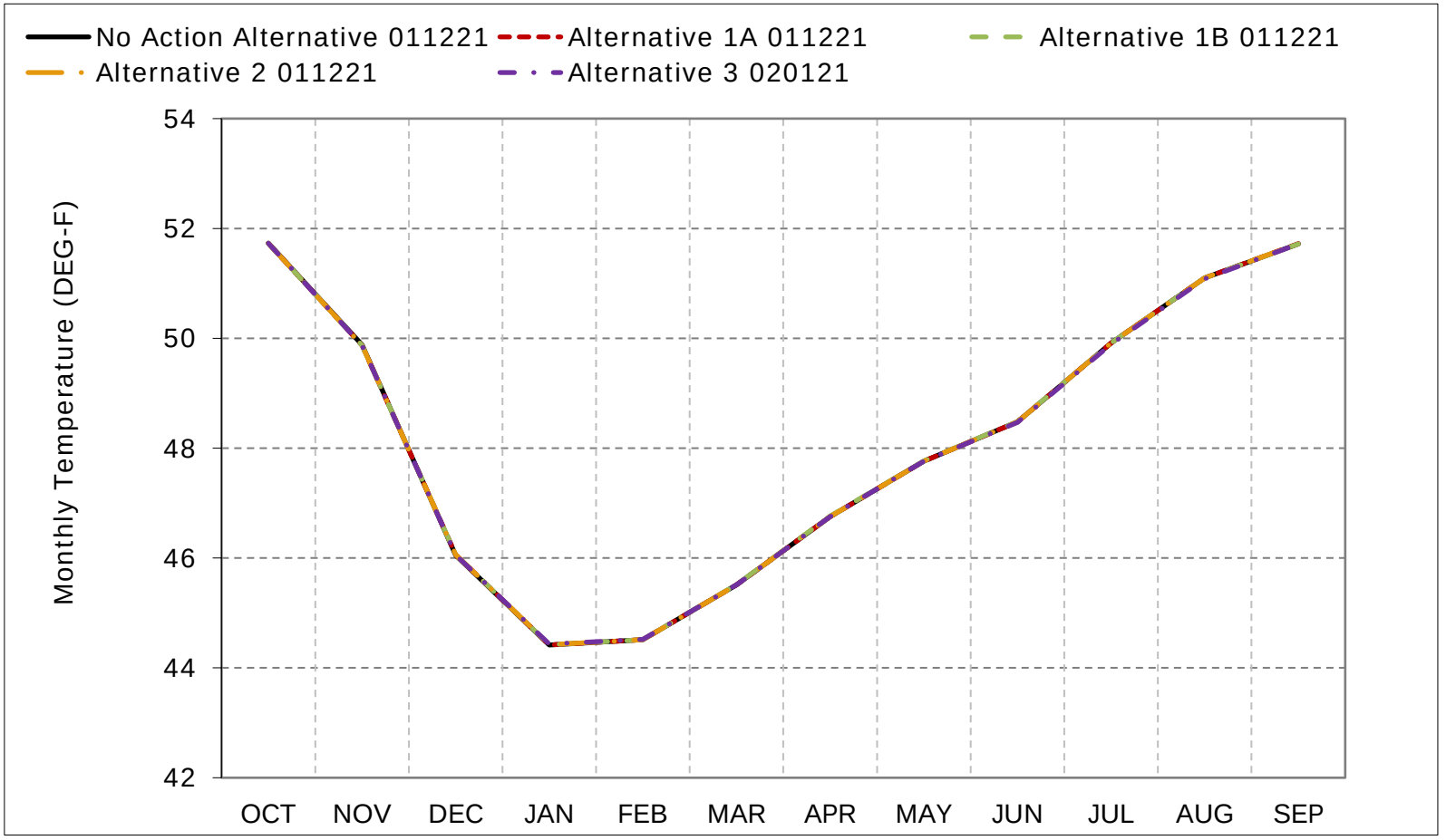
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-2-5. Clear Creek below Whiskeytown, Dry Year Average Temperature



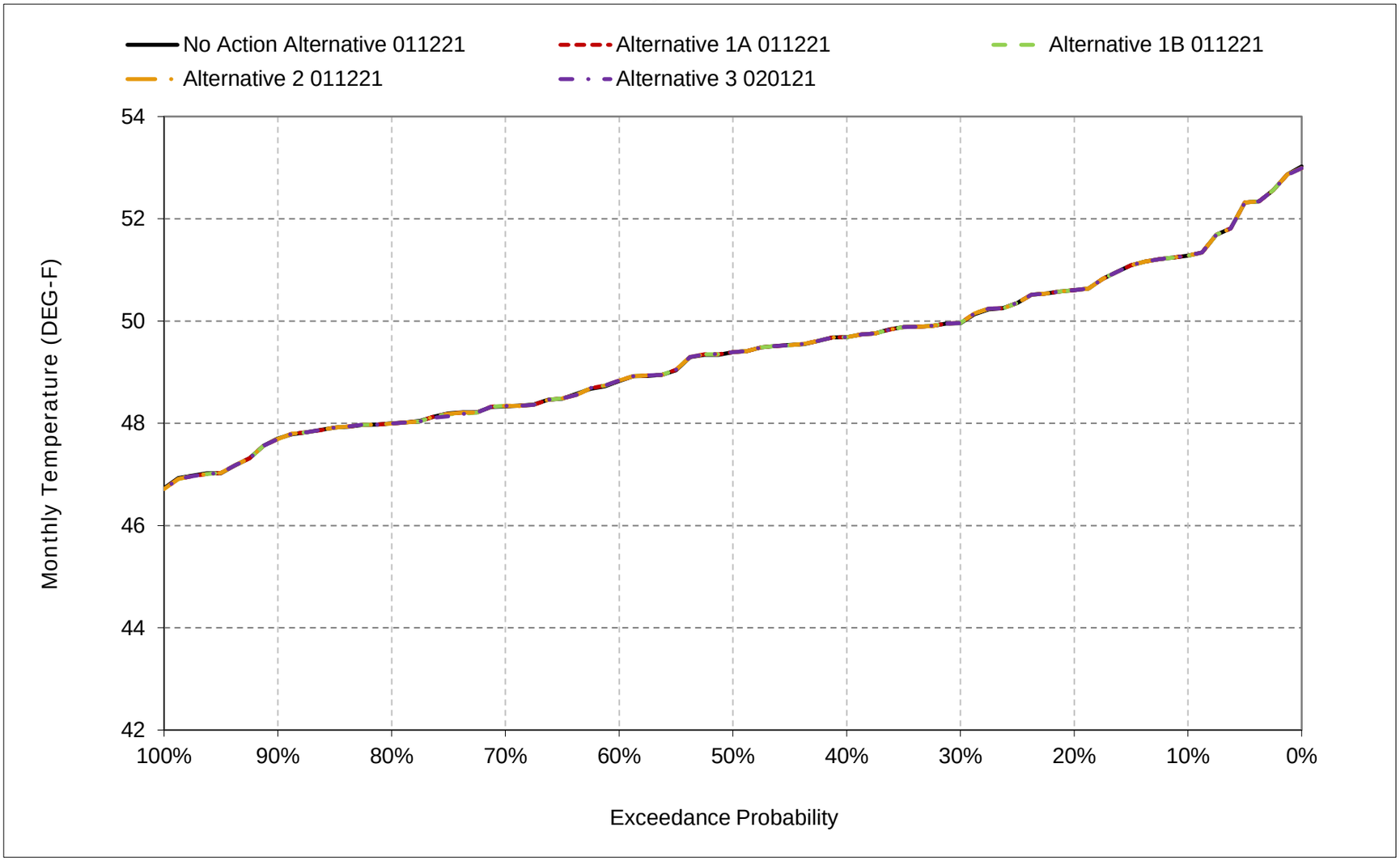
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-2-6. Clear Creek below Whiskeytown, Critical Year Average Temperature



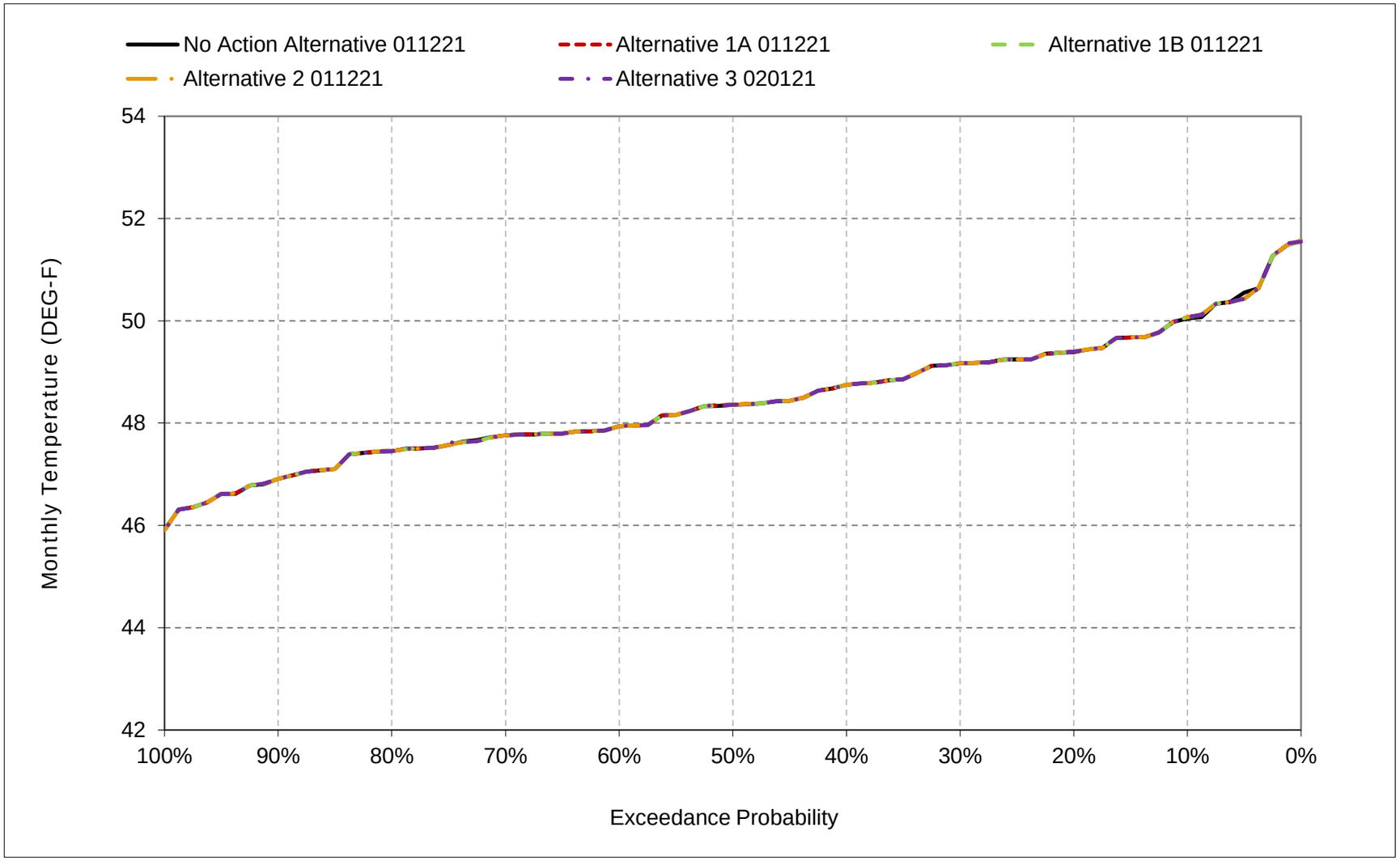
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-2-7. Clear Creek below Whiskeytown, October



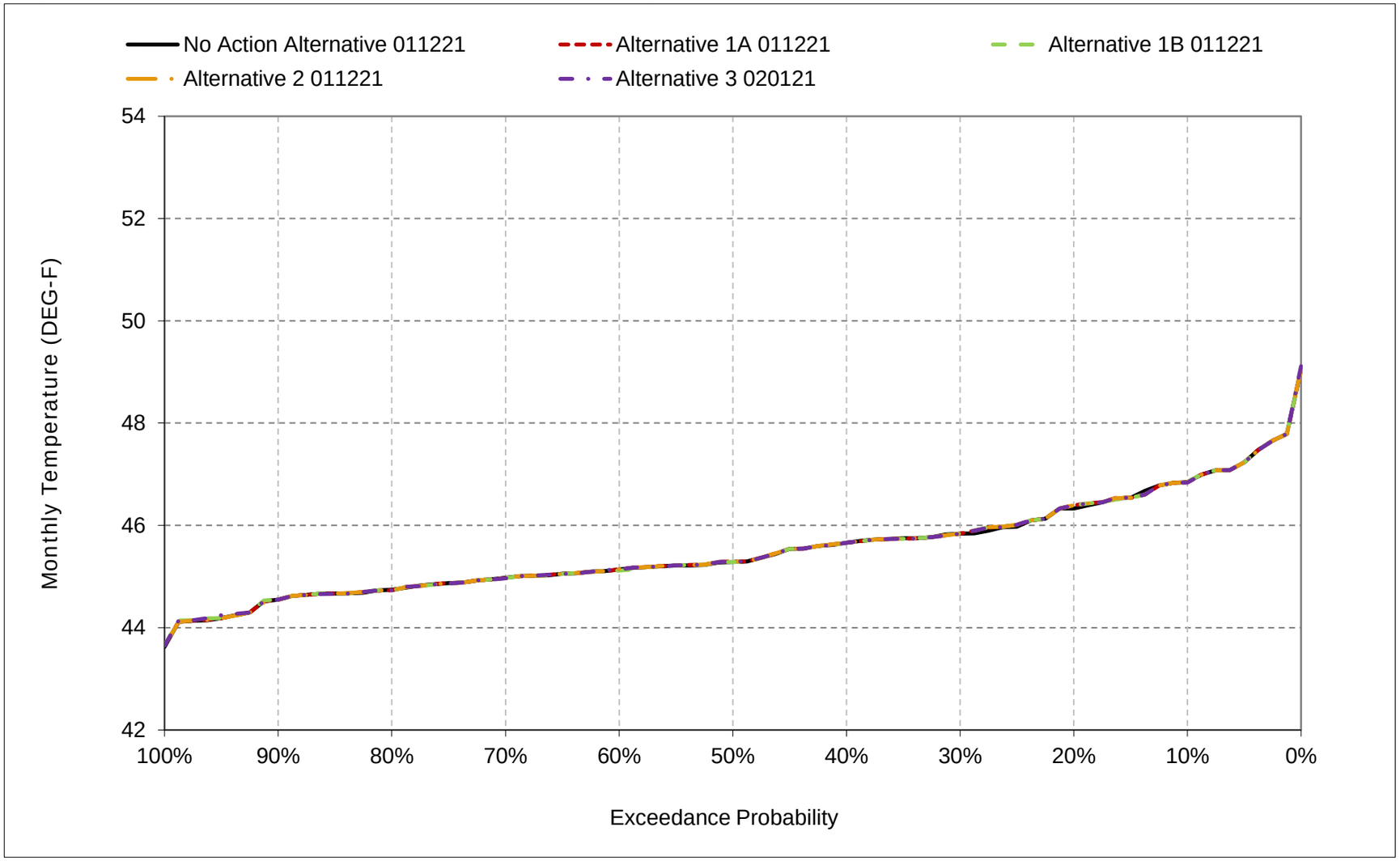
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-2-8. Clear Creek below Whiskeytown, November



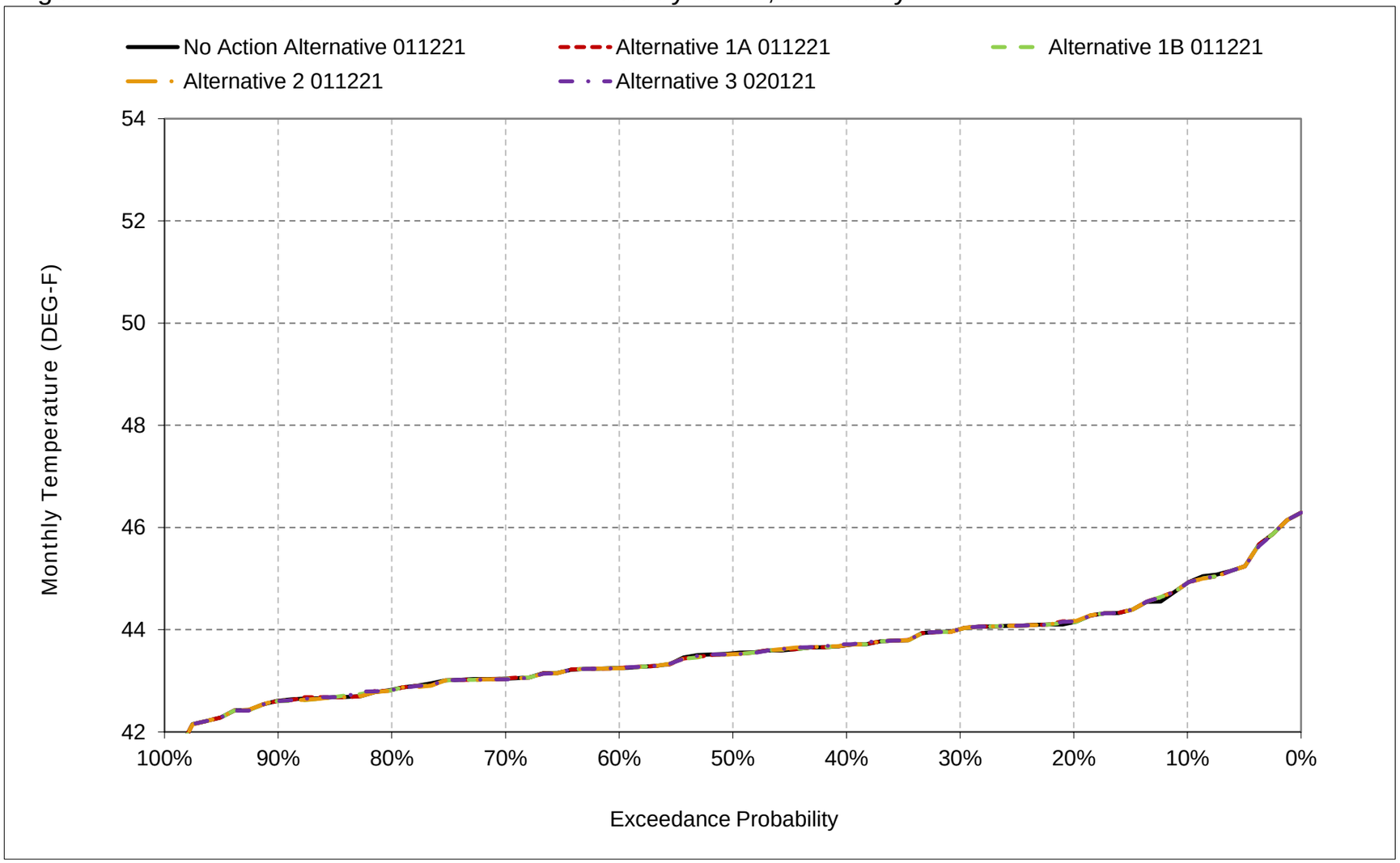
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-2-9. Clear Creek below Whiskeytown, December



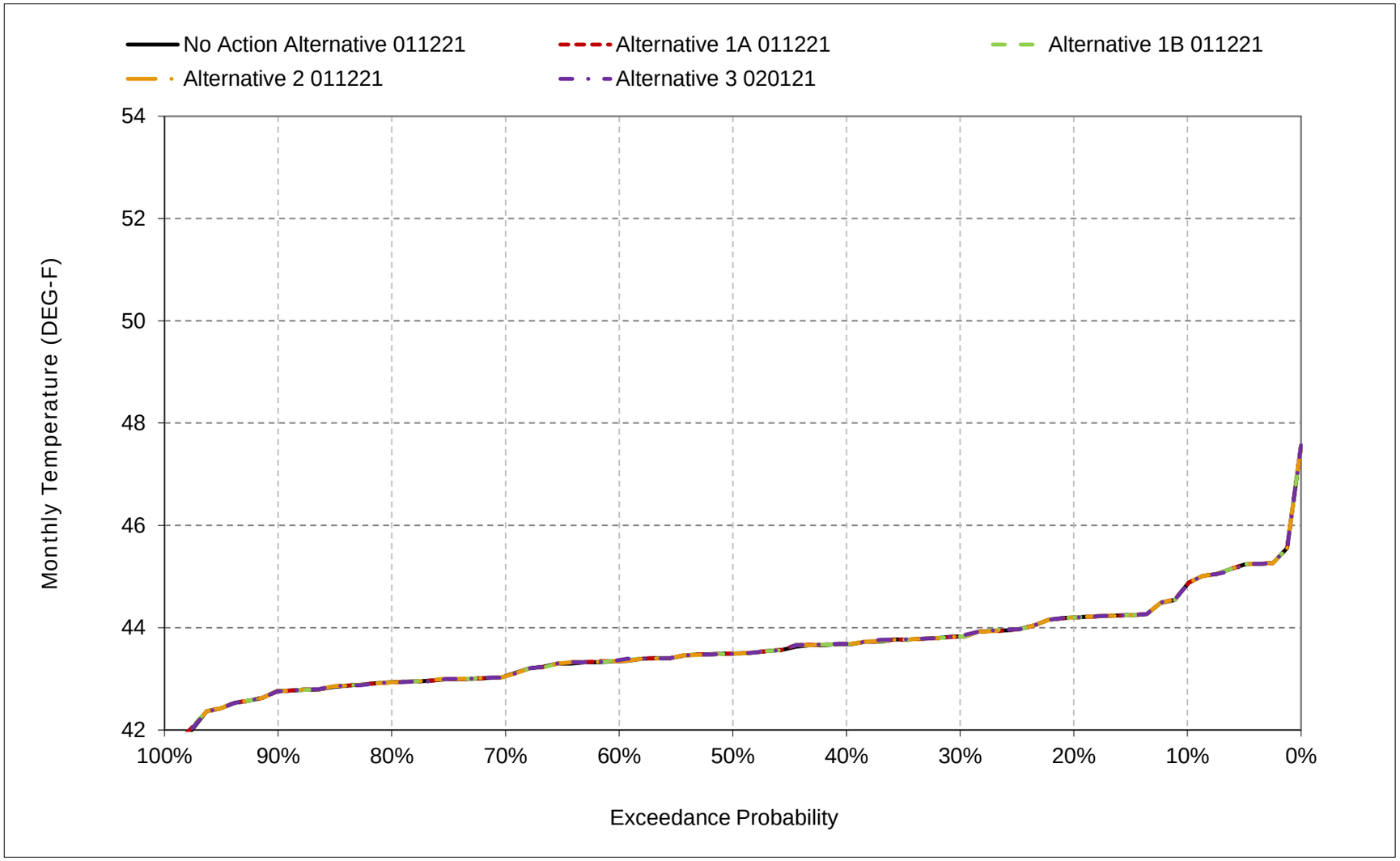
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-2-10. Clear Creek below Whiskeytown, January



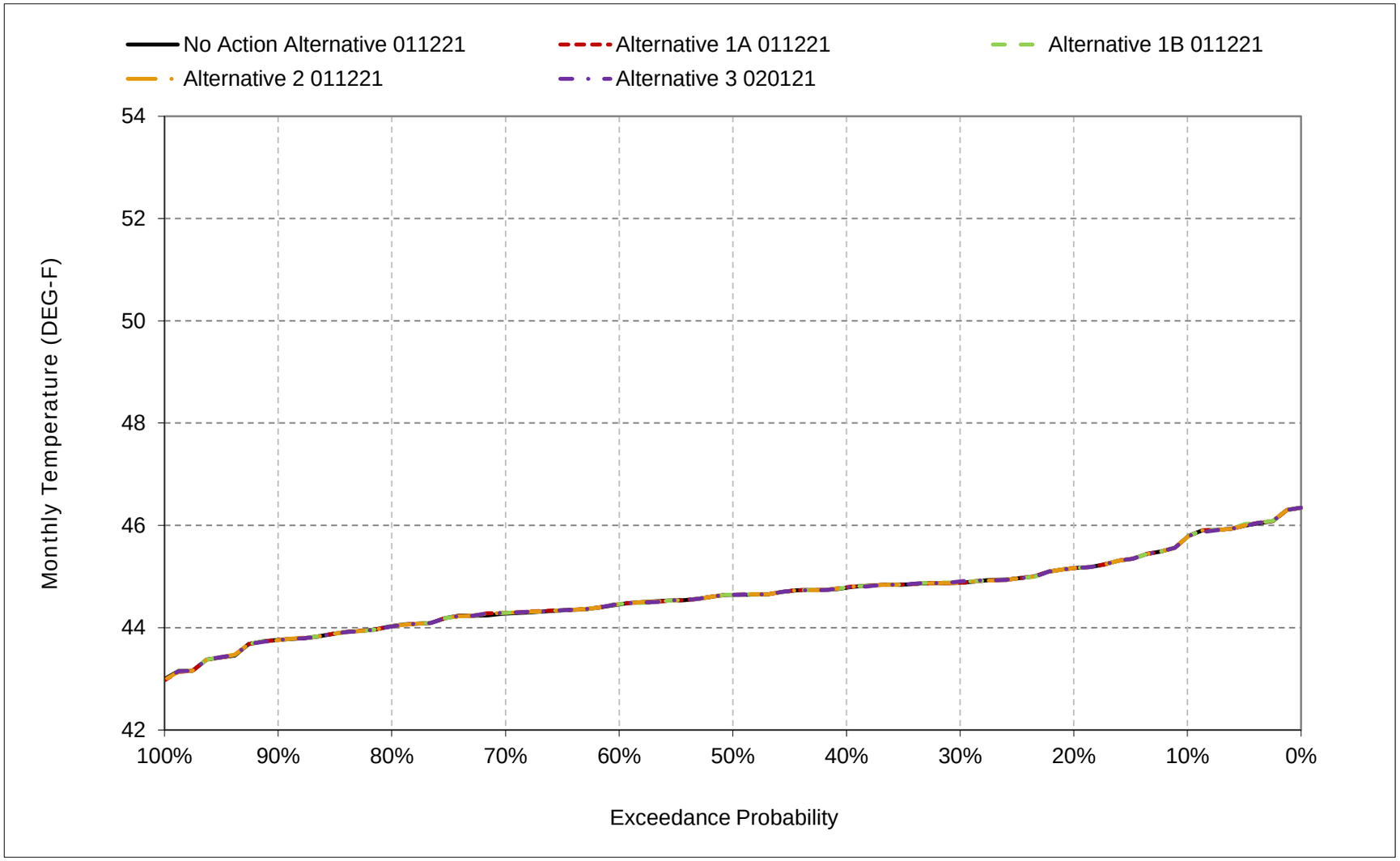
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-2-11. Clear Creek below Whiskeytown, February



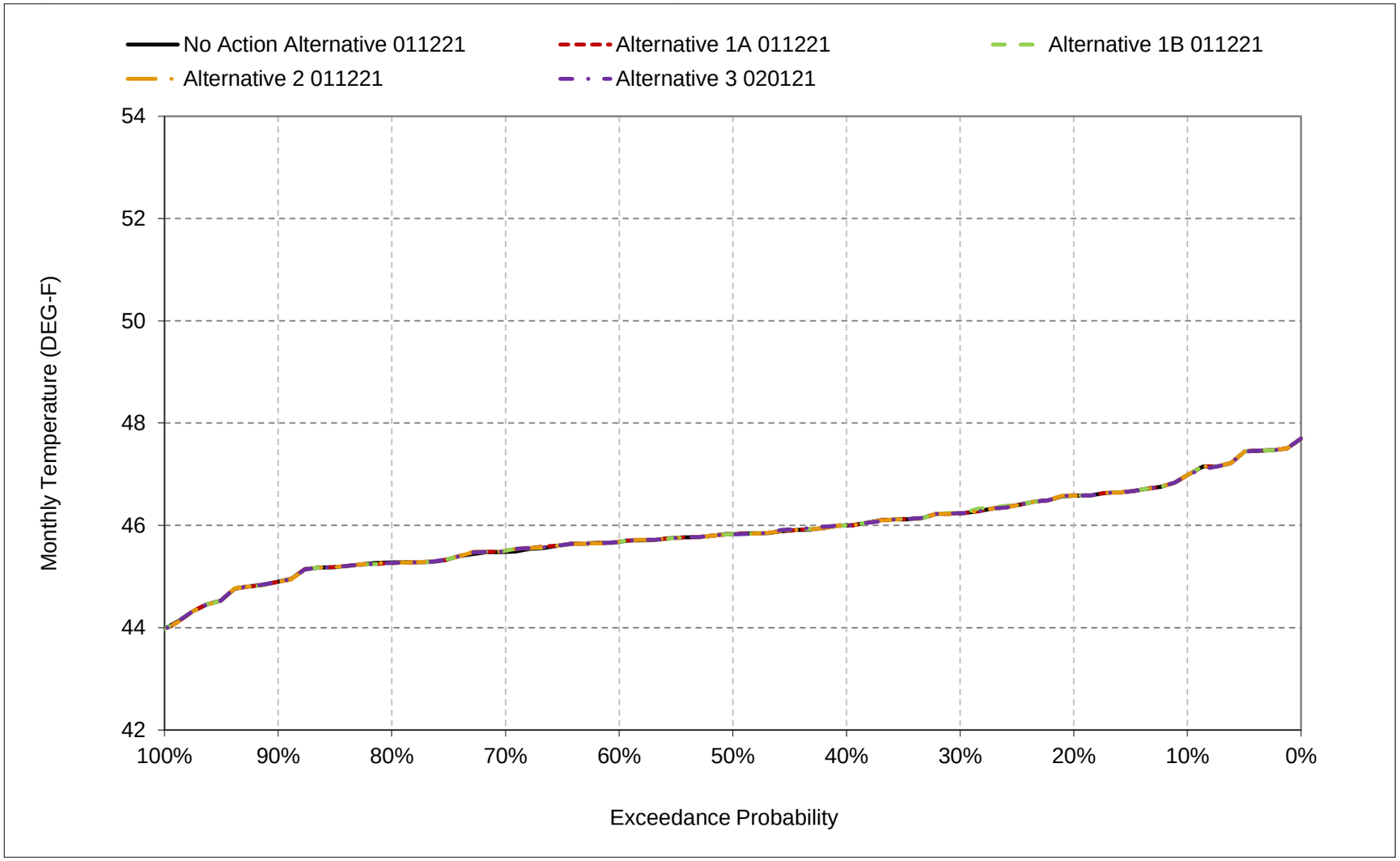
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-2-12. Clear Creek below Whiskeytown, March



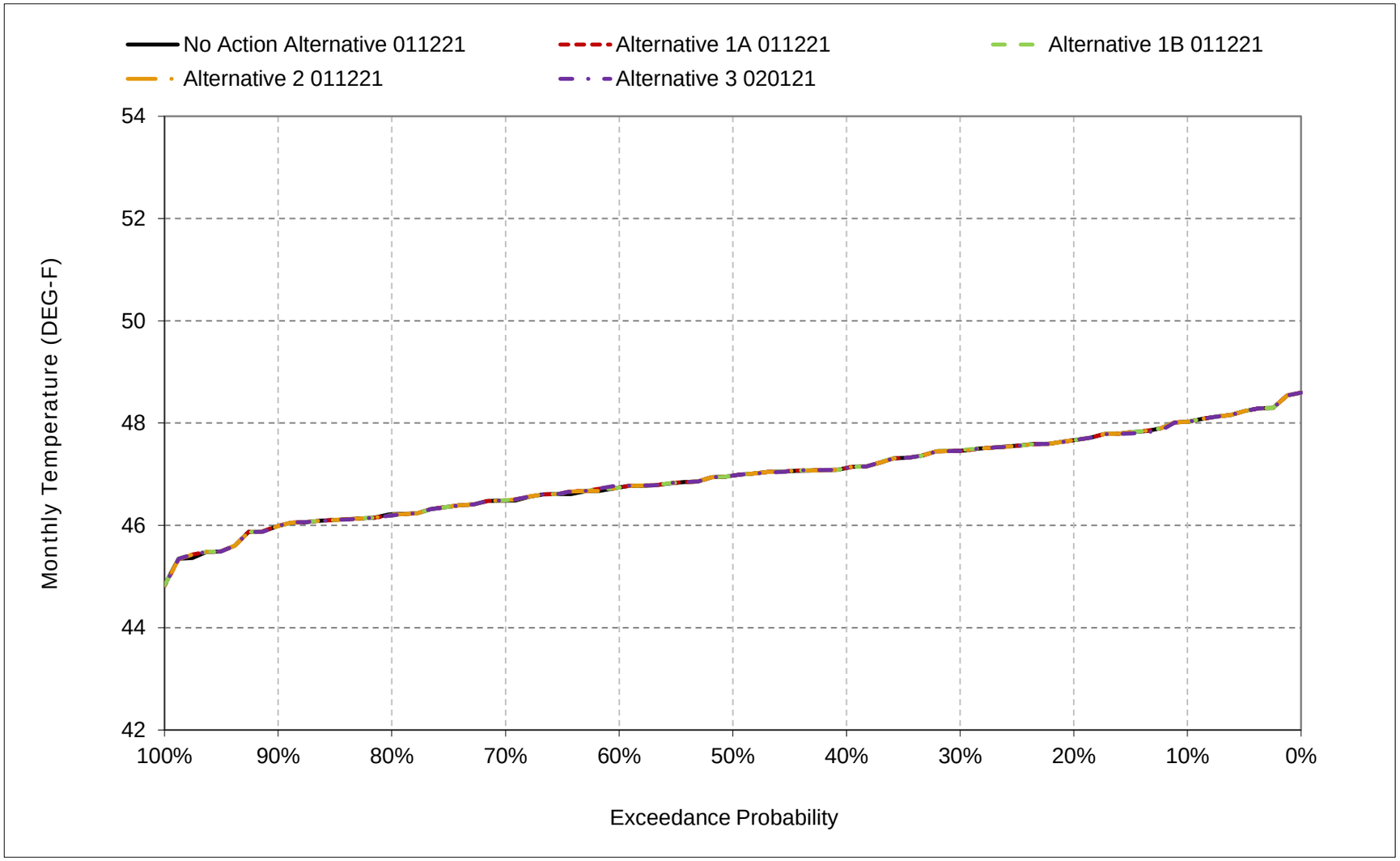
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-2-13. Clear Creek below Whiskeytown, April



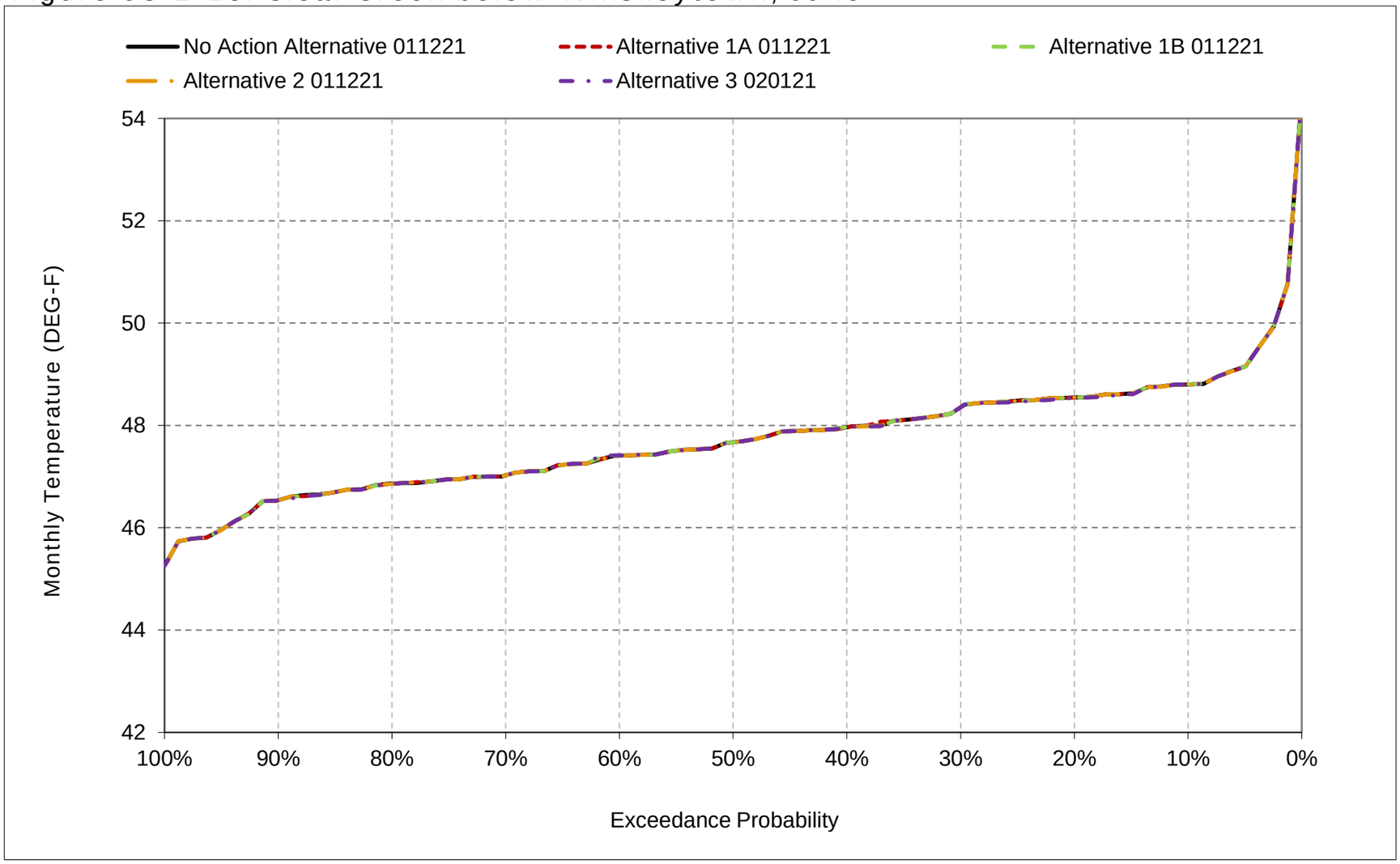
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-2-14. Clear Creek below Whiskeytown, May



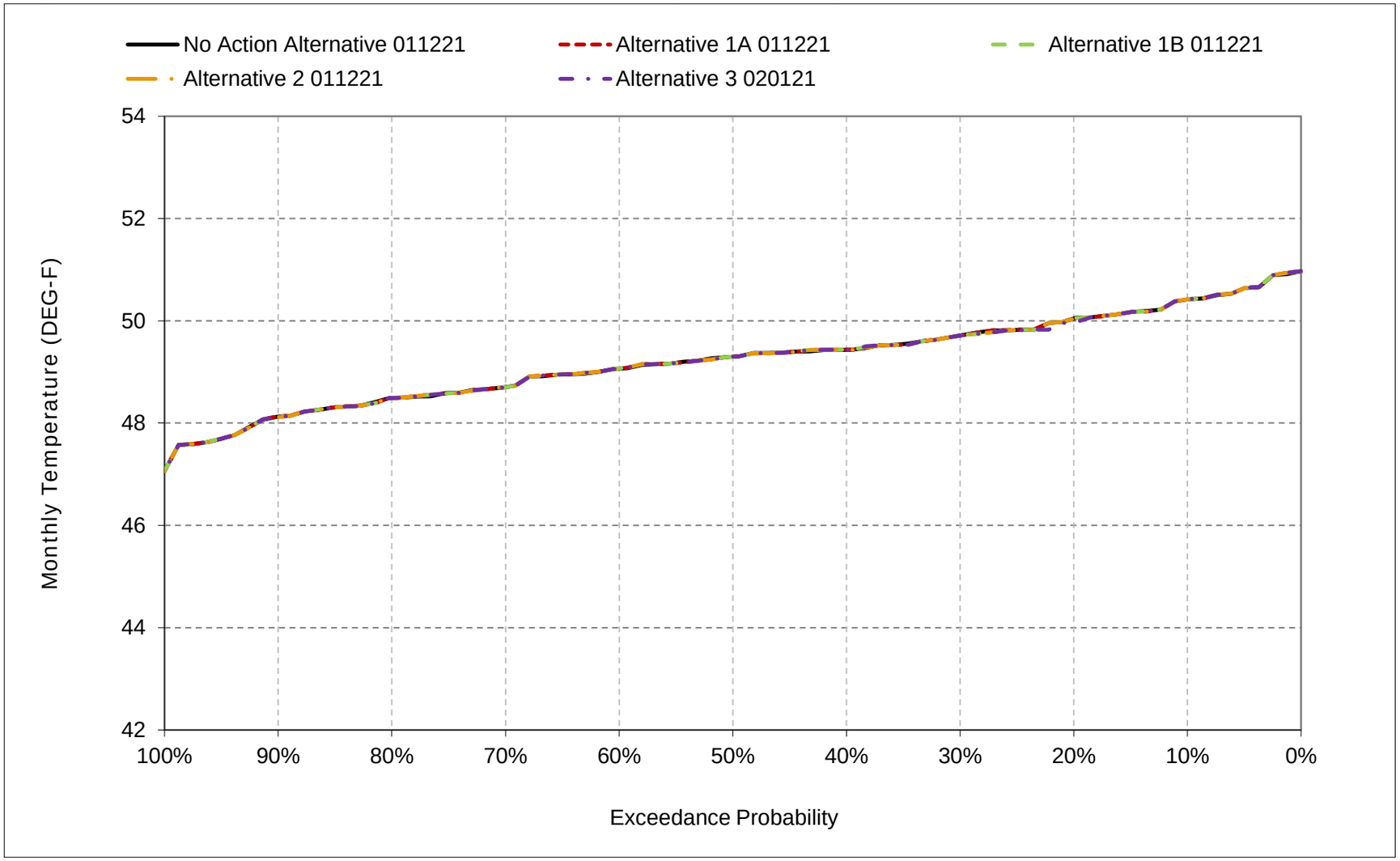
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-2-15. Clear Creek below Whiskeytown, June



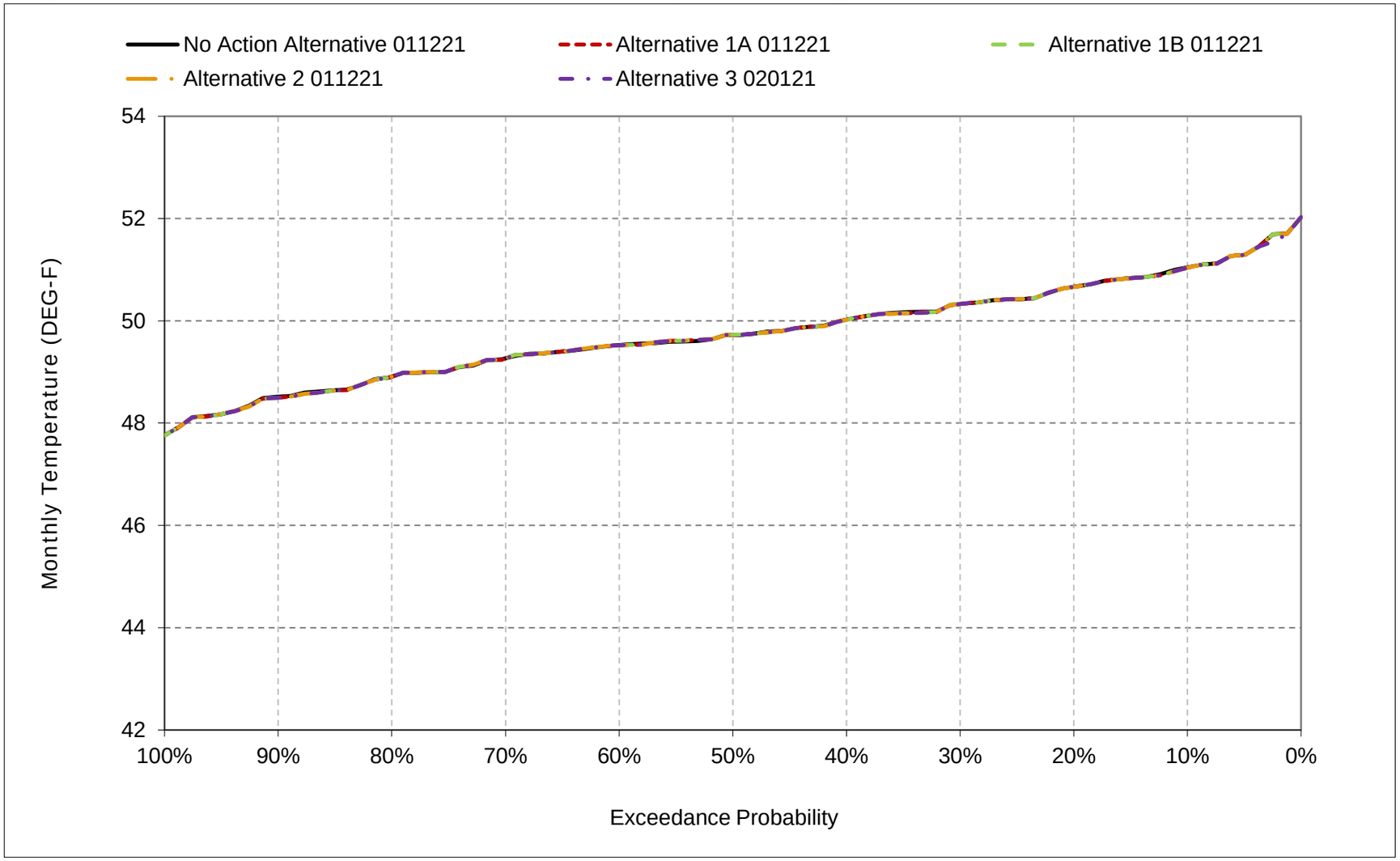
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-2-16. Clear Creek below Whiskeytown, July



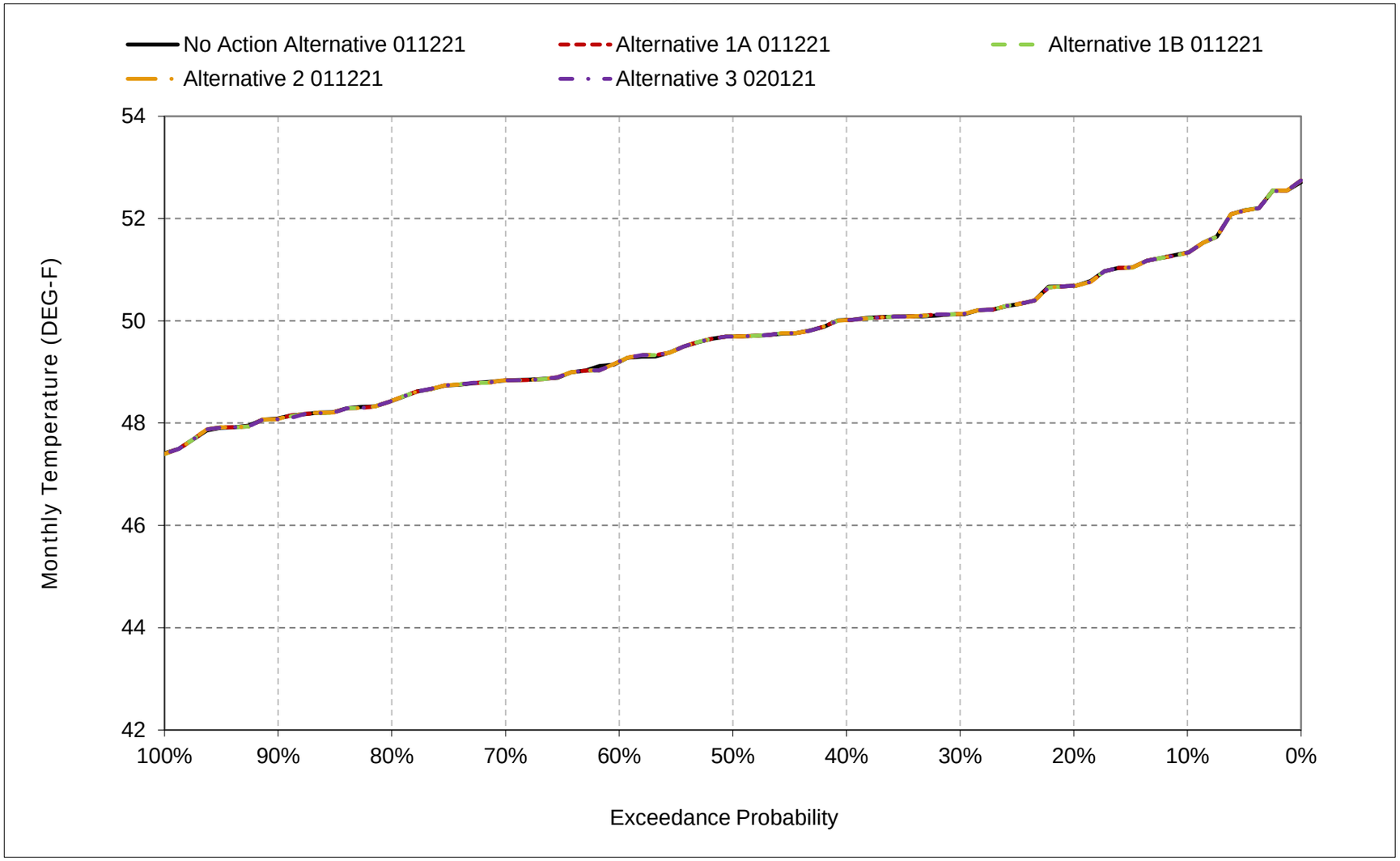
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-2-17. Clear Creek below Whiskeytown, August



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

Figure 6C-2-18. Clear Creek below Whiskeytown, September



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

Table 6C-3-1a. Clear Creek at Igo, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.9	50.3	47.1	45.2	45.3	46.5	48.1	49.6	50.2	52.7	52.9	52.8
20%	51.2	49.6	46.4	44.4	44.5	45.9	47.7	49.1	49.8	52.2	52.6	52.1
30%	50.6	49.3	46.0	44.2	44.2	45.6	47.2	48.8	49.5	51.9	52.2	51.6
40%	50.2	48.9	45.8	43.9	44.0	45.4	47.0	48.5	49.1	51.8	51.9	51.4
50%	50.0	48.6	45.4	43.7	43.8	45.3	46.8	48.3	48.7	51.5	51.7	51.0
60%	49.4	48.1	45.2	43.5	43.6	45.1	46.6	48.1	48.5	51.4	51.5	50.6
70%	48.9	48.0	45.1	43.3	43.4	44.9	46.4	47.9	48.2	51.0	51.3	50.3
80%	48.6	47.7	44.8	43.0	43.2	44.7	46.3	47.6	48.0	50.7	50.9	49.9
90%	48.3	47.1	44.6	42.7	43.0	44.4	45.8	47.2	47.7	50.5	50.5	49.5
Long Term												
Full Simulation Period[a]	50.0	48.6	45.6	43.8	43.9	45.3	46.9	48.3	48.9	51.5	51.7	51.1
Water Year Types[b,c]												
Wet (32%)	48.8	47.8	45.3	43.6	43.6	44.9	46.5	47.9	48.6	51.2	51.2	50.3
Above Normal (15%)	49.3	48.2	45.3	43.8	43.7	45.2	46.8	48.5	49.5	51.7	51.2	50.2
Below Normal (17%)	50.1	48.8	45.7	43.6	43.5	45.1	46.6	47.9	48.3	51.3	51.6	51.0
Dry (22%)	50.5	49.0	45.9	43.6	44.1	45.5	47.1	48.4	48.7	51.7	51.9	51.4
Critical (15%)	52.4	50.1	46.1	44.6	45.0	46.4	48.0	49.5	50.0	52.2	53.0	53.0

Table 6C-3-1b. Clear Creek at Igo, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.9	50.4	47.1	45.2	45.3	46.5	48.1	49.6	50.2	52.7	52.9	52.8
20%	51.2	49.6	46.4	44.4	44.5	45.9	47.7	49.1	49.8	52.2	52.6	52.1
30%	50.6	49.3	46.0	44.2	44.2	45.6	47.2	48.8	49.5	51.9	52.2	51.6
40%	50.2	48.9	45.8	43.9	44.0	45.4	47.0	48.5	49.1	51.8	51.9	51.4
50%	50.0	48.6	45.4	43.7	43.8	45.3	46.8	48.3	48.7	51.5	51.7	51.0
60%	49.4	48.1	45.2	43.5	43.6	45.1	46.6	48.1	48.5	51.4	51.5	50.6
70%	48.9	48.0	45.1	43.2	43.4	44.9	46.4	47.9	48.2	51.0	51.3	50.3
80%	48.6	47.7	44.8	43.0	43.2	44.7	46.3	47.6	48.0	50.7	50.9	49.9
90%	48.3	47.1	44.6	42.7	43.0	44.4	45.8	47.2	47.7	50.5	50.5	49.5
Long Term												
Full Simulation Period[a]	50.0	48.6	45.6	43.8	43.9	45.3	46.9	48.3	48.9	51.5	51.7	51.1
Water Year Types[b,c]												
Wet (32%)	48.8	47.8	45.3	43.6	43.6	44.9	46.5	47.9	48.6	51.2	51.2	50.3
Above Normal (15%)	49.3	48.2	45.4	43.8	43.7	45.2	46.8	48.5	49.5	51.7	51.2	50.3
Below Normal (17%)	50.1	48.8	45.7	43.6	43.5	45.1	46.6	48.0	48.3	51.3	51.6	51.0
Dry (22%)	50.5	49.0	45.9	43.6	44.1	45.5	47.1	48.4	48.7	51.7	51.9	51.4
Critical (15%)	52.4	50.1	46.2	44.6	45.0	46.4	48.0	49.5	50.0	52.2	53.0	53.0

Table 6C-3-1c. Clear Creek at Igo, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-3-2a. Clear Creek at Igo, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.9	50.3	47.1	45.2	45.3	46.5	48.1	49.6	50.2	52.7	52.9	52.8
20%	51.2	49.6	46.4	44.4	44.5	45.9	47.7	49.1	49.8	52.2	52.6	52.1
30%	50.6	49.3	46.0	44.2	44.2	45.6	47.2	48.8	49.5	51.9	52.2	51.6
40%	50.2	48.9	45.8	43.9	44.0	45.4	47.0	48.5	49.1	51.8	51.9	51.4
50%	50.0	48.6	45.4	43.7	43.8	45.3	46.8	48.3	48.7	51.5	51.7	51.0
60%	49.4	48.1	45.2	43.5	43.6	45.1	46.6	48.1	48.5	51.4	51.5	50.6
70%	48.9	48.0	45.1	43.3	43.4	44.9	46.4	47.9	48.2	51.0	51.3	50.3
80%	48.6	47.7	44.8	43.0	43.2	44.7	46.3	47.6	48.0	50.7	50.9	49.9
90%	48.3	47.1	44.6	42.7	43.0	44.4	45.8	47.2	47.7	50.5	50.5	49.5
Long Term												
Full Simulation Period[a]	50.0	48.6	45.6	43.8	43.9	45.3	46.9	48.3	48.9	51.5	51.7	51.1
Water Year Types[b,c]												
Wet (32%)	48.8	47.8	45.3	43.6	43.6	44.9	46.5	47.9	48.6	51.2	51.2	50.3
Above Normal (15%)	49.3	48.2	45.3	43.8	43.7	45.2	46.8	48.5	49.5	51.7	51.2	50.2
Below Normal (17%)	50.1	48.8	45.7	43.6	43.5	45.1	46.6	47.9	48.3	51.3	51.6	51.0
Dry (22%)	50.5	49.0	45.9	43.6	44.1	45.5	47.1	48.4	48.7	51.7	51.9	51.4
Critical (15%)	52.4	50.1	46.1	44.6	45.0	46.4	48.0	49.5	50.0	52.2	53.0	53.0

Table 6C-3-2b. Clear Creek at Igo, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.9	50.4	47.1	45.2	45.3	46.5	48.1	49.6	50.2	52.7	52.9	52.8
20%	51.2	49.6	46.4	44.4	44.5	45.9	47.7	49.1	49.8	52.2	52.6	52.1
30%	50.6	49.3	46.0	44.2	44.2	45.6	47.2	48.8	49.5	51.9	52.2	51.6
40%	50.2	48.9	45.8	43.9	44.0	45.4	47.0	48.5	49.1	51.8	51.8	51.4
50%	50.0	48.6	45.4	43.7	43.8	45.3	46.8	48.3	48.7	51.5	51.7	51.0
60%	49.4	48.1	45.2	43.5	43.6	45.1	46.6	48.1	48.5	51.4	51.5	50.6
70%	48.9	48.0	45.1	43.2	43.4	44.9	46.4	47.9	48.2	51.0	51.3	50.3
80%	48.6	47.7	44.8	43.0	43.2	44.7	46.3	47.6	48.0	50.7	50.9	49.9
90%	48.3	47.1	44.7	42.7	43.0	44.4	45.8	47.2	47.7	50.5	50.5	49.5
Long Term												
Full Simulation Period[a]	50.0	48.6	45.6	43.8	43.9	45.3	46.9	48.3	48.9	51.5	51.7	51.1
Water Year Types[b,c]												
Wet (32%)	48.8	47.8	45.3	43.6	43.6	44.9	46.5	47.9	48.6	51.2	51.2	50.3
Above Normal (15%)	49.3	48.2	45.4	43.8	43.7	45.2	46.8	48.5	49.5	51.7	51.2	50.2
Below Normal (17%)	50.1	48.8	45.7	43.6	43.5	45.1	46.6	48.0	48.3	51.3	51.6	51.0
Dry (22%)	50.5	49.0	45.9	43.6	44.1	45.5	47.1	48.4	48.7	51.7	51.9	51.4
Critical (15%)	52.4	50.1	46.2	44.6	45.0	46.4	48.0	49.5	50.0	52.2	53.0	53.0

Table 6C-3-2c. Clear Creek at Igo, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-3-3a. Clear Creek at Igo, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.9	50.3	47.1	45.2	45.3	46.5	48.1	49.6	50.2	52.7	52.9	52.8
20%	51.2	49.6	46.4	44.4	44.5	45.9	47.7	49.1	49.8	52.2	52.6	52.1
30%	50.6	49.3	46.0	44.2	44.2	45.6	47.2	48.8	49.5	51.9	52.2	51.6
40%	50.2	48.9	45.8	43.9	44.0	45.4	47.0	48.5	49.1	51.8	51.9	51.4
50%	50.0	48.6	45.4	43.7	43.8	45.3	46.8	48.3	48.7	51.5	51.7	51.0
60%	49.4	48.1	45.2	43.5	43.6	45.1	46.6	48.1	48.5	51.4	51.5	50.6
70%	48.9	48.0	45.1	43.3	43.4	44.9	46.4	47.9	48.2	51.0	51.3	50.3
80%	48.6	47.7	44.8	43.0	43.2	44.7	46.3	47.6	48.0	50.7	50.9	49.9
90%	48.3	47.1	44.6	42.7	43.0	44.4	45.8	47.2	47.7	50.5	50.5	49.5
Long Term												
Full Simulation Period[a]	50.0	48.6	45.6	43.8	43.9	45.3	46.9	48.3	48.9	51.5	51.7	51.1
Water Year Types[b,c]												
Wet (32%)	48.8	47.8	45.3	43.6	43.6	44.9	46.5	47.9	48.6	51.2	51.2	50.3
Above Normal (15%)	49.3	48.2	45.3	43.8	43.7	45.2	46.8	48.5	49.5	51.7	51.2	50.2
Below Normal (17%)	50.1	48.8	45.7	43.6	43.5	45.1	46.6	47.9	48.3	51.3	51.6	51.0
Dry (22%)	50.5	49.0	45.9	43.6	44.1	45.5	47.1	48.4	48.7	51.7	51.9	51.4
Critical (15%)	52.4	50.1	46.1	44.6	45.0	46.4	48.0	49.5	50.0	52.2	53.0	53.0

Table 6C-3-3b. Clear Creek at Igo, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.9	50.4	47.1	45.2	45.3	46.5	48.1	49.6	50.2	52.7	52.9	52.8
20%	51.2	49.6	46.4	44.5	44.5	45.9	47.7	49.1	49.8	52.2	52.6	52.1
30%	50.6	49.3	46.0	44.2	44.2	45.6	47.2	48.8	49.5	51.9	52.2	51.6
40%	50.2	48.9	45.8	43.9	44.0	45.4	47.0	48.5	49.1	51.8	51.9	51.4
50%	50.0	48.6	45.4	43.7	43.8	45.3	46.8	48.3	48.7	51.5	51.7	51.0
60%	49.4	48.1	45.2	43.5	43.6	45.1	46.6	48.1	48.5	51.4	51.5	50.6
70%	48.9	48.0	45.1	43.2	43.4	44.9	46.4	47.9	48.2	51.0	51.3	50.3
80%	48.6	47.7	44.8	43.0	43.2	44.7	46.3	47.6	48.0	50.7	50.9	49.9
90%	48.3	47.1	44.6	42.8	43.0	44.4	45.8	47.2	47.7	50.5	50.5	49.5
Long Term												
Full Simulation Period[a]	50.0	48.6	45.6	43.8	43.9	45.3	46.9	48.3	48.9	51.5	51.7	51.1
Water Year Types[b,c]												
Wet (32%)	48.8	47.8	45.3	43.6	43.6	44.9	46.5	47.9	48.6	51.2	51.2	50.3
Above Normal (15%)	49.3	48.2	45.4	43.8	43.7	45.2	46.8	48.5	49.5	51.7	51.2	50.3
Below Normal (17%)	50.1	48.8	45.7	43.6	43.5	45.1	46.6	48.0	48.3	51.3	51.6	51.0
Dry (22%)	50.5	49.0	45.9	43.6	44.1	45.5	47.1	48.4	48.7	51.7	51.9	51.4
Critical (15%)	52.4	50.1	46.2	44.6	45.0	46.4	48.0	49.5	50.0	52.2	53.0	53.0

Table 6C-3-3c. Clear Creek at Igo, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-3-4a. Clear Creek at Igo, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.9	50.3	47.1	45.2	45.3	46.5	48.1	49.6	50.2	52.7	52.9	52.8
20%	51.2	49.6	46.4	44.4	44.5	45.9	47.7	49.1	49.8	52.2	52.6	52.1
30%	50.6	49.3	46.0	44.2	44.2	45.6	47.2	48.8	49.5	51.9	52.2	51.6
40%	50.2	48.9	45.8	43.9	44.0	45.4	47.0	48.5	49.1	51.8	51.9	51.4
50%	50.0	48.6	45.4	43.7	43.8	45.3	46.8	48.3	48.7	51.5	51.7	51.0
60%	49.4	48.1	45.2	43.5	43.6	45.1	46.6	48.1	48.5	51.4	51.5	50.6
70%	48.9	48.0	45.1	43.3	43.4	44.9	46.4	47.9	48.2	51.0	51.3	50.3
80%	48.6	47.7	44.8	43.0	43.2	44.7	46.3	47.6	48.0	50.7	50.9	49.9
90%	48.3	47.1	44.6	42.7	43.0	44.4	45.8	47.2	47.7	50.5	50.5	49.5
Long Term												
Full Simulation Period[a]	50.0	48.6	45.6	43.8	43.9	45.3	46.9	48.3	48.9	51.5	51.7	51.1
Water Year Types[b,c]												
Wet (32%)	48.8	47.8	45.3	43.6	43.6	44.9	46.5	47.9	48.6	51.2	51.2	50.3
Above Normal (15%)	49.3	48.2	45.3	43.8	43.7	45.2	46.8	48.5	49.5	51.7	51.2	50.2
Below Normal (17%)	50.1	48.8	45.7	43.6	43.5	45.1	46.6	47.9	48.3	51.3	51.6	51.0
Dry (22%)	50.5	49.0	45.9	43.6	44.1	45.5	47.1	48.4	48.7	51.7	51.9	51.4
Critical (15%)	52.4	50.1	46.1	44.6	45.0	46.4	48.0	49.5	50.0	52.2	53.0	53.0

Table 6C-3-4b. Clear Creek at Igo, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	51.9	50.4	47.0	45.2	45.3	46.5	48.1	49.6	50.2	52.7	52.9	52.8
20%	51.2	49.6	46.4	44.4	44.5	45.9	47.7	49.1	49.8	52.2	52.6	52.1
30%	50.6	49.3	46.0	44.2	44.2	45.6	47.2	48.8	49.5	51.9	52.2	51.6
40%	50.2	48.9	45.8	43.9	44.0	45.4	47.0	48.5	49.1	51.8	51.9	51.4
50%	50.0	48.6	45.4	43.7	43.8	45.3	46.8	48.3	48.7	51.5	51.7	51.0
60%	49.4	48.1	45.2	43.5	43.6	45.1	46.6	48.1	48.5	51.4	51.5	50.6
70%	48.9	48.0	45.1	43.2	43.4	44.9	46.4	47.9	48.2	51.0	51.3	50.3
80%	48.6	47.7	44.8	43.0	43.2	44.7	46.3	47.6	48.0	50.7	50.9	49.9
90%	48.3	47.1	44.6	42.7	43.0	44.4	45.8	47.2	47.7	50.5	50.5	49.5
Long Term												
Full Simulation Period[a]	50.0	48.6	45.6	43.8	43.9	45.3	46.9	48.3	48.9	51.5	51.7	51.1
Water Year Types[b,c]												
Wet (32%)	48.8	47.8	45.3	43.6	43.6	44.9	46.5	47.9	48.6	51.2	51.2	50.3
Above Normal (15%)	49.3	48.2	45.4	43.8	43.7	45.2	46.8	48.5	49.5	51.7	51.2	50.2
Below Normal (17%)	50.1	48.8	45.7	43.6	43.5	45.1	46.6	48.0	48.3	51.3	51.6	51.0
Dry (22%)	50.5	49.0	45.9	43.6	44.1	45.5	47.1	48.4	48.7	51.7	51.9	51.4
Critical (15%)	52.4	50.1	46.2	44.6	45.0	46.4	48.0	49.5	49.9	52.2	52.9	53.0

Table 6C-3-4c. Clear Creek at Igo, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

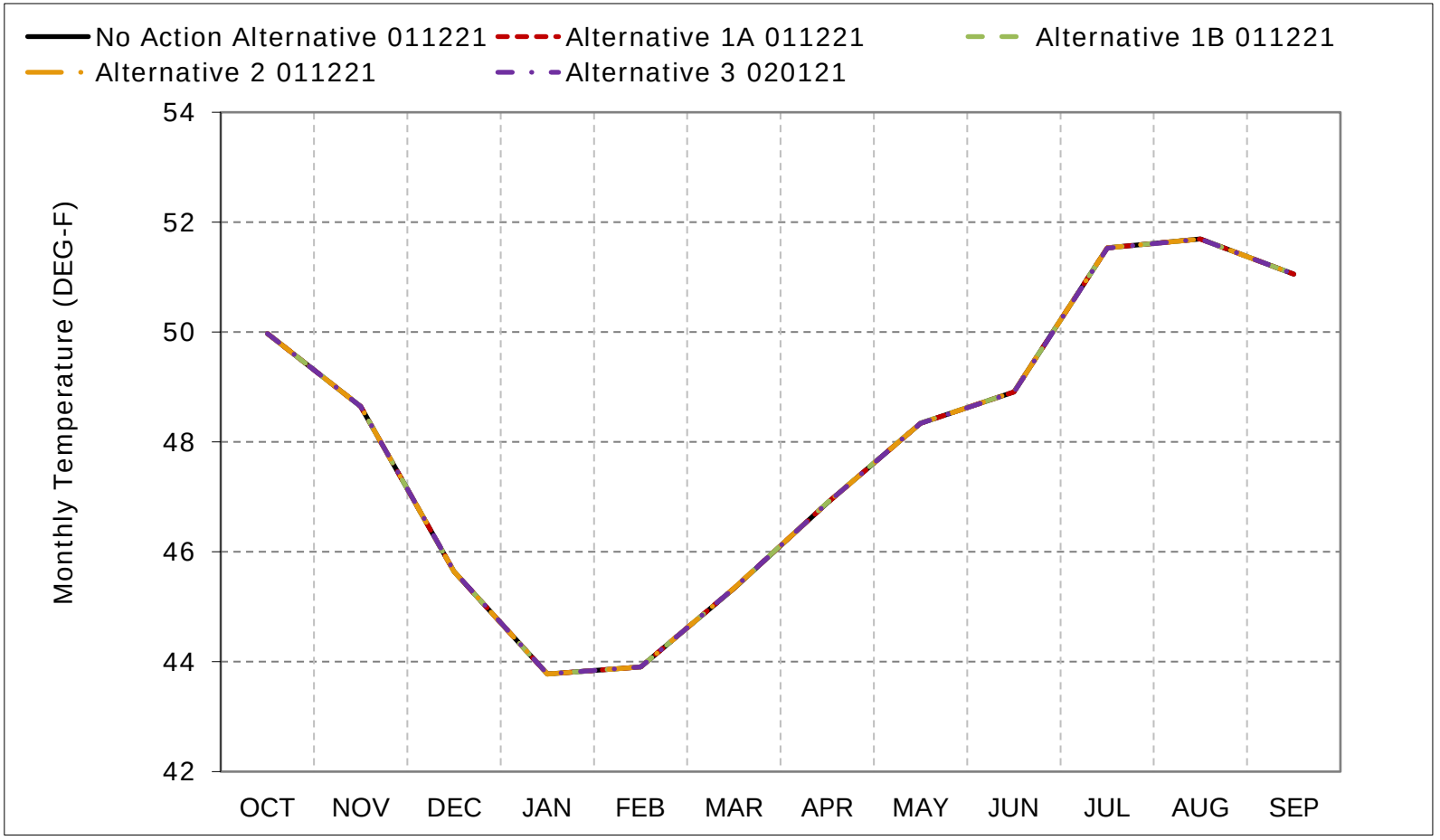
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

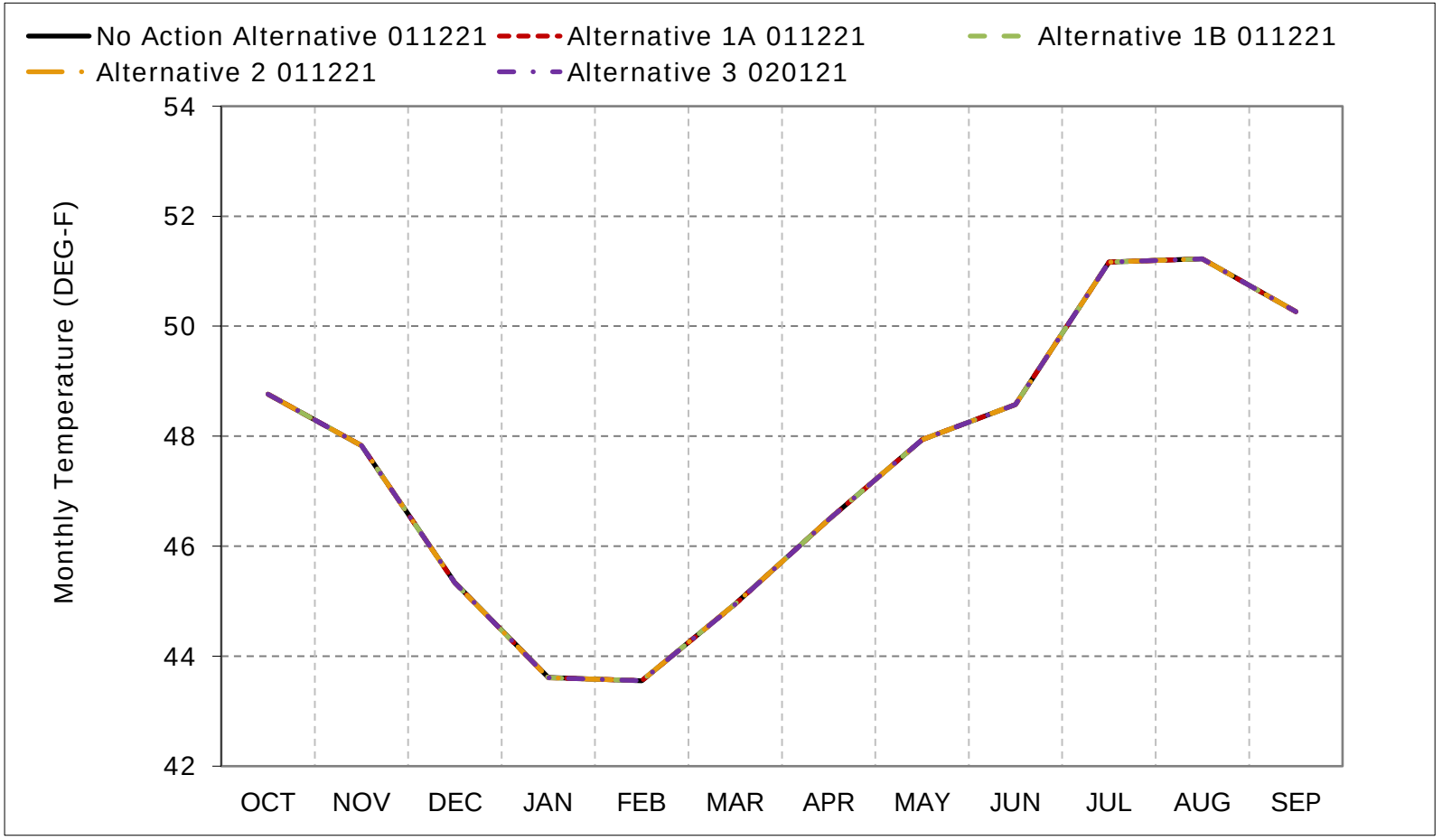
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-3-1. Clear Creek at Igo, Long-Term Average Temperature



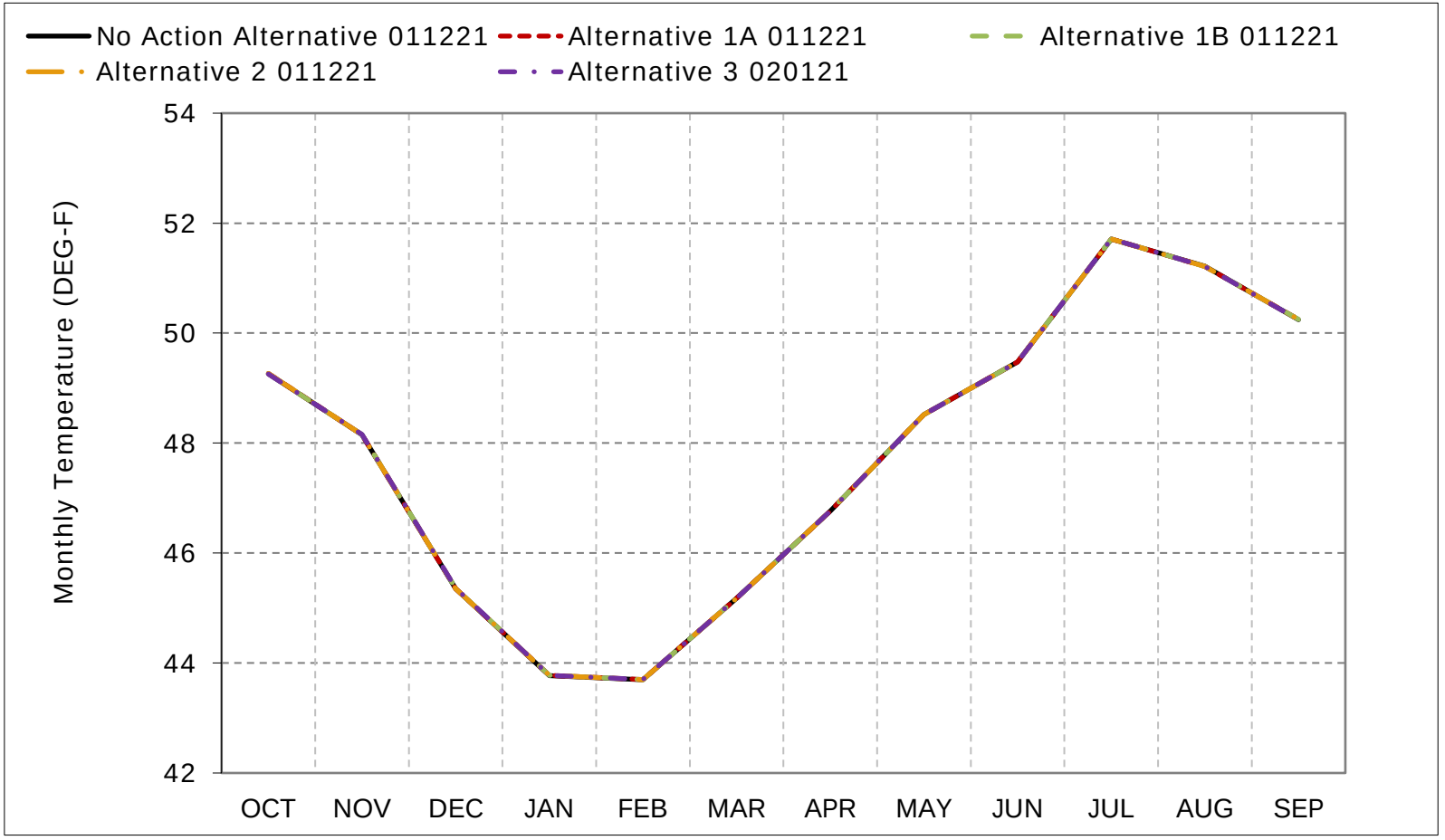
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-3-2. Clear Creek at Igo, Wet Year Average Temperature



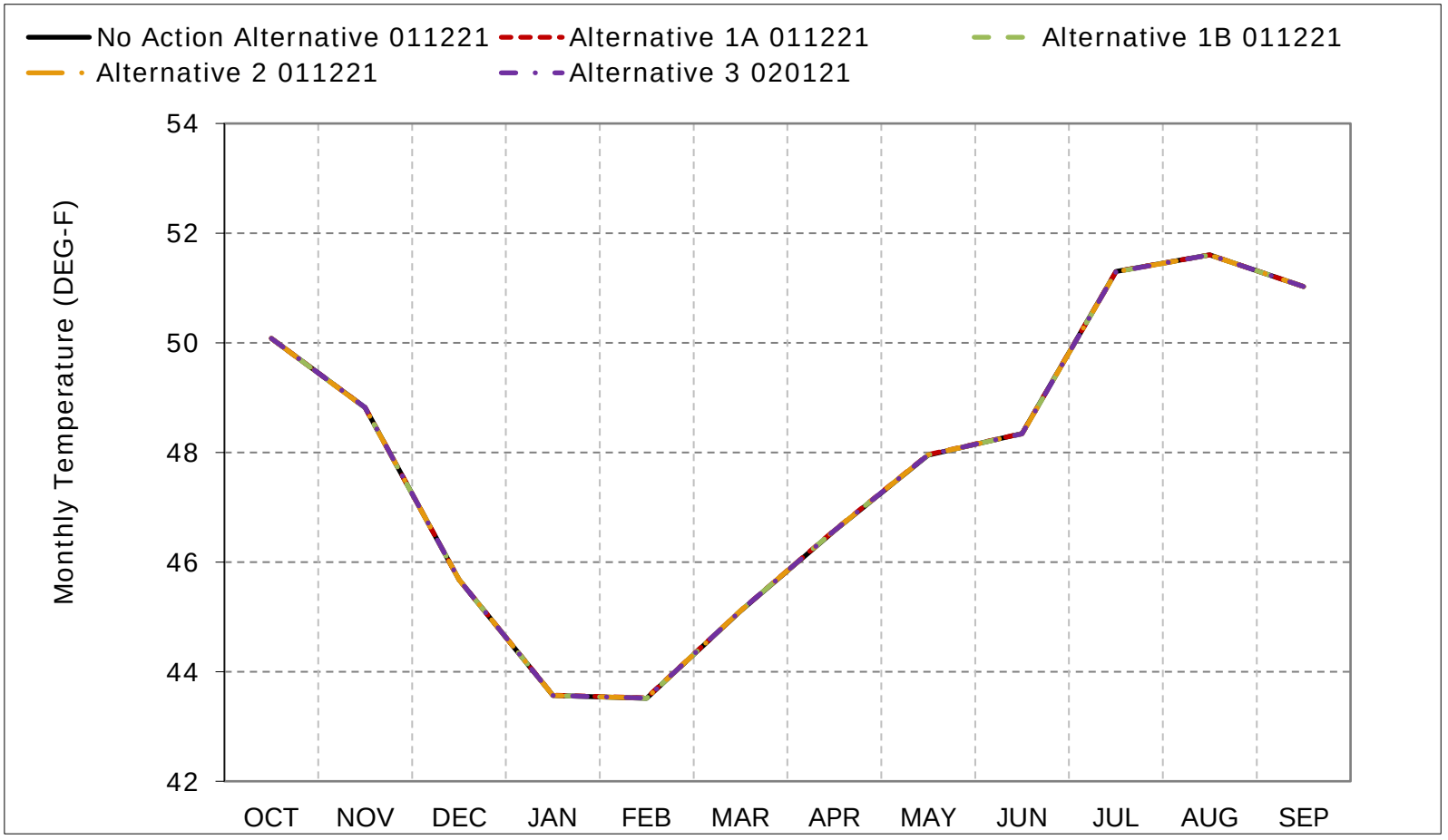
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-3-3. Clear Creek at Igo, Above Normal Year Average Temperature



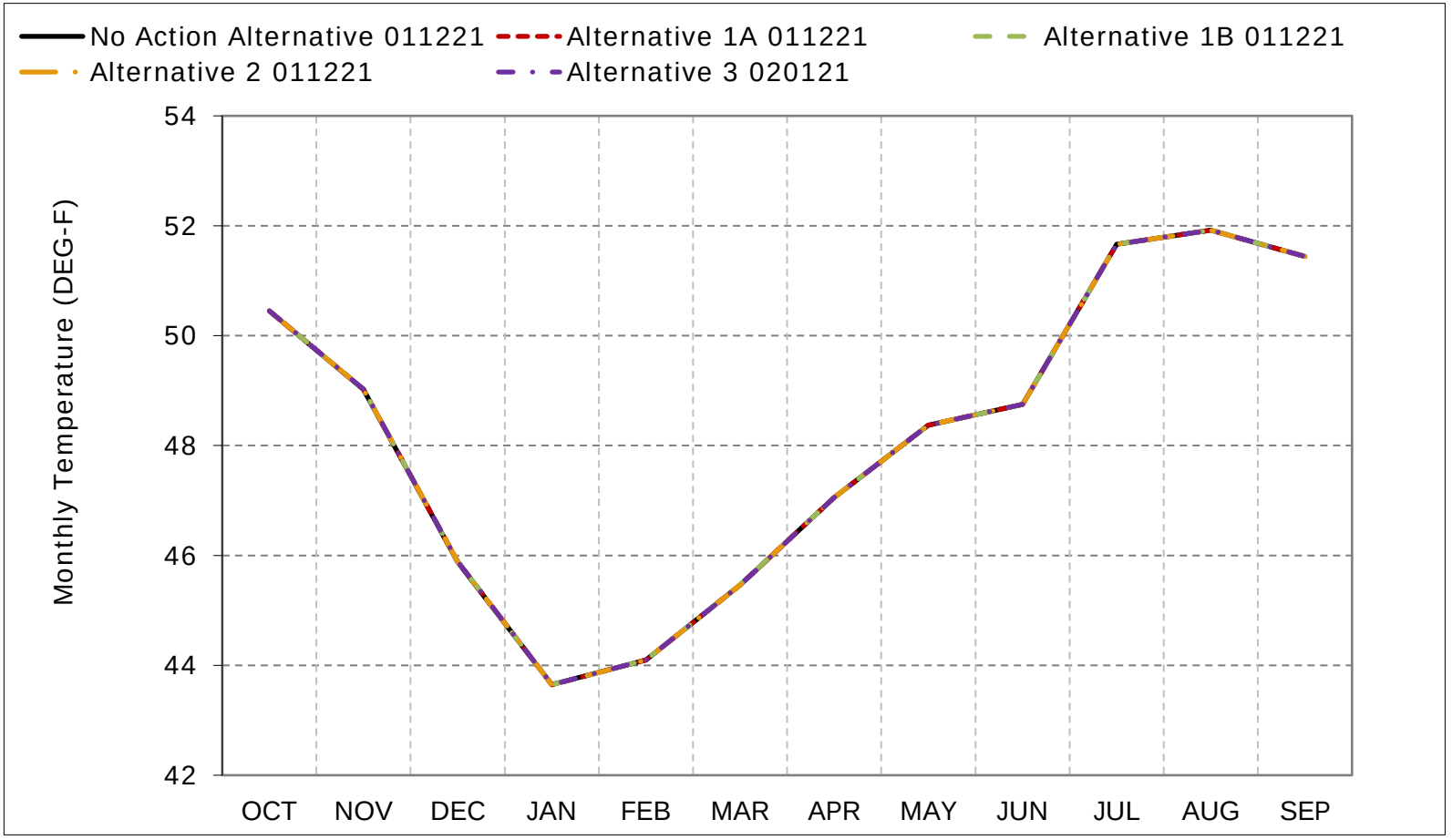
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-3-4. Clear Creek at Igo, Below Normal Year Average Temperature



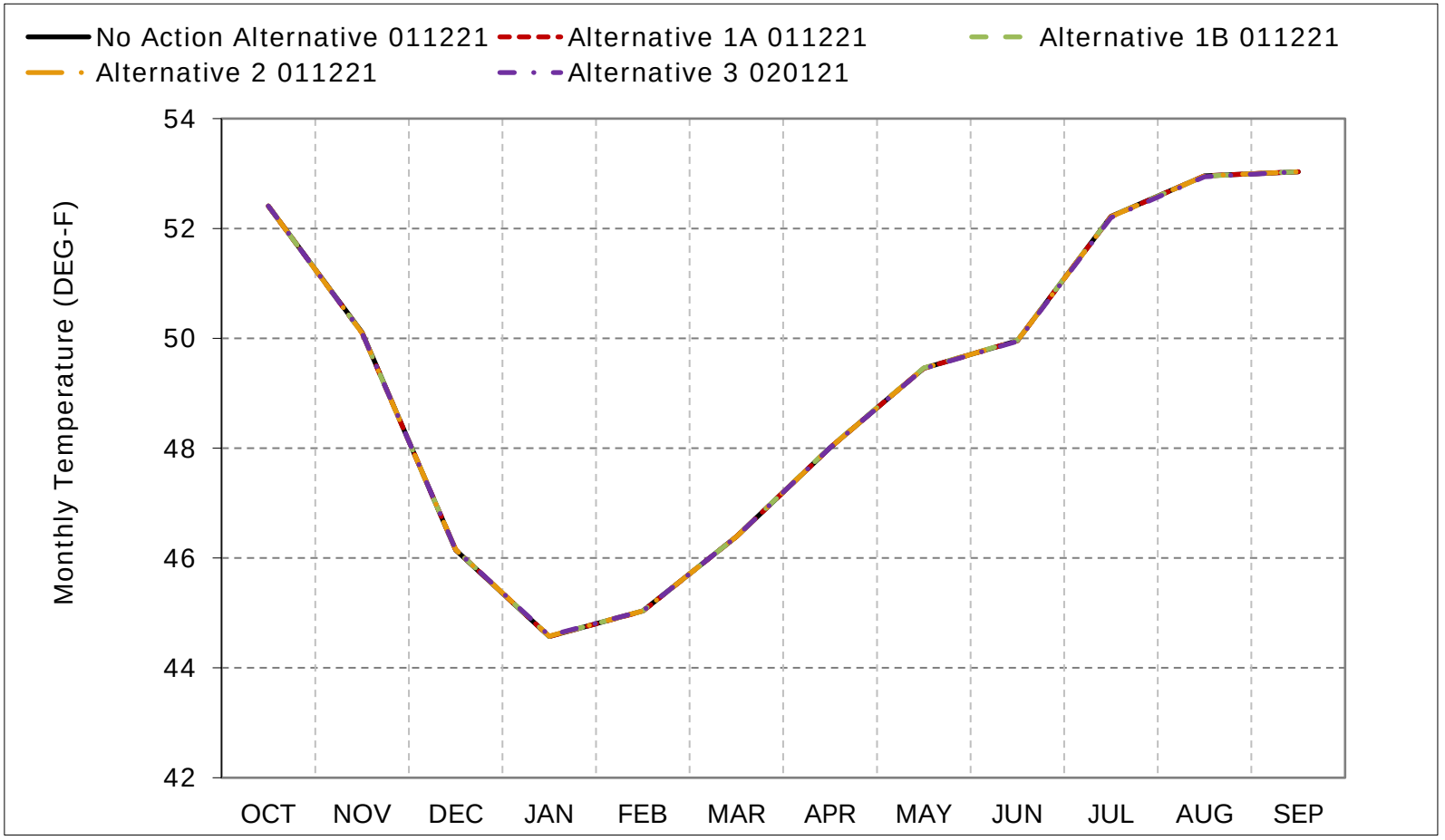
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-3-5. Clear Creek at Igo, Dry Year Average Temperature



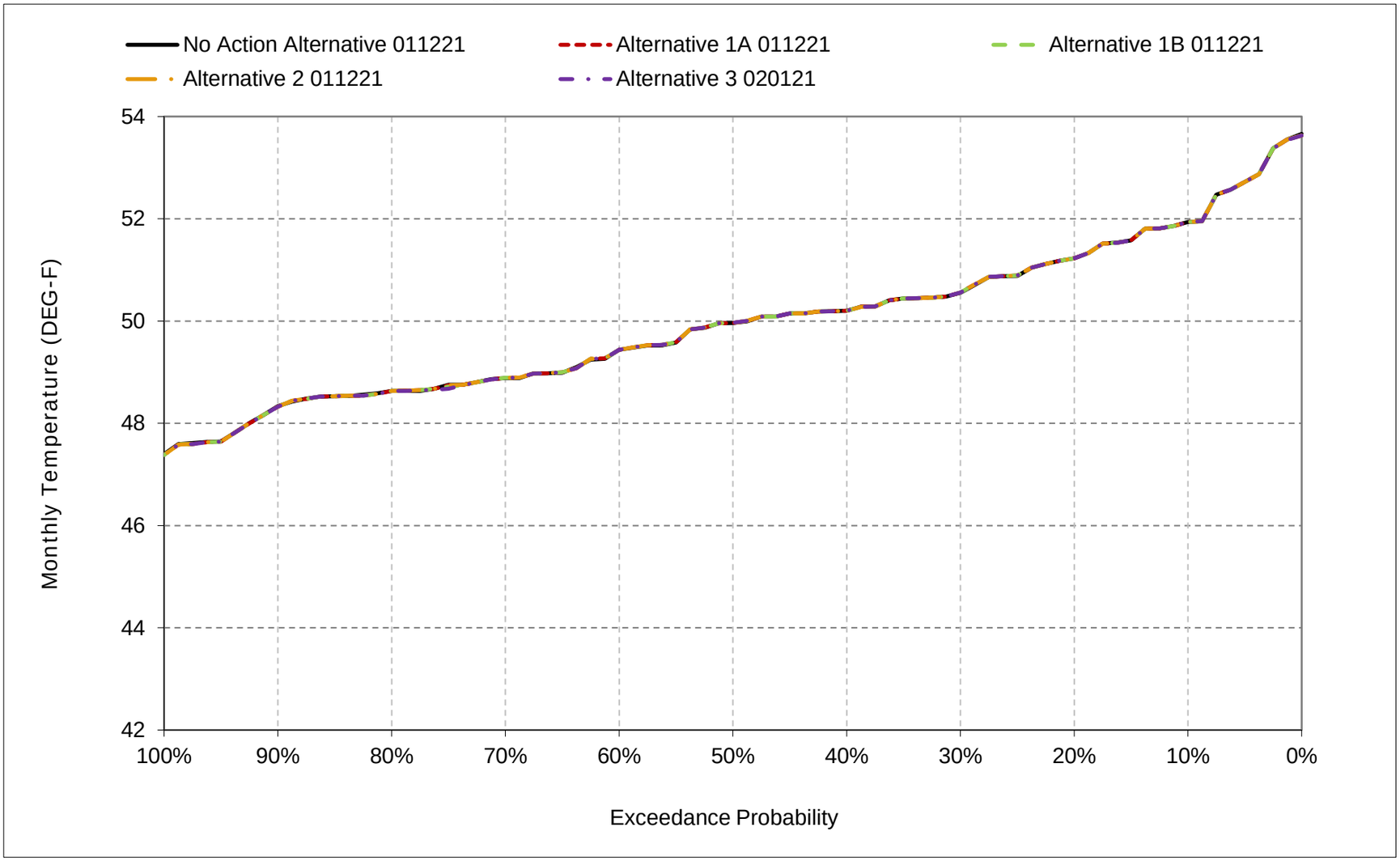
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-3-6. Clear Creek at Igo, Critical Year Average Temperature



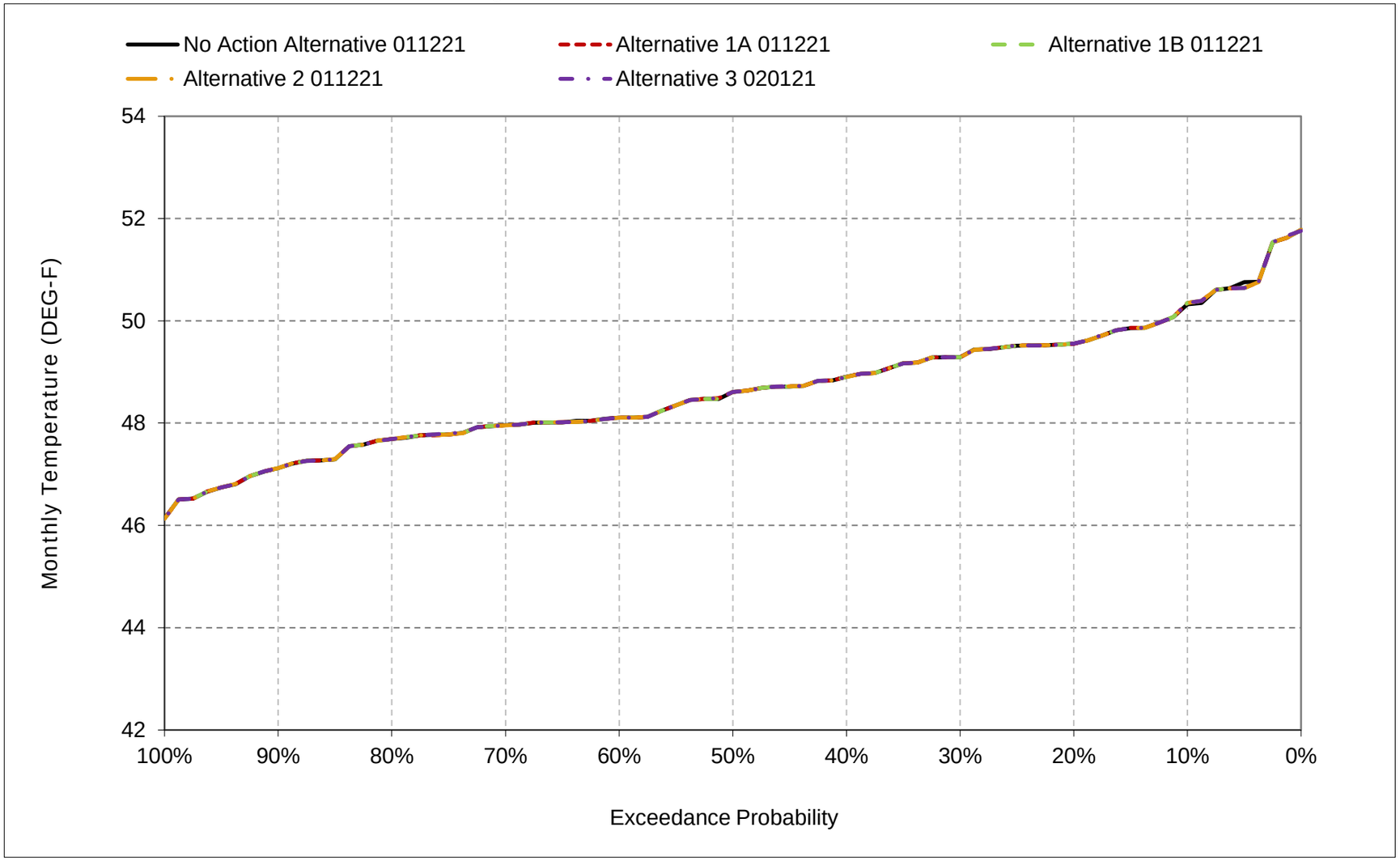
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-3-7. Clear Creek at Igo, October



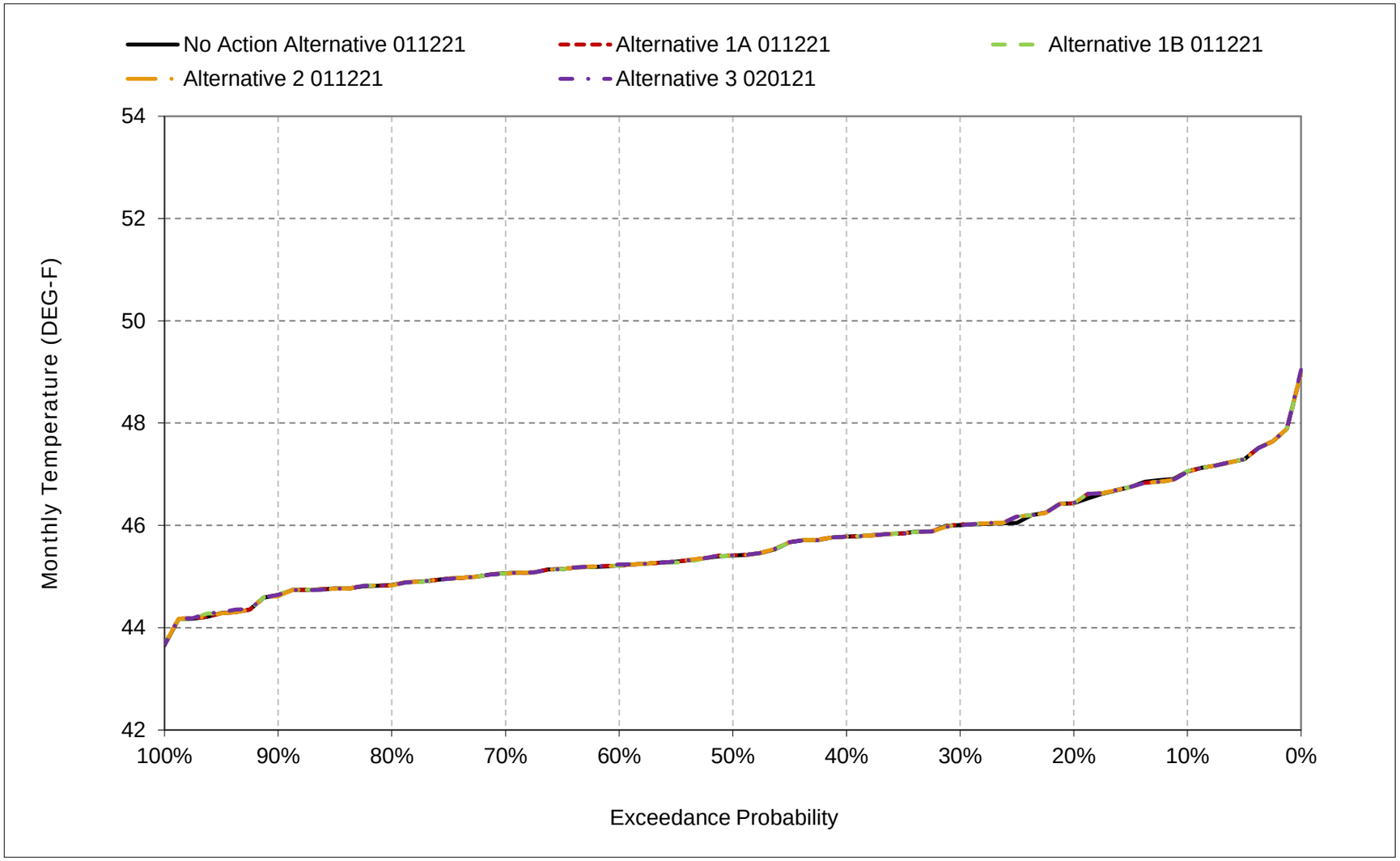
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-3-8. Clear Creek at Igo, November



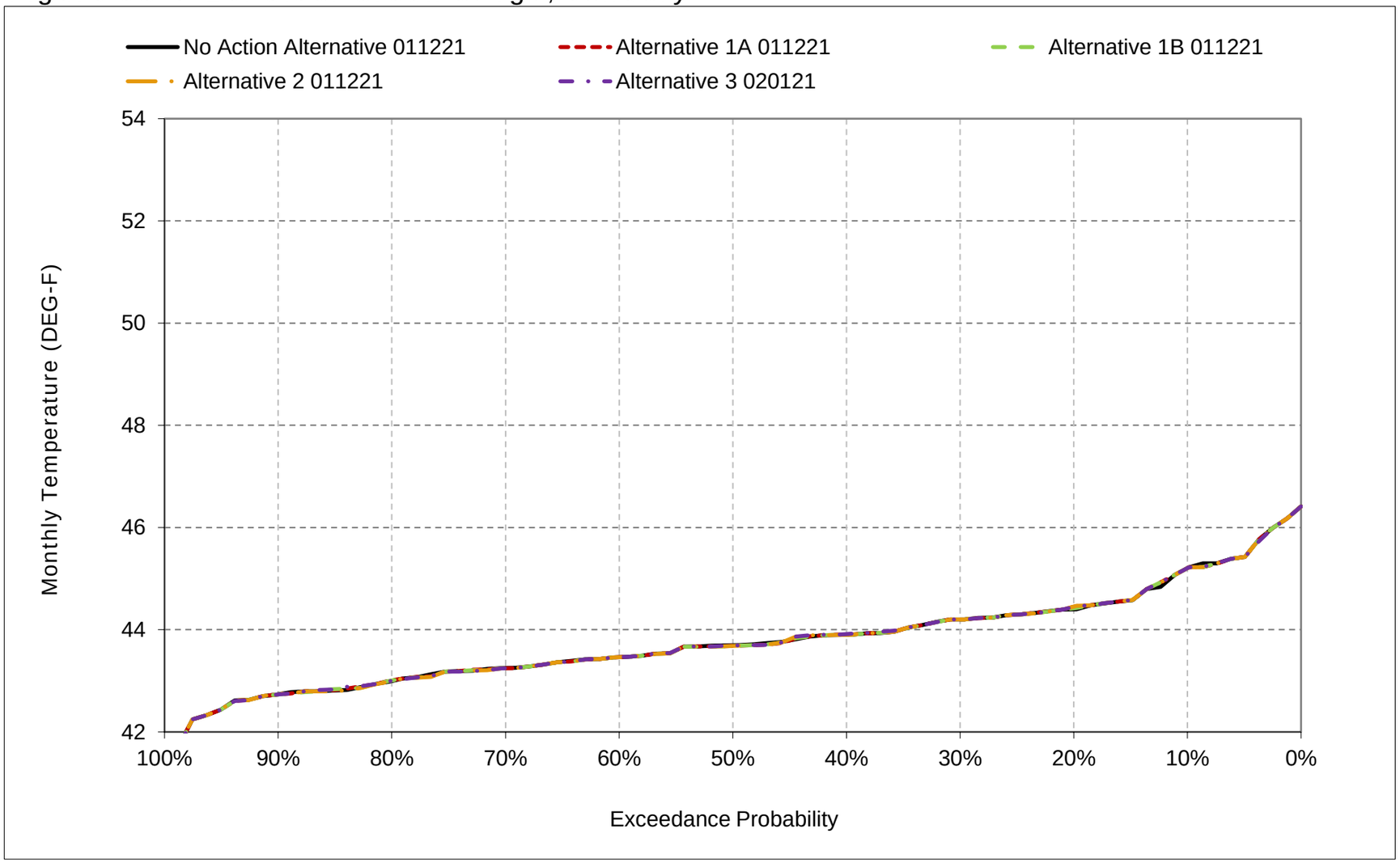
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-3-9. Clear Creek at Igo, December



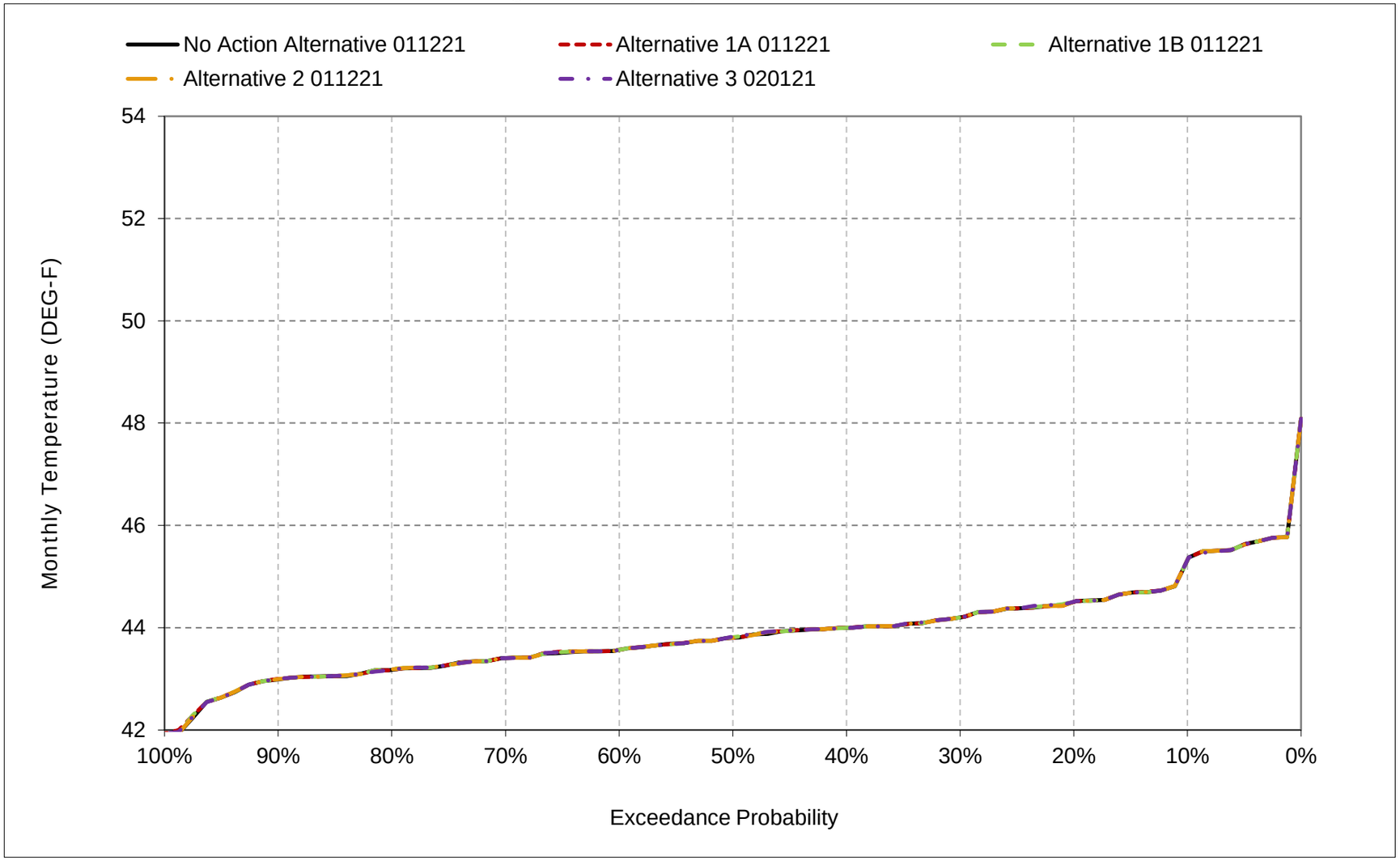
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-3-10. Clear Creek at Igo, January



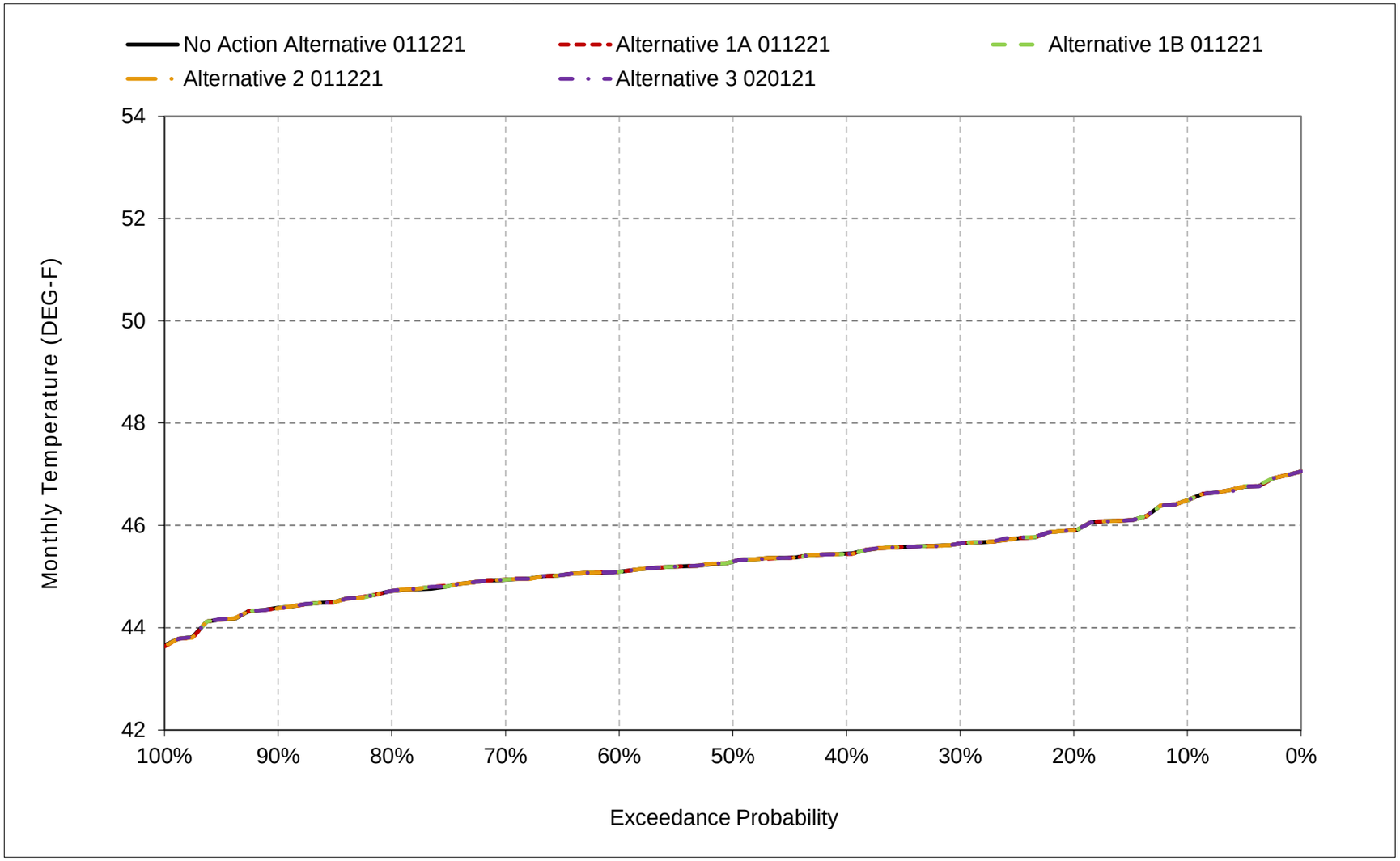
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-3-11. Clear Creek at Igo, February



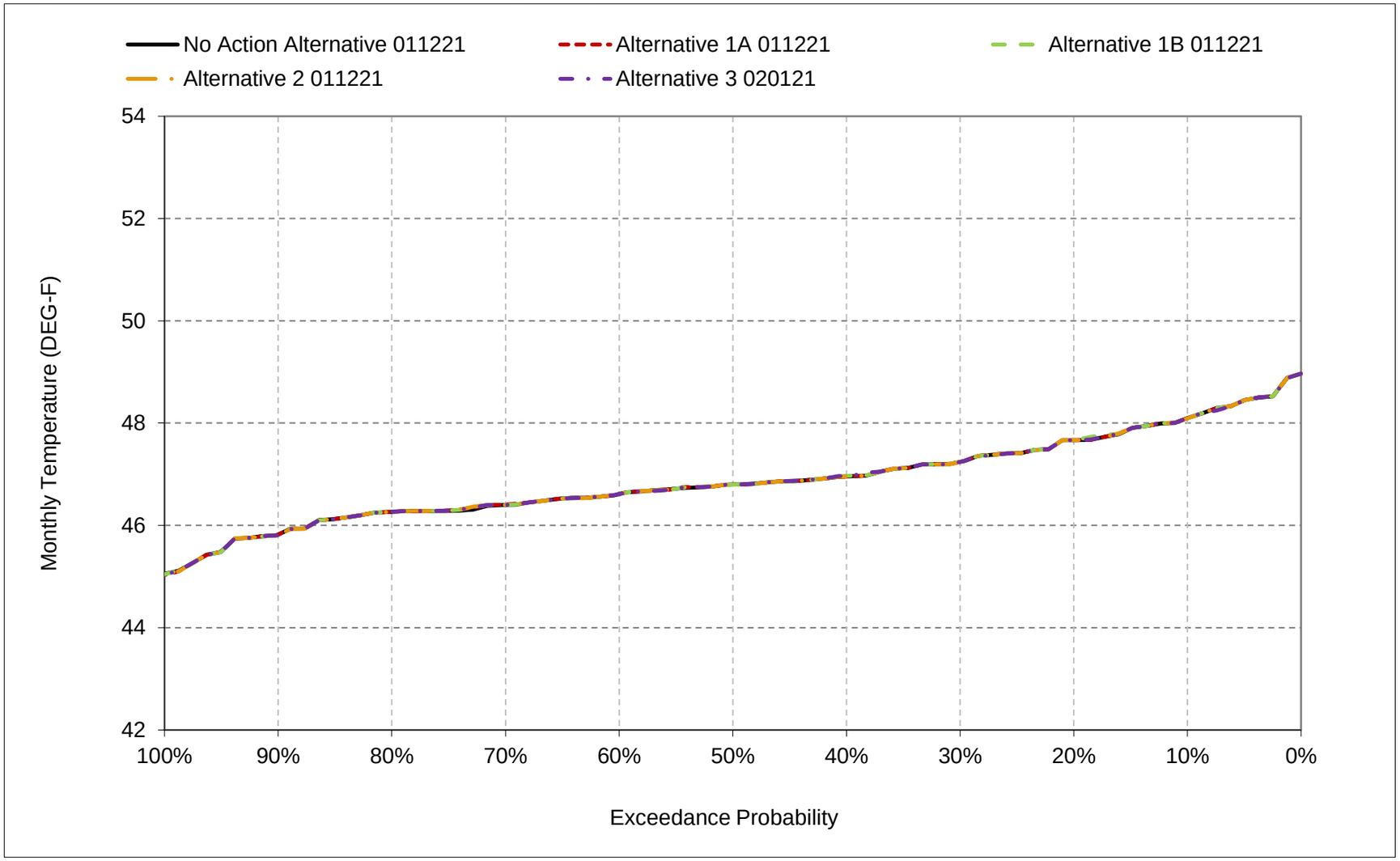
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-3-12. Clear Creek at Igo, March



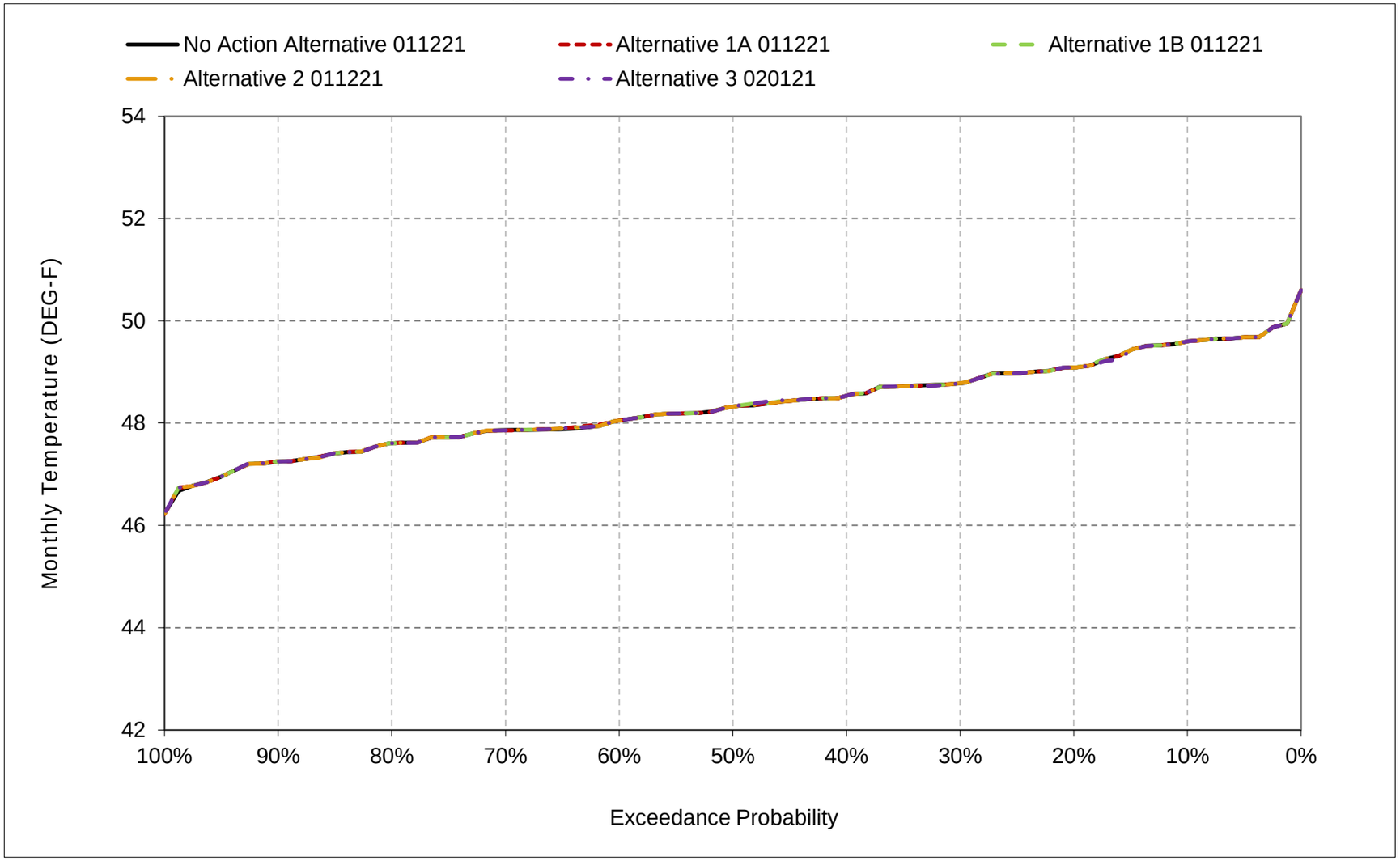
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-3-13. Clear Creek at Igo, April



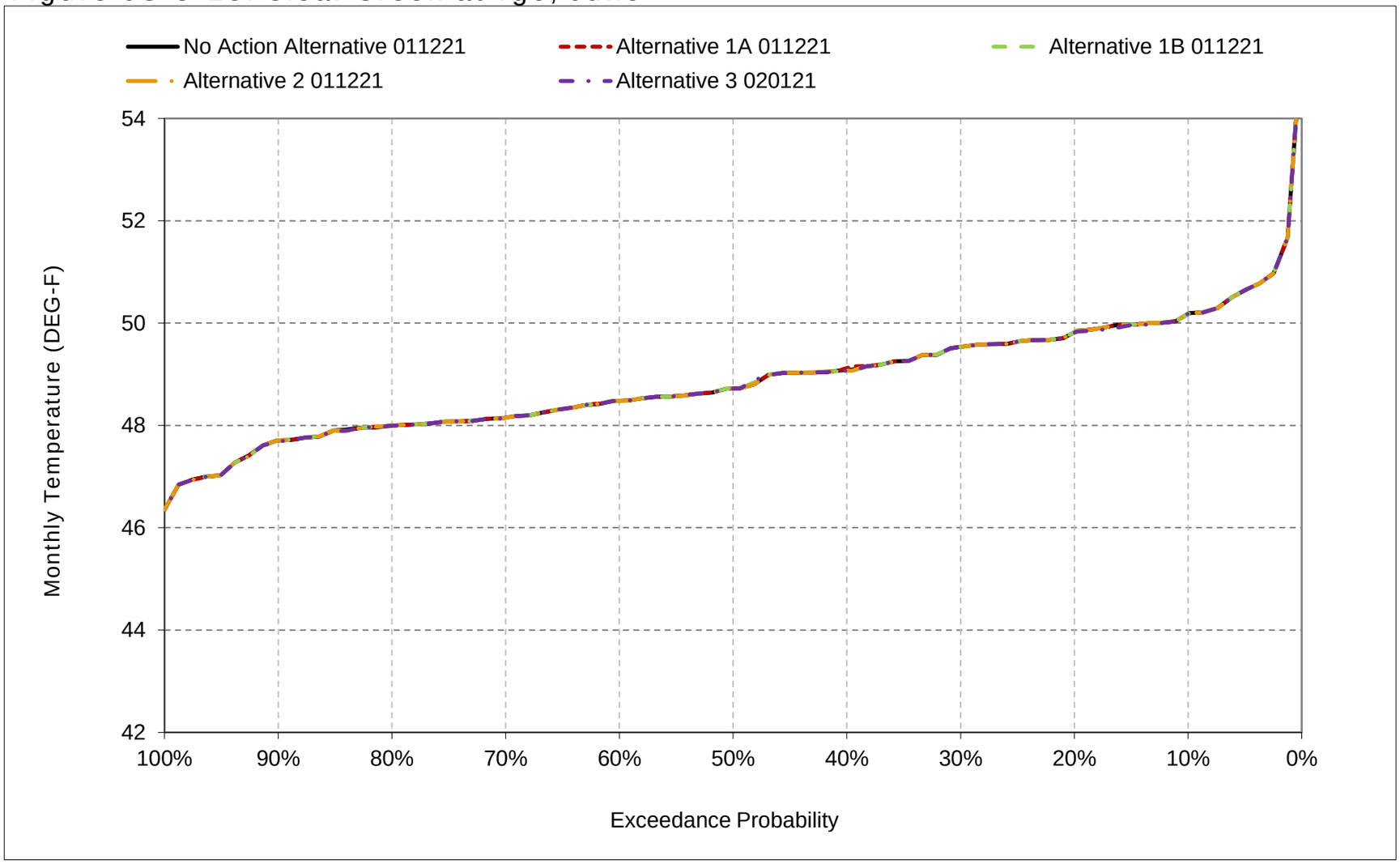
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-3-14. Clear Creek at Igo, May



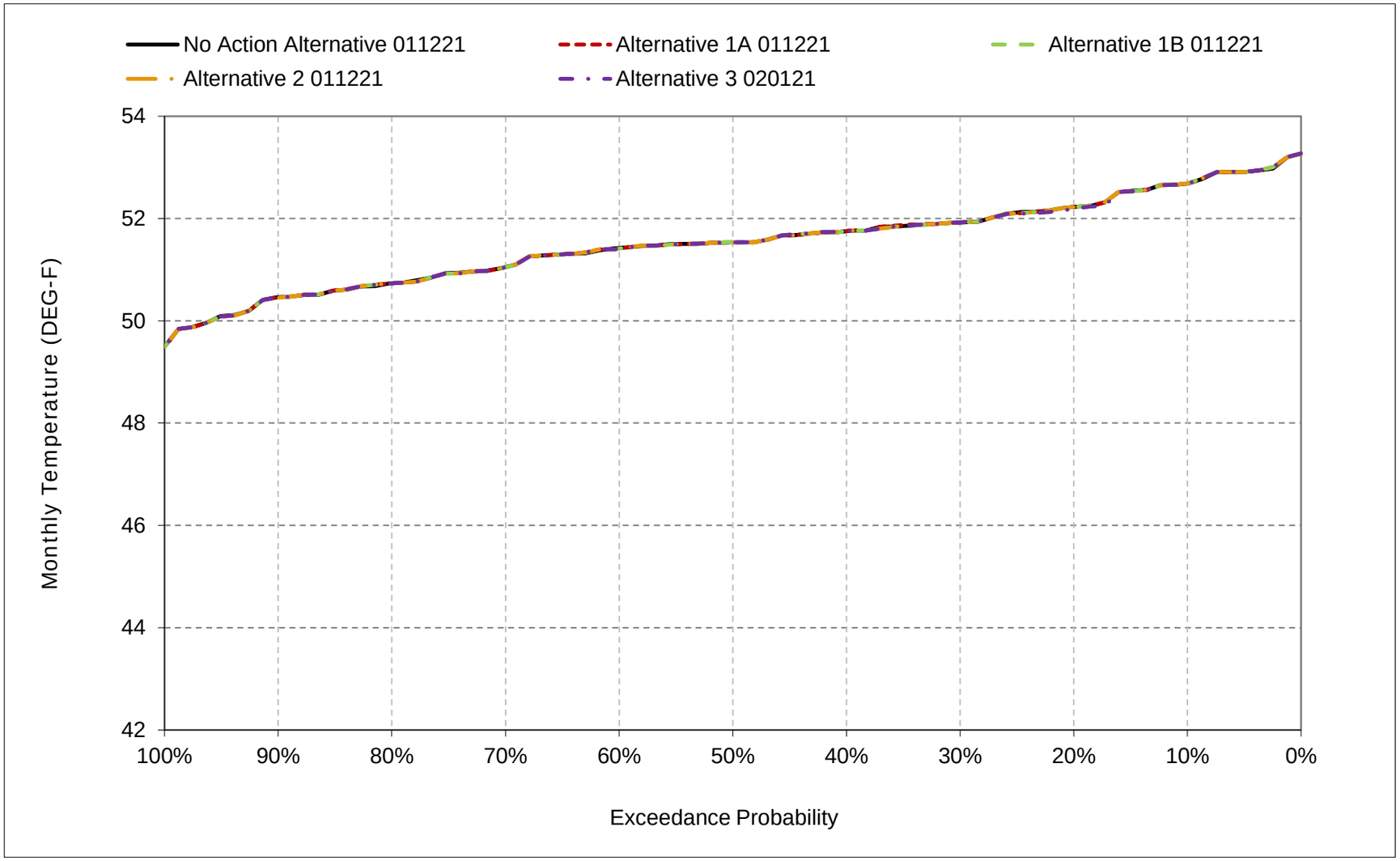
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-3-15. Clear Creek at Igo, June



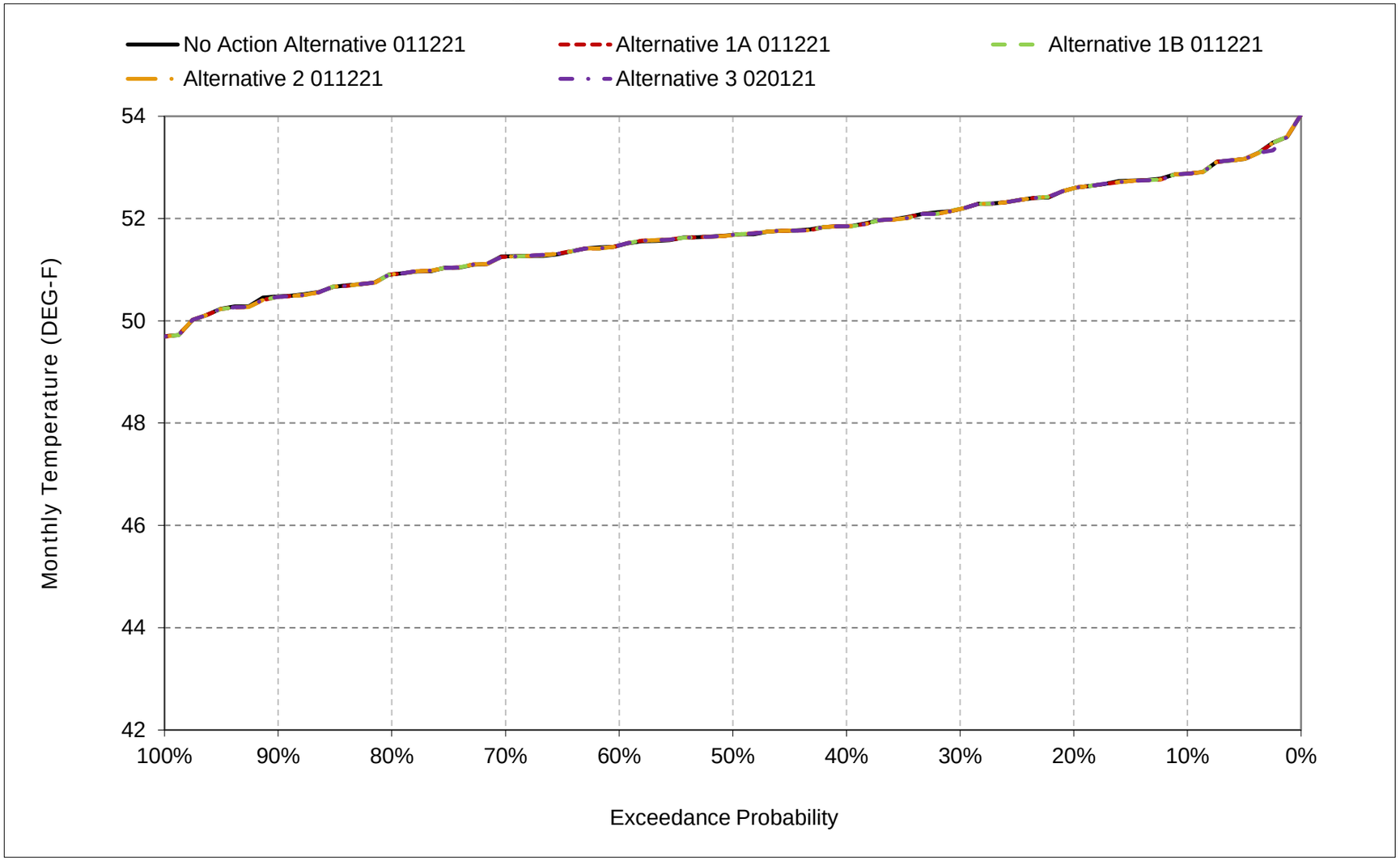
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-3-16. Clear Creek at Igo, July



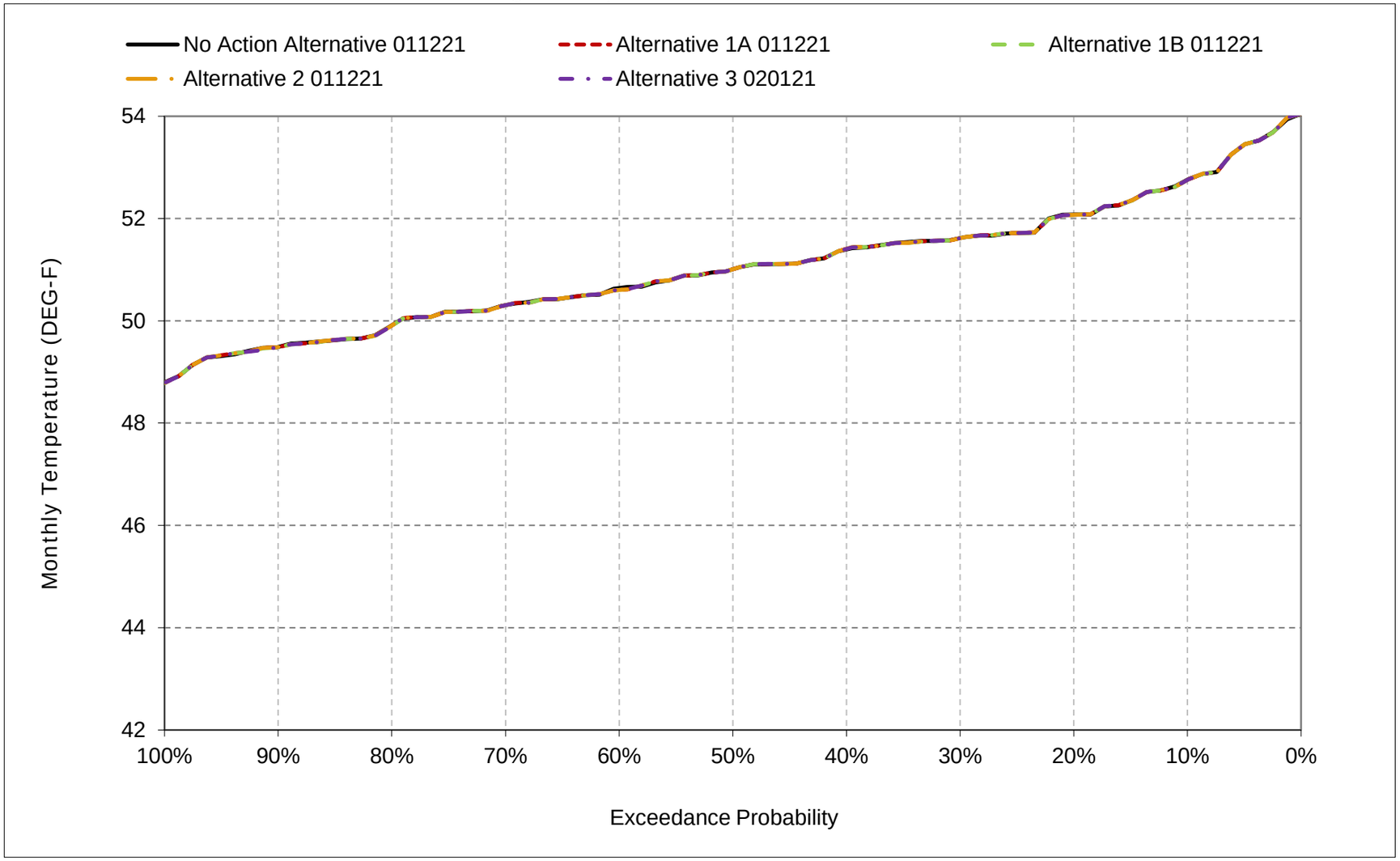
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-3-17. Clear Creek at Igo, August



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

Figure 6C-3-18. Clear Creek at Igo, September



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

Table 6C-4-1a. Clear Creek at Mouth, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	53.0	50.8	47.3	45.6	45.9	47.8	50.1	52.2	52.5	56.5	56.0	54.9
20%	52.3	50.0	46.6	44.8	45.1	47.2	49.4	51.5	51.7	55.9	55.7	54.3
30%	51.5	49.6	46.2	44.5	44.8	46.9	49.0	51.2	51.5	55.7	55.3	54.0
40%	51.2	49.3	46.0	44.3	44.5	46.6	48.7	50.9	51.1	55.4	55.1	53.6
50%	50.9	48.9	45.6	44.0	44.3	46.3	48.4	50.6	50.6	55.3	54.9	53.3
60%	50.3	48.4	45.4	43.8	44.0	46.2	48.2	50.4	50.3	55.1	54.6	53.0
70%	49.8	48.3	45.2	43.5	43.9	46.0	48.0	50.0	50.1	54.8	54.4	52.7
80%	49.7	48.1	45.0	43.3	43.6	45.7	47.8	49.7	49.9	54.5	54.1	52.3
90%	49.4	47.5	44.8	43.0	43.4	45.4	47.4	49.4	49.6	54.1	53.7	51.8
Long Term												
Full Simulation Period[a]	51.0	49.0	45.8	44.1	44.4	46.5	48.6	50.7	50.9	55.3	54.9	53.4
Water Year Types[b,c]												
Wet (32%)	49.8	48.2	45.5	44.0	43.9	46.1	48.0	50.2	50.5	55.0	54.5	52.7
Above Normal (15%)	50.2	48.4	45.5	44.1	44.1	46.3	48.4	50.8	51.4	55.4	54.4	52.6
Below Normal (17%)	51.0	49.1	45.8	43.8	43.9	46.2	48.2	50.2	50.2	55.0	54.7	53.3
Dry (22%)	51.4	49.3	46.0	43.9	44.7	46.6	48.7	50.6	50.7	55.3	55.1	53.7
Critical (15%)	53.5	50.5	46.3	44.8	45.9	47.8	50.1	52.2	52.4	56.0	56.0	55.2

Table 6C-4-1b. Clear Creek at Mouth, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	53.0	50.8	47.3	45.6	45.9	47.8	50.1	52.2	52.5	56.5	56.0	54.9
20%	52.3	50.0	46.6	44.8	45.1	47.2	49.4	51.5	51.7	55.9	55.7	54.3
30%	51.6	49.6	46.2	44.5	44.8	46.9	49.0	51.2	51.5	55.7	55.3	54.0
40%	51.2	49.3	46.0	44.3	44.5	46.6	48.7	50.9	51.1	55.4	55.1	53.6
50%	50.9	48.9	45.6	44.0	44.3	46.3	48.4	50.6	50.6	55.3	54.9	53.3
60%	50.3	48.4	45.4	43.8	44.0	46.2	48.2	50.4	50.3	55.1	54.6	53.0
70%	49.8	48.3	45.2	43.5	43.9	46.0	48.0	50.1	50.1	54.8	54.4	52.7
80%	49.7	48.1	45.0	43.3	43.6	45.7	47.8	49.7	49.9	54.5	54.1	52.3
90%	49.4	47.5	44.8	43.0	43.4	45.4	47.4	49.4	49.6	54.1	53.7	51.8
Long Term												
Full Simulation Period[a]	51.0	49.0	45.8	44.1	44.4	46.5	48.6	50.7	50.9	55.3	54.9	53.4
Water Year Types[b,c]												
Wet (32%)	49.8	48.2	45.5	44.0	43.9	46.1	48.0	50.2	50.5	55.0	54.5	52.7
Above Normal (15%)	50.2	48.4	45.5	44.1	44.1	46.3	48.4	50.8	51.4	55.4	54.4	52.6
Below Normal (17%)	51.0	49.1	45.8	43.8	43.9	46.2	48.2	50.2	50.2	55.0	54.7	53.3
Dry (22%)	51.4	49.3	46.1	43.9	44.7	46.6	48.7	50.6	50.7	55.3	55.1	53.7
Critical (15%)	53.5	50.5	46.3	44.8	45.9	47.8	50.1	52.2	52.4	56.0	56.0	55.2

Table 6C-4-1c. Clear Creek at Mouth, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-4-2a. Clear Creek at Mouth, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	53.0	50.8	47.3	45.6	45.9	47.8	50.1	52.2	52.5	56.5	56.0	54.9
20%	52.3	50.0	46.6	44.8	45.1	47.2	49.4	51.5	51.7	55.9	55.7	54.3
30%	51.5	49.6	46.2	44.5	44.8	46.9	49.0	51.2	51.5	55.7	55.3	54.0
40%	51.2	49.3	46.0	44.3	44.5	46.6	48.7	50.9	51.1	55.4	55.1	53.6
50%	50.9	48.9	45.6	44.0	44.3	46.3	48.4	50.6	50.6	55.3	54.9	53.3
60%	50.3	48.4	45.4	43.8	44.0	46.2	48.2	50.4	50.3	55.1	54.6	53.0
70%	49.8	48.3	45.2	43.5	43.9	46.0	48.0	50.0	50.1	54.8	54.4	52.7
80%	49.7	48.1	45.0	43.3	43.6	45.7	47.8	49.7	49.9	54.5	54.1	52.3
90%	49.4	47.5	44.8	43.0	43.4	45.4	47.4	49.4	49.6	54.1	53.7	51.8
Long Term												
Full Simulation Period[a]	51.0	49.0	45.8	44.1	44.4	46.5	48.6	50.7	50.9	55.3	54.9	53.4
Water Year Types[b,c]												
Wet (32%)	49.8	48.2	45.5	44.0	43.9	46.1	48.0	50.2	50.5	55.0	54.5	52.7
Above Normal (15%)	50.2	48.4	45.5	44.1	44.1	46.3	48.4	50.8	51.4	55.4	54.4	52.6
Below Normal (17%)	51.0	49.1	45.8	43.8	43.9	46.2	48.2	50.2	50.2	55.0	54.7	53.3
Dry (22%)	51.4	49.3	46.0	43.9	44.7	46.6	48.7	50.6	50.7	55.3	55.1	53.7
Critical (15%)	53.5	50.5	46.3	44.8	45.9	47.8	50.1	52.2	52.4	56.0	56.0	55.2

Table 6C-4-2b. Clear Creek at Mouth, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	53.0	50.8	47.3	45.6	45.9	47.8	50.1	52.2	52.5	56.5	56.0	54.9
20%	52.3	50.0	46.6	44.8	45.1	47.2	49.4	51.5	51.7	55.9	55.7	54.3
30%	51.6	49.6	46.2	44.5	44.8	46.9	49.0	51.2	51.5	55.7	55.3	54.0
40%	51.2	49.3	46.0	44.3	44.5	46.6	48.7	50.9	51.0	55.4	55.1	53.6
50%	50.9	48.9	45.6	44.0	44.3	46.3	48.4	50.6	50.6	55.3	54.9	53.3
60%	50.3	48.4	45.4	43.8	44.0	46.2	48.2	50.4	50.3	55.1	54.6	53.0
70%	49.8	48.3	45.2	43.5	43.9	46.0	48.0	50.1	50.1	54.8	54.4	52.7
80%	49.6	48.1	45.0	43.3	43.6	45.7	47.8	49.7	49.9	54.5	54.1	52.3
90%	49.4	47.5	44.9	43.0	43.4	45.4	47.4	49.4	49.6	54.1	53.7	51.8
Long Term												
Full Simulation Period[a]	51.0	49.0	45.8	44.1	44.4	46.5	48.6	50.7	50.9	55.3	54.9	53.4
Water Year Types[b,c]												
Wet (32%)	49.8	48.2	45.5	44.0	43.9	46.1	48.0	50.2	50.5	55.0	54.5	52.7
Above Normal (15%)	50.2	48.4	45.5	44.1	44.1	46.3	48.4	50.8	51.4	55.4	54.4	52.6
Below Normal (17%)	51.0	49.1	45.8	43.8	43.9	46.2	48.2	50.2	50.2	55.0	54.7	53.3
Dry (22%)	51.4	49.3	46.1	43.9	44.7	46.6	48.7	50.6	50.7	55.3	55.1	53.7
Critical (15%)	53.5	50.5	46.3	44.8	45.9	47.8	50.1	52.2	52.4	56.0	56.0	55.2

Table 6C-4-2c. Clear Creek at Mouth, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-4-3a. Clear Creek at Mouth, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	53.0	50.8	47.3	45.6	45.9	47.8	50.1	52.2	52.5	56.5	56.0	54.9
20%	52.3	50.0	46.6	44.8	45.1	47.2	49.4	51.5	51.7	55.9	55.7	54.3
30%	51.5	49.6	46.2	44.5	44.8	46.9	49.0	51.2	51.5	55.7	55.3	54.0
40%	51.2	49.3	46.0	44.3	44.5	46.6	48.7	50.9	51.1	55.4	55.1	53.6
50%	50.9	48.9	45.6	44.0	44.3	46.3	48.4	50.6	50.6	55.3	54.9	53.3
60%	50.3	48.4	45.4	43.8	44.0	46.2	48.2	50.4	50.3	55.1	54.6	53.0
70%	49.8	48.3	45.2	43.5	43.9	46.0	48.0	50.0	50.1	54.8	54.4	52.7
80%	49.7	48.1	45.0	43.3	43.6	45.7	47.8	49.7	49.9	54.5	54.1	52.3
90%	49.4	47.5	44.8	43.0	43.4	45.4	47.4	49.4	49.6	54.1	53.7	51.8
Long Term												
Full Simulation Period[a]	51.0	49.0	45.8	44.1	44.4	46.5	48.6	50.7	50.9	55.3	54.9	53.4
Water Year Types[b,c]												
Wet (32%)	49.8	48.2	45.5	44.0	43.9	46.1	48.0	50.2	50.5	55.0	54.5	52.7
Above Normal (15%)	50.2	48.4	45.5	44.1	44.1	46.3	48.4	50.8	51.4	55.4	54.4	52.6
Below Normal (17%)	51.0	49.1	45.8	43.8	43.9	46.2	48.2	50.2	50.2	55.0	54.7	53.3
Dry (22%)	51.4	49.3	46.0	43.9	44.7	46.6	48.7	50.6	50.7	55.3	55.1	53.7
Critical (15%)	53.5	50.5	46.3	44.8	45.9	47.8	50.1	52.2	52.4	56.0	56.0	55.2

Table 6C-4-3b. Clear Creek at Mouth, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	53.0	50.8	47.3	45.6	45.9	47.8	50.1	52.2	52.5	56.5	56.0	54.9
20%	52.3	50.0	46.6	44.8	45.1	47.2	49.4	51.5	51.7	55.9	55.7	54.3
30%	51.6	49.6	46.2	44.5	44.8	46.9	49.0	51.2	51.5	55.7	55.3	54.0
40%	51.2	49.3	46.0	44.3	44.5	46.6	48.7	50.9	51.1	55.4	55.1	53.6
50%	50.9	48.9	45.6	44.0	44.3	46.3	48.4	50.6	50.6	55.3	54.9	53.3
60%	50.3	48.4	45.4	43.8	44.0	46.2	48.2	50.4	50.3	55.1	54.6	53.0
70%	49.8	48.3	45.2	43.5	43.9	46.0	48.0	50.1	50.1	54.8	54.4	52.7
80%	49.7	48.1	45.0	43.3	43.6	45.7	47.8	49.7	49.9	54.5	54.1	52.3
90%	49.4	47.5	44.8	43.0	43.4	45.4	47.4	49.4	49.6	54.1	53.7	51.8
Long Term												
Full Simulation Period[a]	51.0	49.0	45.8	44.1	44.4	46.5	48.6	50.7	50.9	55.3	54.9	53.4
Water Year Types[b,c]												
Wet (32%)	49.8	48.2	45.5	44.0	43.9	46.1	48.0	50.2	50.5	55.0	54.5	52.7
Above Normal (15%)	50.2	48.4	45.5	44.1	44.1	46.3	48.4	50.8	51.4	55.4	54.4	52.6
Below Normal (17%)	51.0	49.1	45.8	43.8	43.9	46.2	48.2	50.2	50.2	55.0	54.7	53.3
Dry (22%)	51.4	49.3	46.1	43.9	44.7	46.6	48.7	50.6	50.7	55.3	55.1	53.7
Critical (15%)	53.5	50.5	46.3	44.8	45.9	47.8	50.1	52.2	52.4	56.0	56.0	55.2

Table 6C-4-3c. Clear Creek at Mouth, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-4-4a. Clear Creek at Mouth, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	53.0	50.8	47.3	45.6	45.9	47.8	50.1	52.2	52.5	56.5	56.0	54.9
20%	52.3	50.0	46.6	44.8	45.1	47.2	49.4	51.5	51.7	55.9	55.7	54.3
30%	51.5	49.6	46.2	44.5	44.8	46.9	49.0	51.2	51.5	55.7	55.3	54.0
40%	51.2	49.3	46.0	44.3	44.5	46.6	48.7	50.9	51.1	55.4	55.1	53.6
50%	50.9	48.9	45.6	44.0	44.3	46.3	48.4	50.6	50.6	55.3	54.9	53.3
60%	50.3	48.4	45.4	43.8	44.0	46.2	48.2	50.4	50.3	55.1	54.6	53.0
70%	49.8	48.3	45.2	43.5	43.9	46.0	48.0	50.0	50.1	54.8	54.4	52.7
80%	49.7	48.1	45.0	43.3	43.6	45.7	47.8	49.7	49.9	54.5	54.1	52.3
90%	49.4	47.5	44.8	43.0	43.4	45.4	47.4	49.4	49.6	54.1	53.7	51.8
Long Term												
Full Simulation Period[a]	51.0	49.0	45.8	44.1	44.4	46.5	48.6	50.7	50.9	55.3	54.9	53.4
Water Year Types[b,c]												
Wet (32%)	49.8	48.2	45.5	44.0	43.9	46.1	48.0	50.2	50.5	55.0	54.5	52.7
Above Normal (15%)	50.2	48.4	45.5	44.1	44.1	46.3	48.4	50.8	51.4	55.4	54.4	52.6
Below Normal (17%)	51.0	49.1	45.8	43.8	43.9	46.2	48.2	50.2	50.2	55.0	54.7	53.3
Dry (22%)	51.4	49.3	46.0	43.9	44.7	46.6	48.7	50.6	50.7	55.3	55.1	53.7
Critical (15%)	53.5	50.5	46.3	44.8	45.9	47.8	50.1	52.2	52.4	56.0	56.0	55.2

Table 6C-4-4b. Clear Creek at Mouth, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	53.0	50.8	47.3	45.6	45.9	47.8	50.1	52.2	52.5	56.5	56.0	54.9
20%	52.3	50.0	46.6	44.8	45.1	47.2	49.4	51.5	51.7	55.9	55.7	54.3
30%	51.6	49.6	46.2	44.5	44.8	46.9	49.0	51.2	51.5	55.7	55.3	54.0
40%	51.2	49.3	46.0	44.3	44.5	46.6	48.7	50.9	51.1	55.4	55.1	53.6
50%	50.9	48.9	45.6	44.0	44.3	46.3	48.4	50.6	50.6	55.3	54.9	53.3
60%	50.3	48.4	45.4	43.8	44.0	46.2	48.2	50.4	50.3	55.1	54.6	53.0
70%	49.8	48.3	45.2	43.5	43.9	46.0	48.0	50.1	50.1	54.8	54.4	52.7
80%	49.6	48.1	45.0	43.3	43.6	45.7	47.8	49.7	49.9	54.5	54.1	52.3
90%	49.4	47.5	44.8	43.0	43.4	45.4	47.4	49.4	49.6	54.1	53.7	51.8
Long Term												
Full Simulation Period[a]	51.0	49.0	45.8	44.1	44.4	46.5	48.6	50.7	50.9	55.3	54.9	53.4
Water Year Types[b,c]												
Wet (32%)	49.8	48.2	45.5	44.0	43.9	46.1	48.0	50.2	50.5	55.0	54.5	52.7
Above Normal (15%)	50.2	48.4	45.5	44.1	44.1	46.3	48.4	50.8	51.4	55.4	54.4	52.6
Below Normal (17%)	51.0	49.1	45.8	43.8	43.9	46.2	48.2	50.2	50.2	55.0	54.7	53.3
Dry (22%)	51.4	49.3	46.1	43.9	44.7	46.6	48.7	50.6	50.7	55.3	55.1	53.7
Critical (15%)	53.5	50.5	46.3	44.8	45.9	47.8	50.1	52.2	52.4	55.9	56.0	55.2

Table 6C-4-4c. Clear Creek at Mouth, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

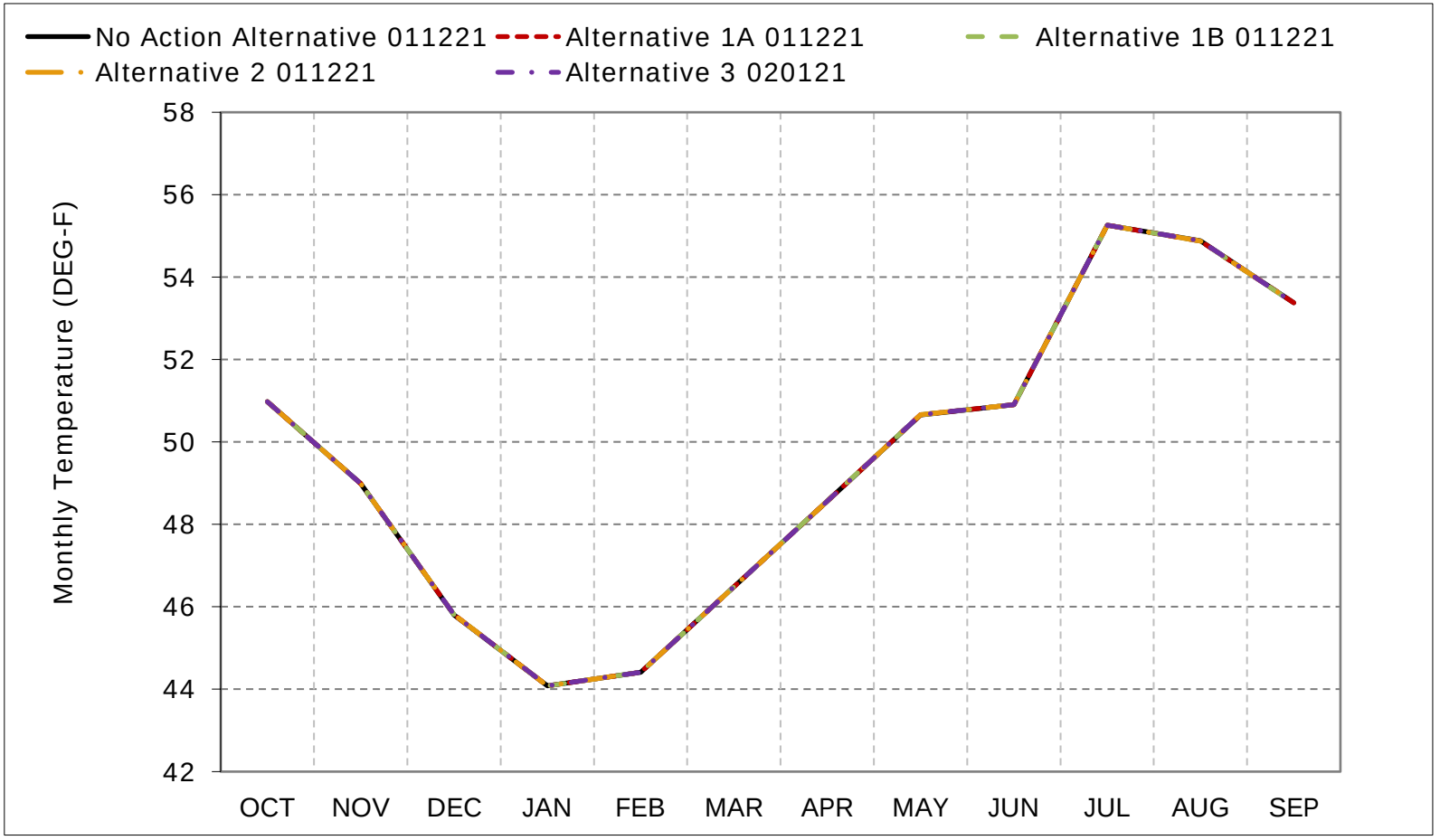
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

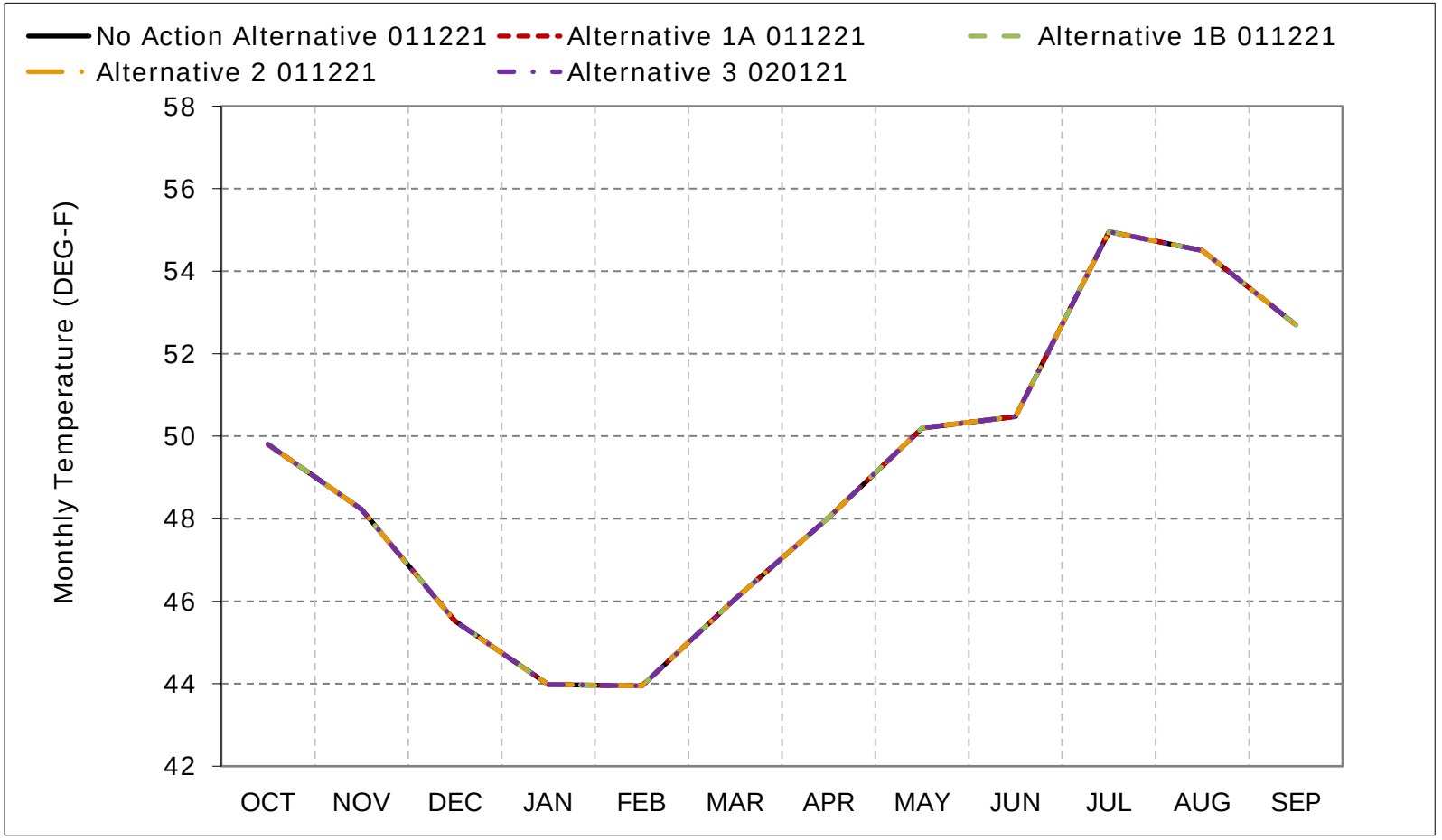
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-4-1. Clear Creek at Mouth, Long-Term Average Temperature



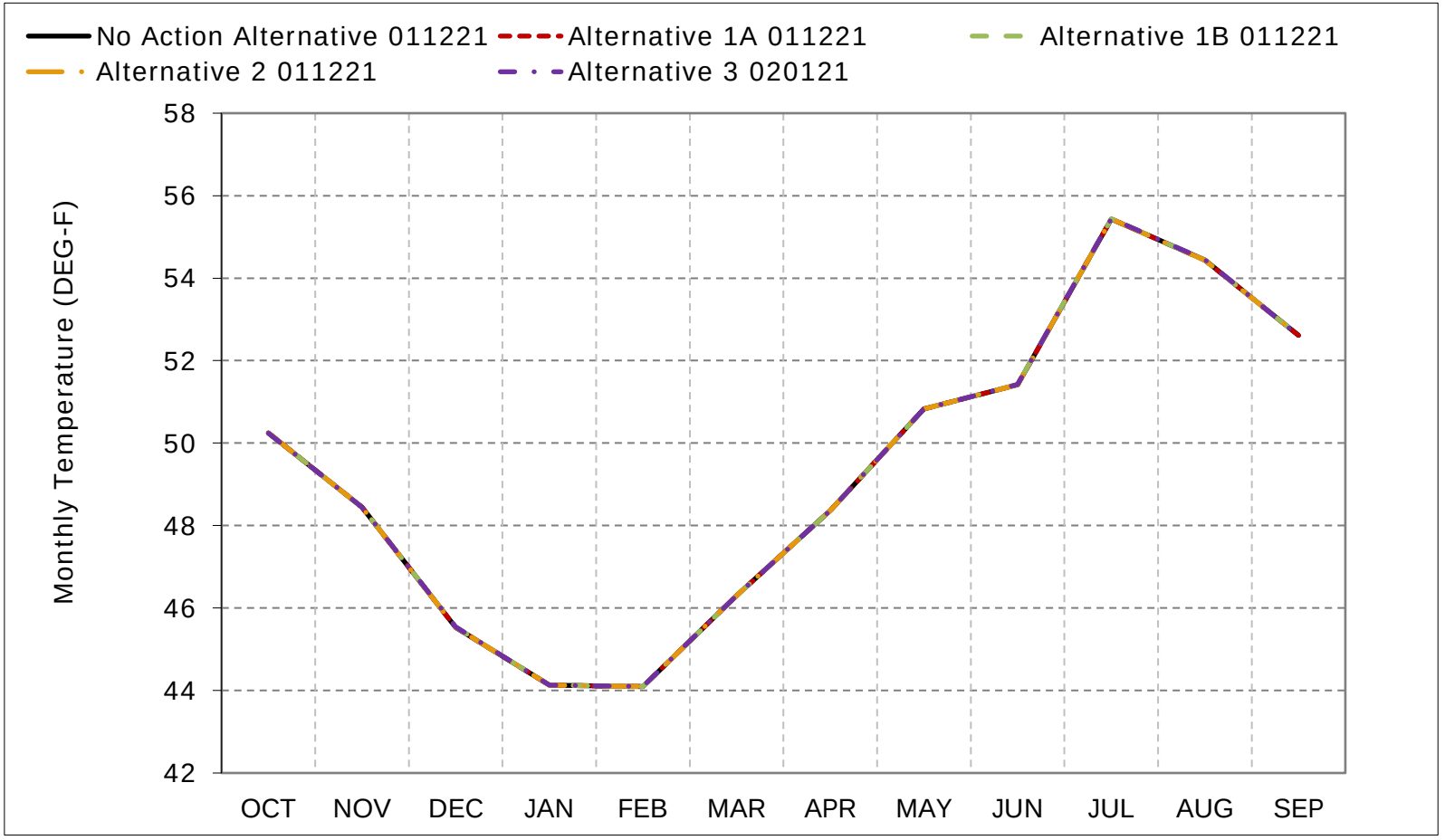
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-4-2. Clear Creek at Mouth, Wet Year Average Temperature



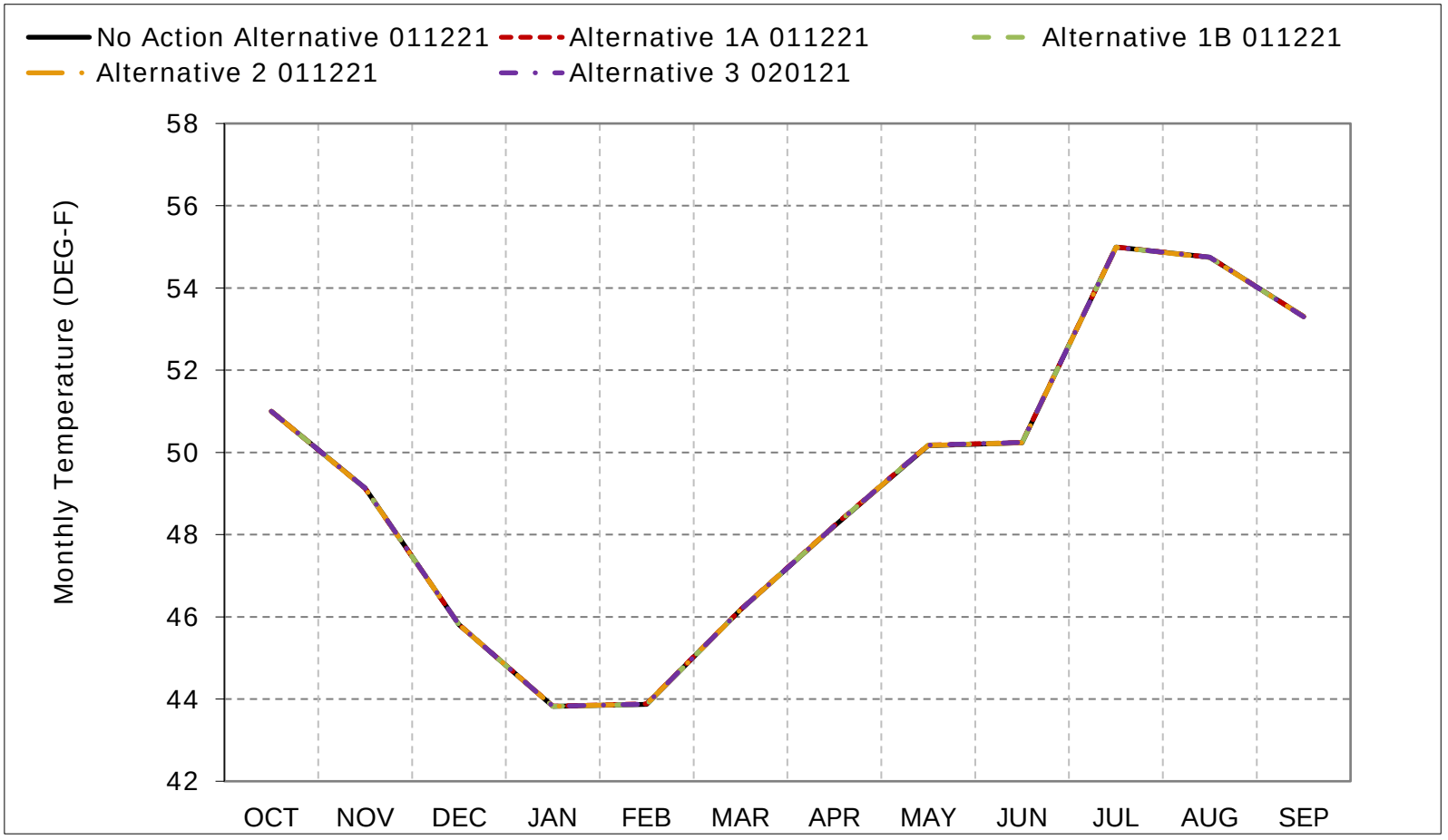
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-4-3. Clear Creek at Mouth, Above Normal Year Average Temperature



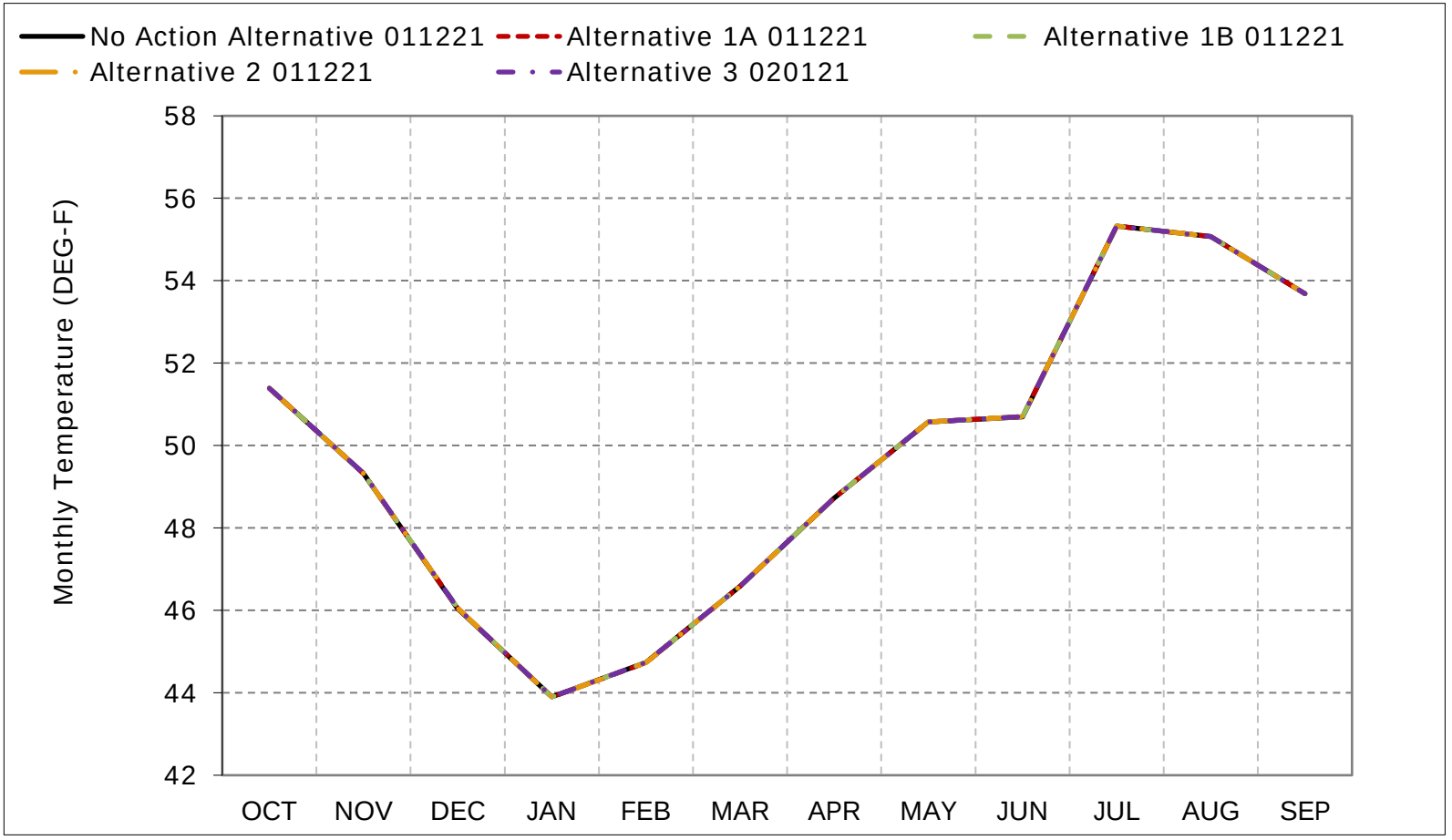
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-4-4. Clear Creek at Mouth, Below Normal Year Average Temperature



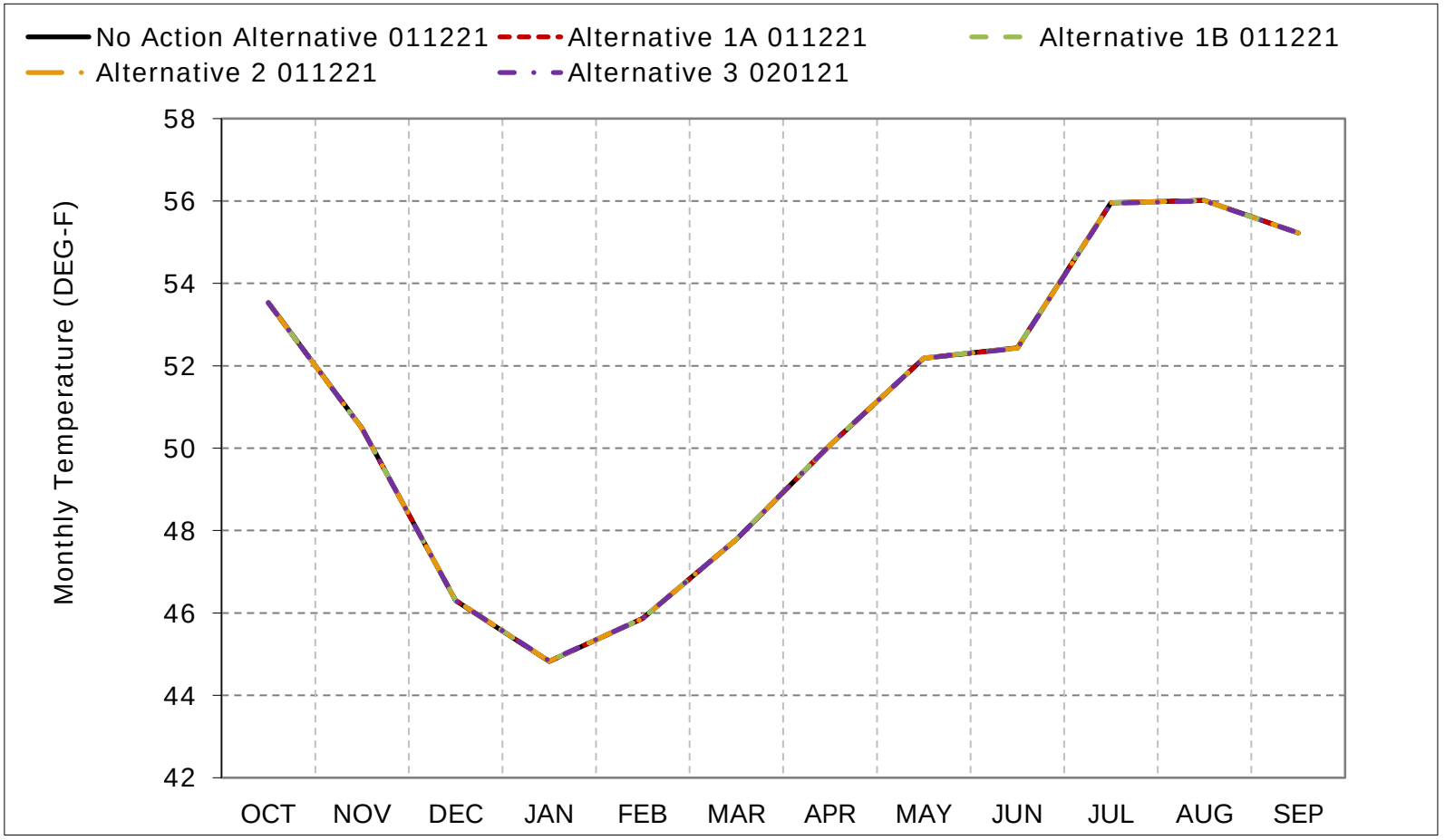
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-4-5. Clear Creek at Mouth, Dry Year Average Temperature



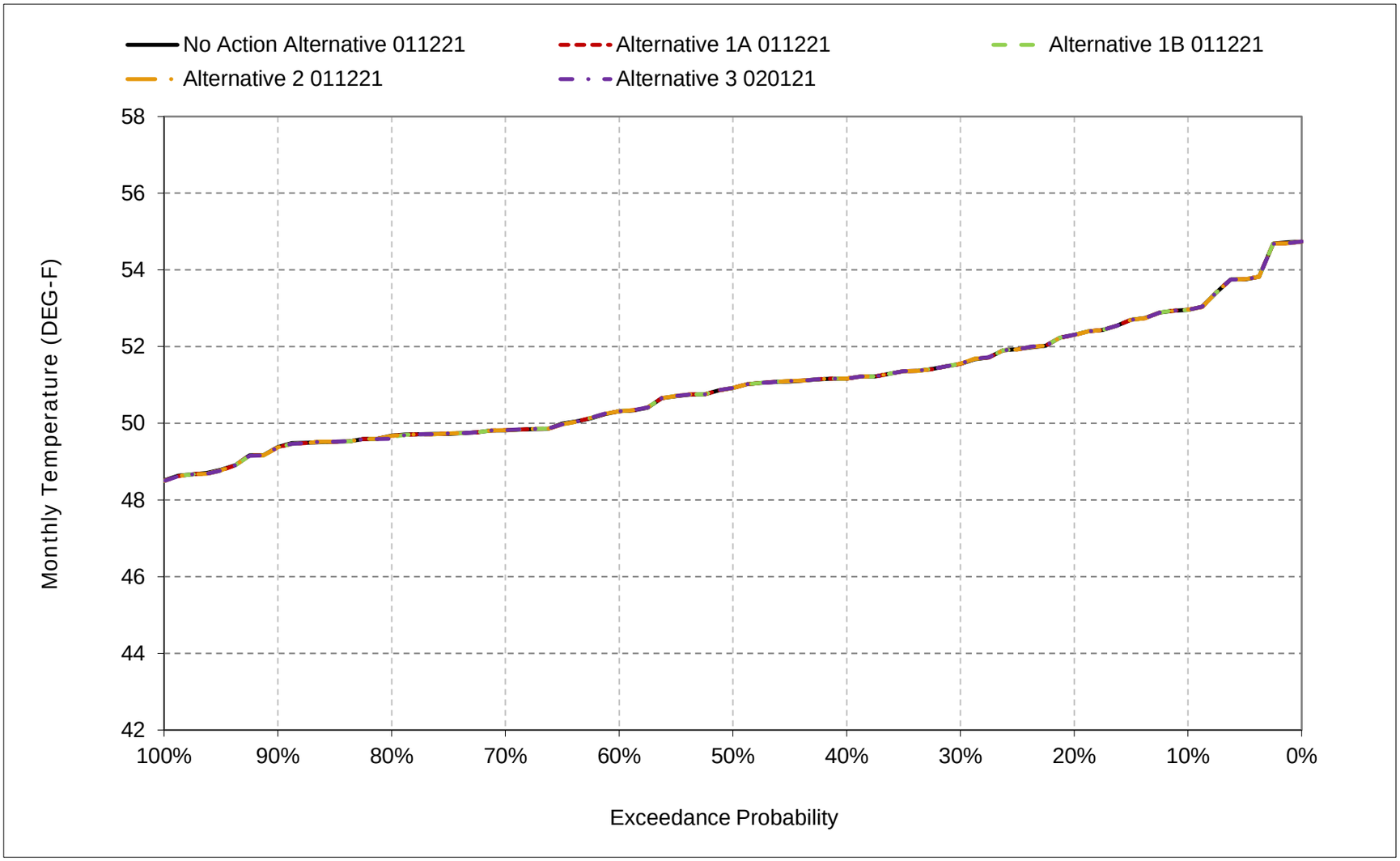
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-4-6. Clear Creek at Mouth, Critical Year Average Temperature



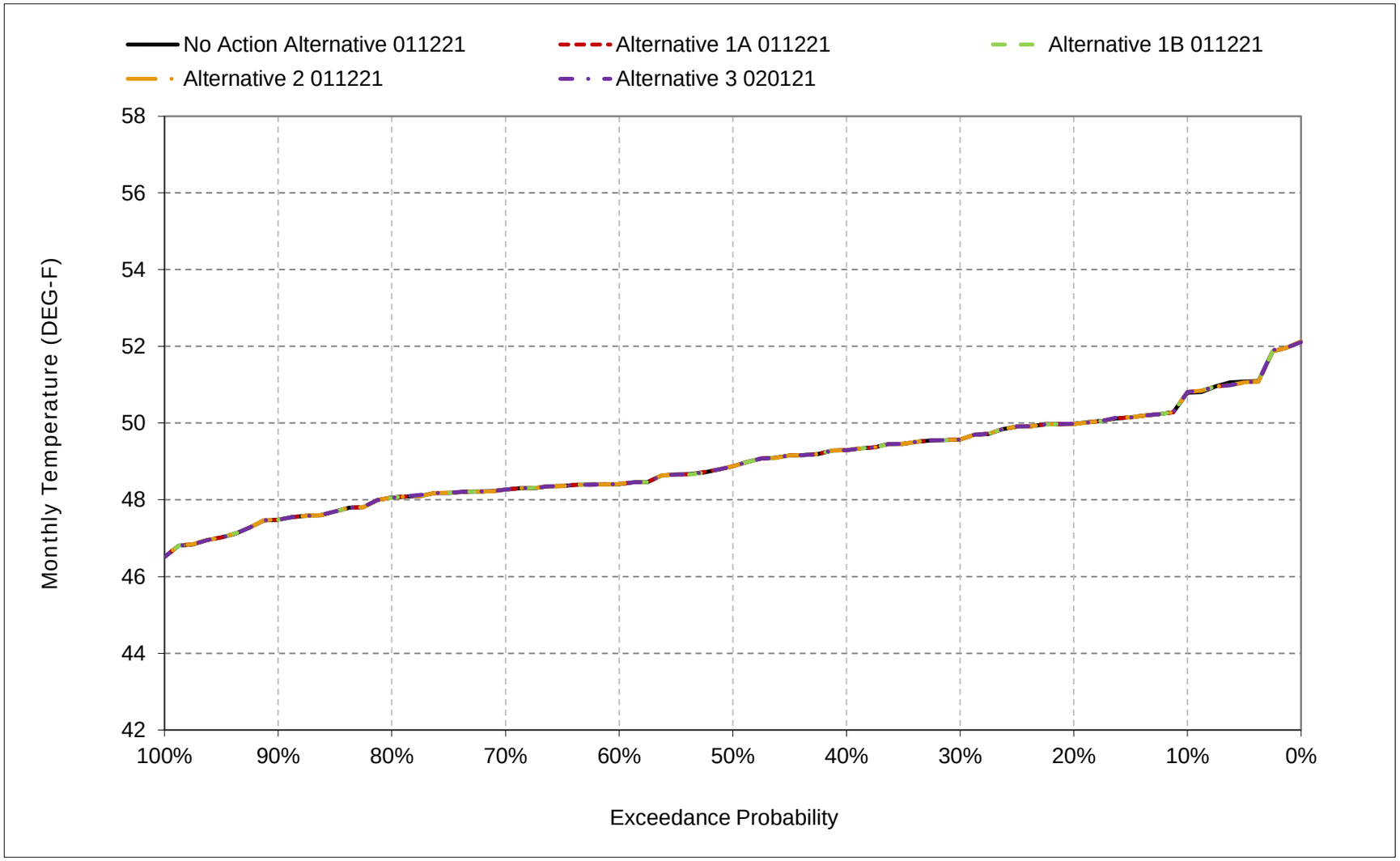
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-4-7. Clear Creek at Mouth, October



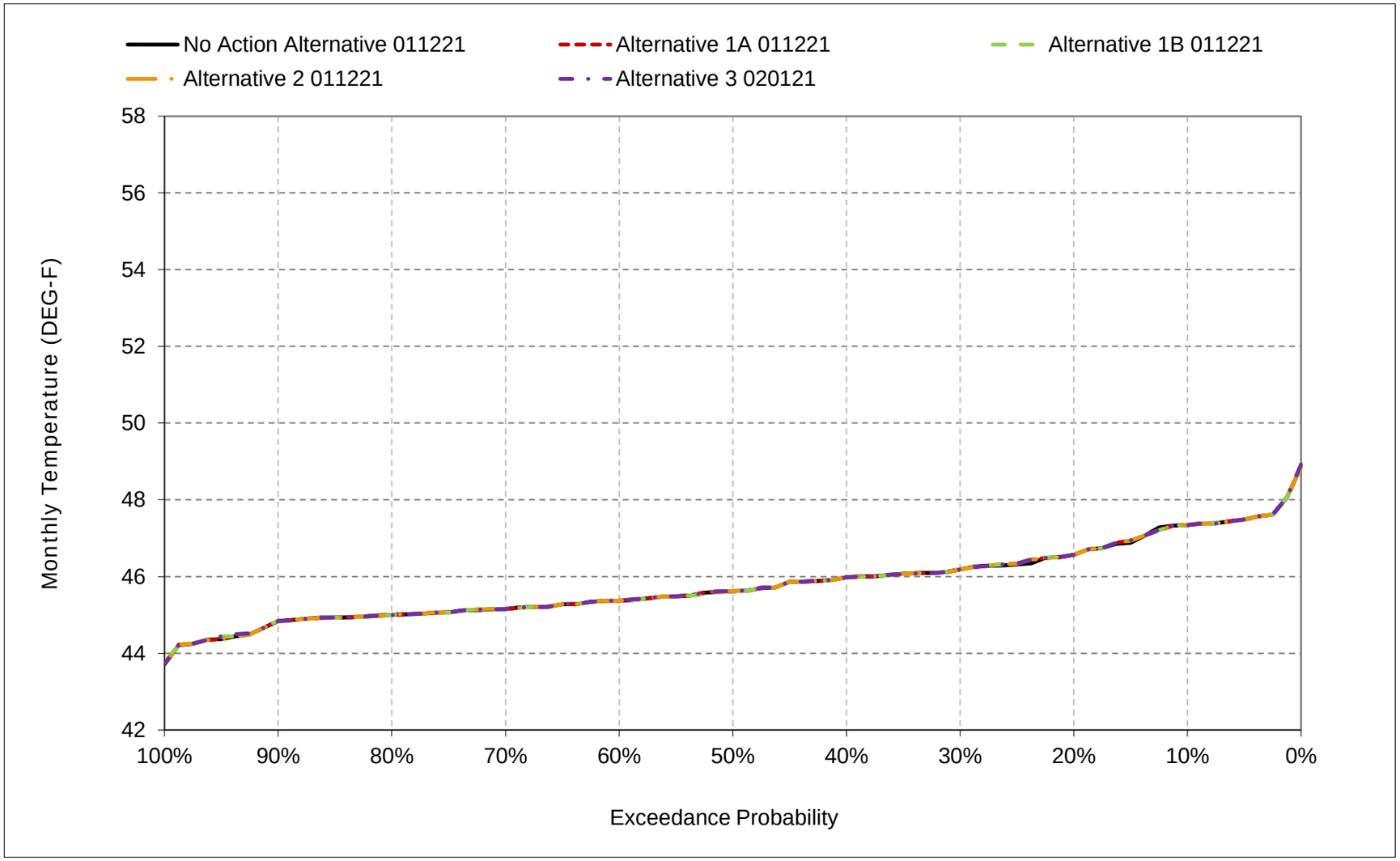
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-4-8. Clear Creek at Mouth, November



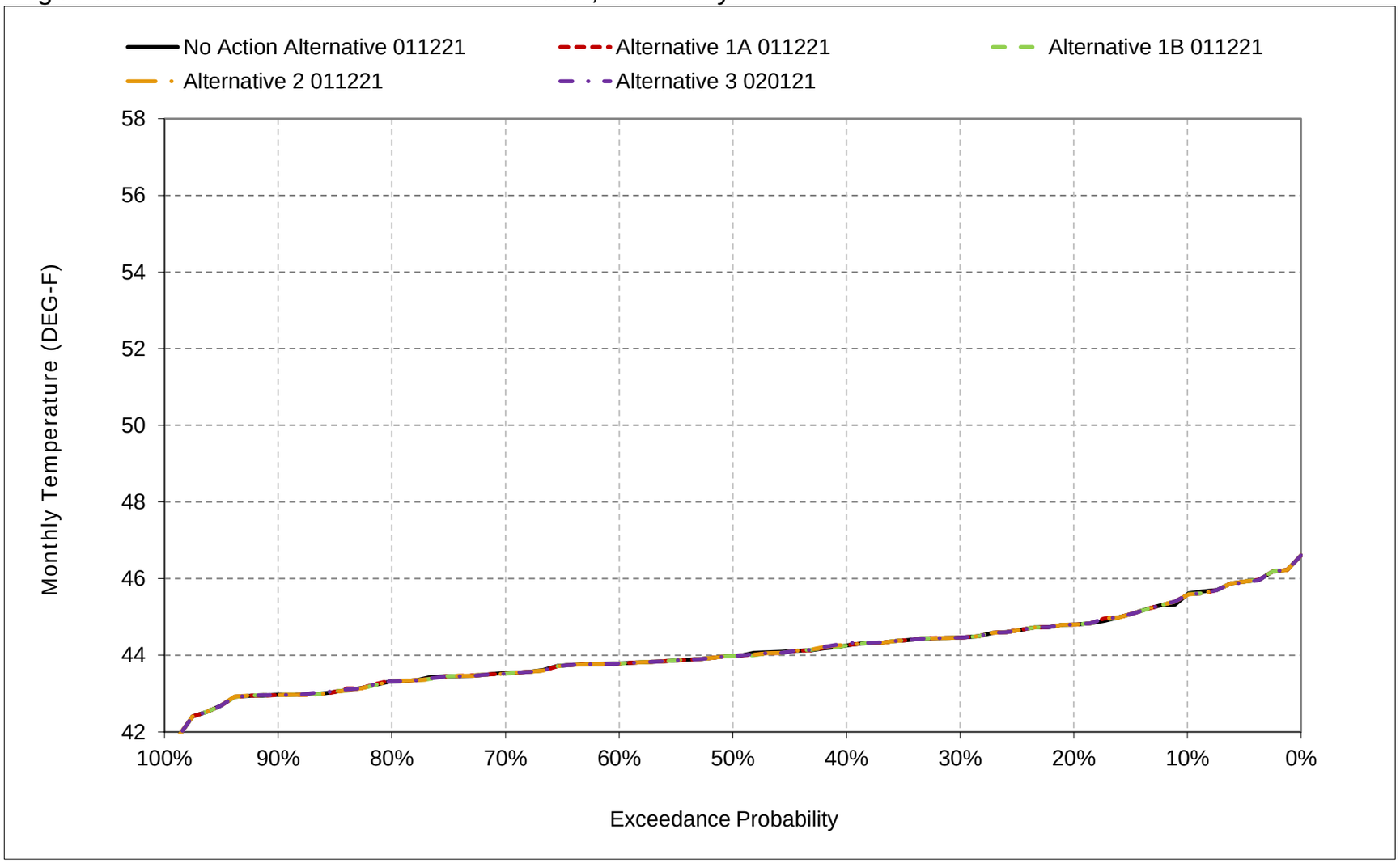
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-4-9. Clear Creek at Mouth, December



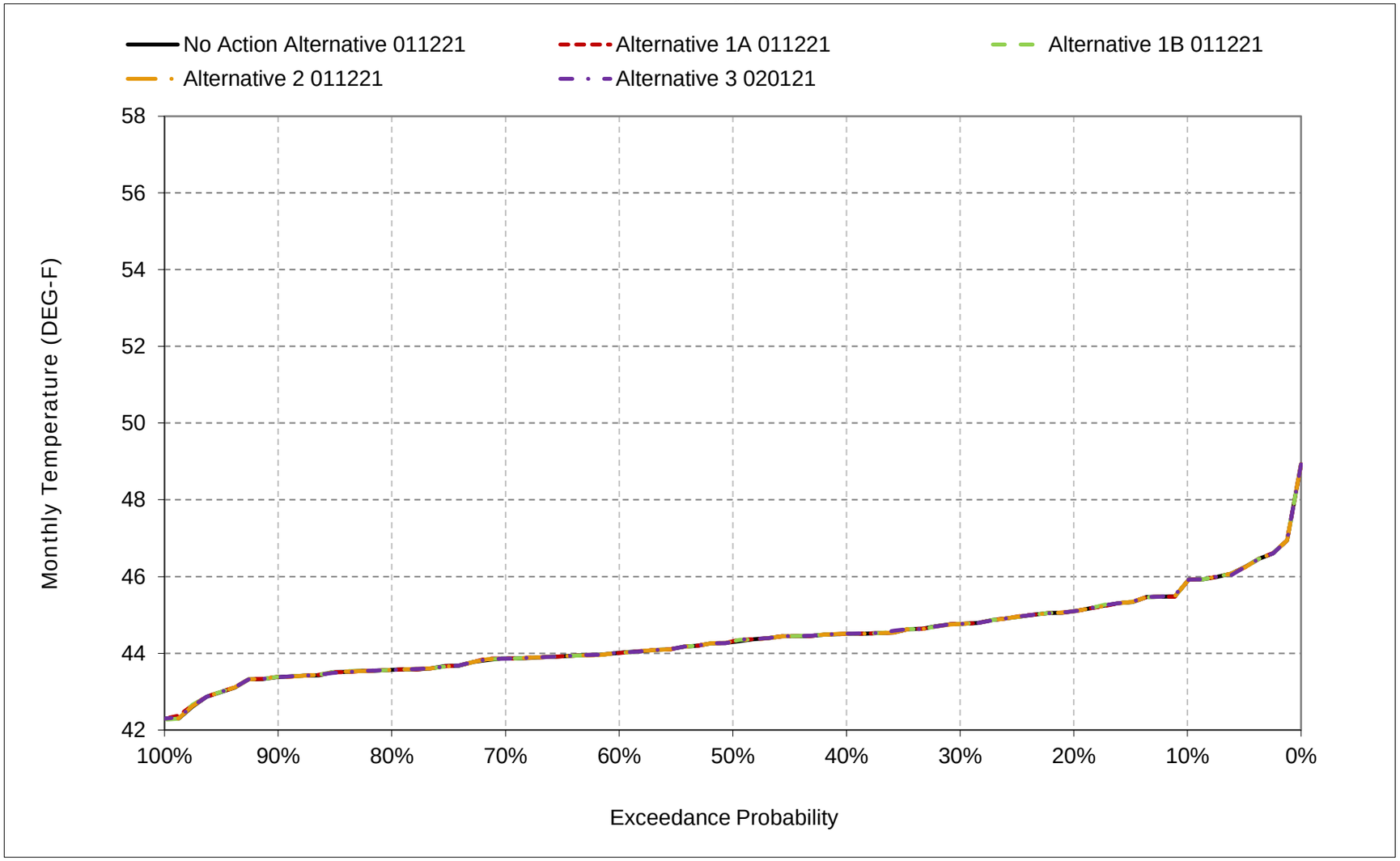
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-4-10. Clear Creek at Mouth, January



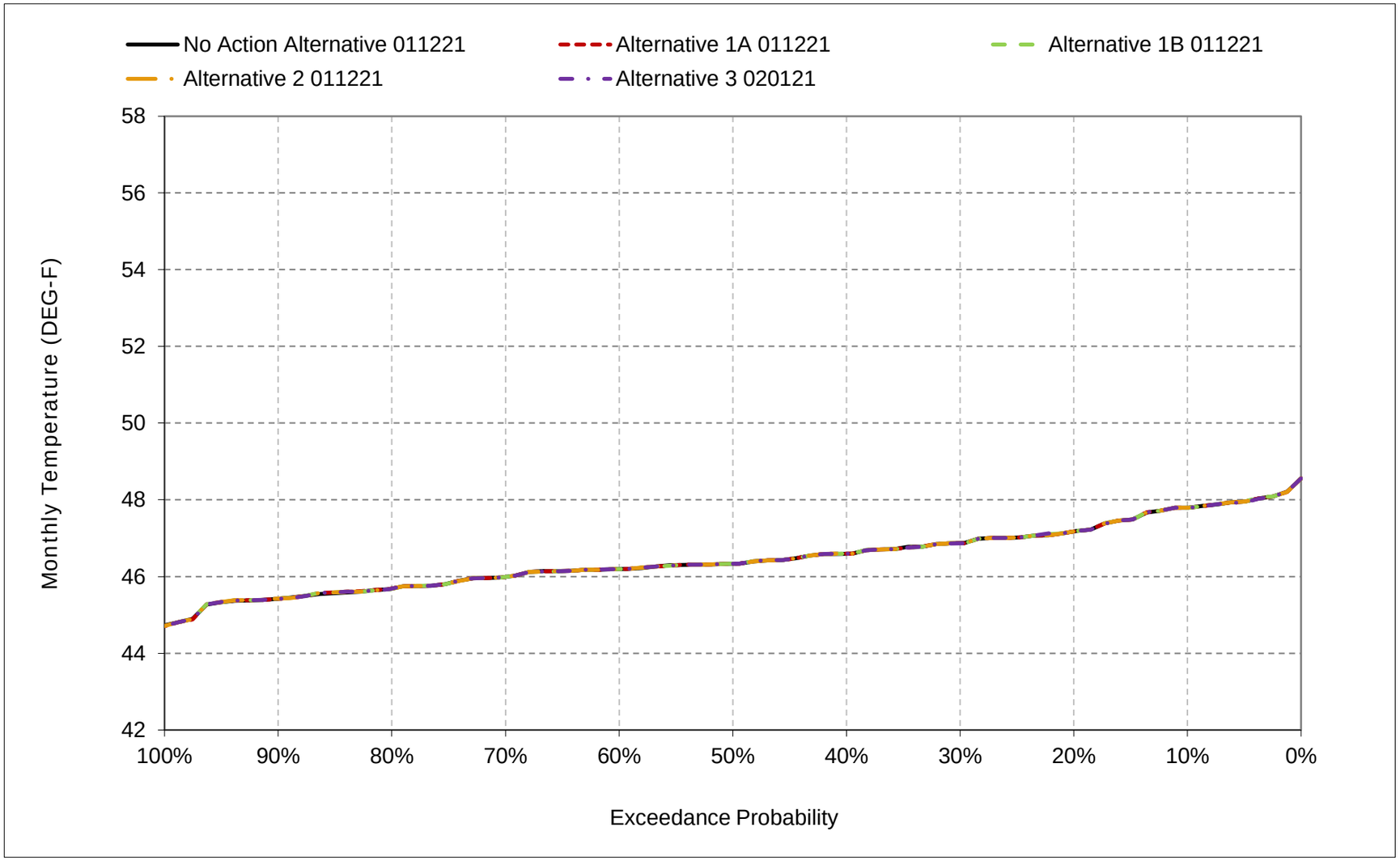
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-4-11. Clear Creek at Mouth, February



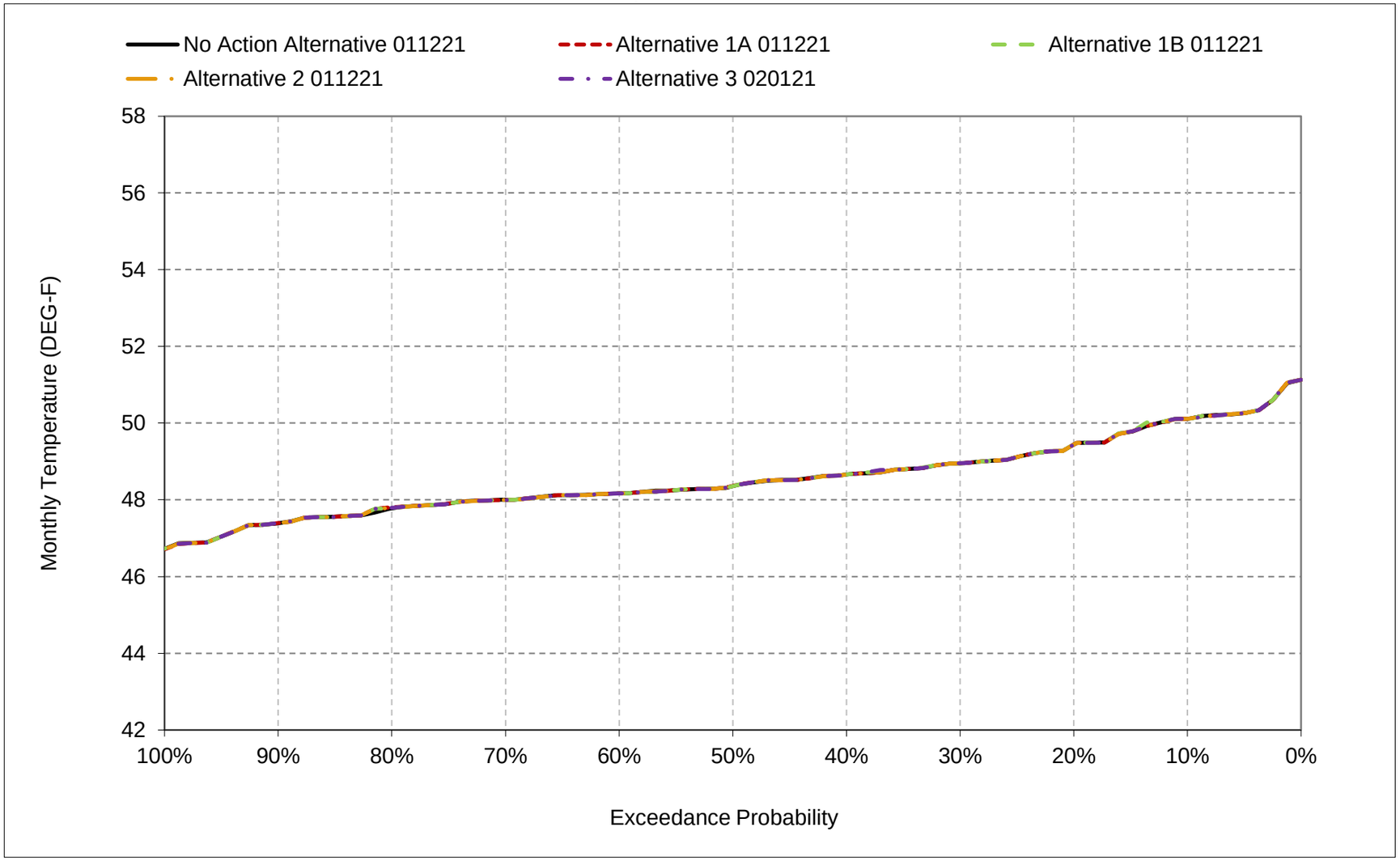
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-4-12. Clear Creek at Mouth, March



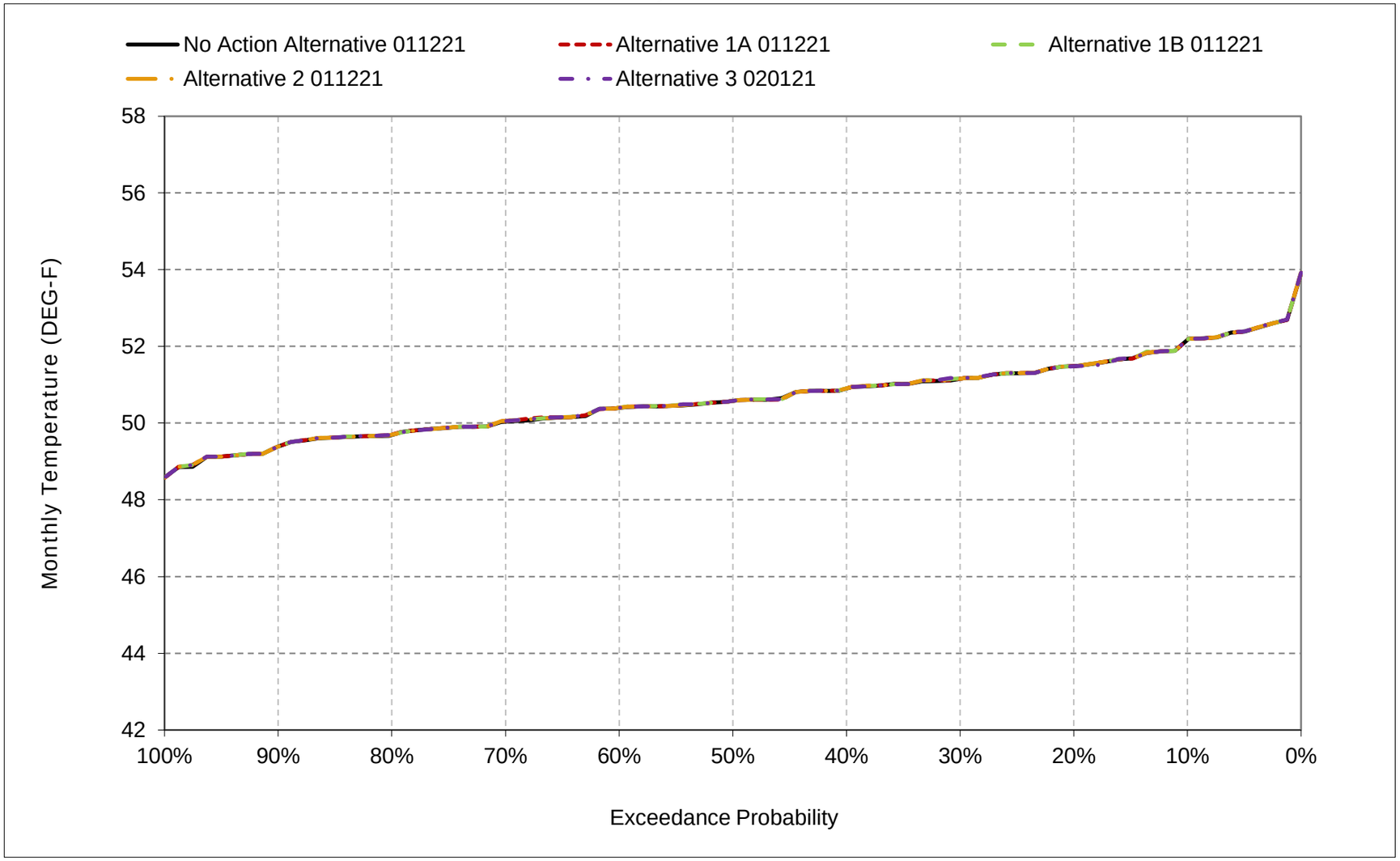
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-4-13. Clear Creek at Mouth, April



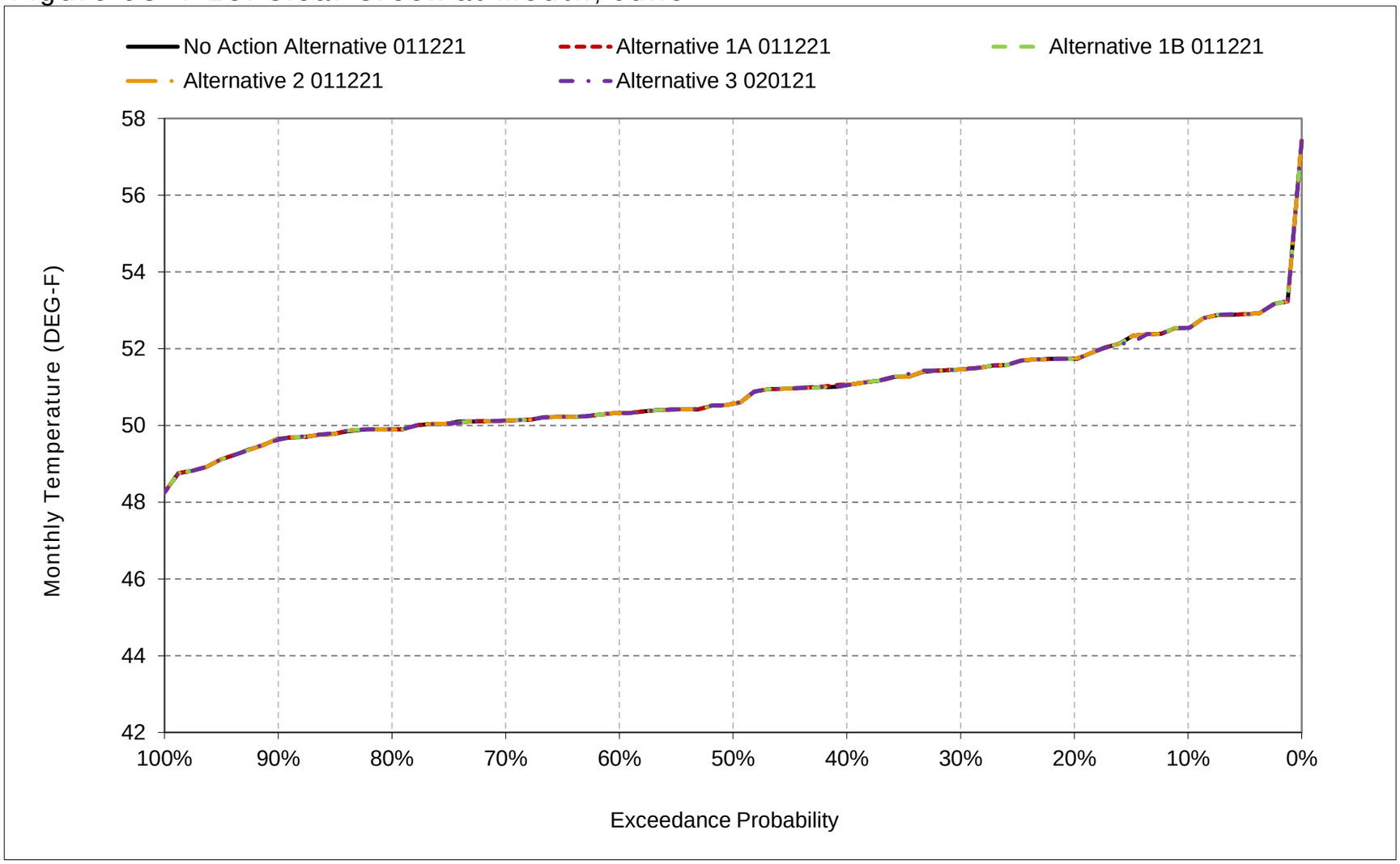
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-4-14. Clear Creek at Mouth, May



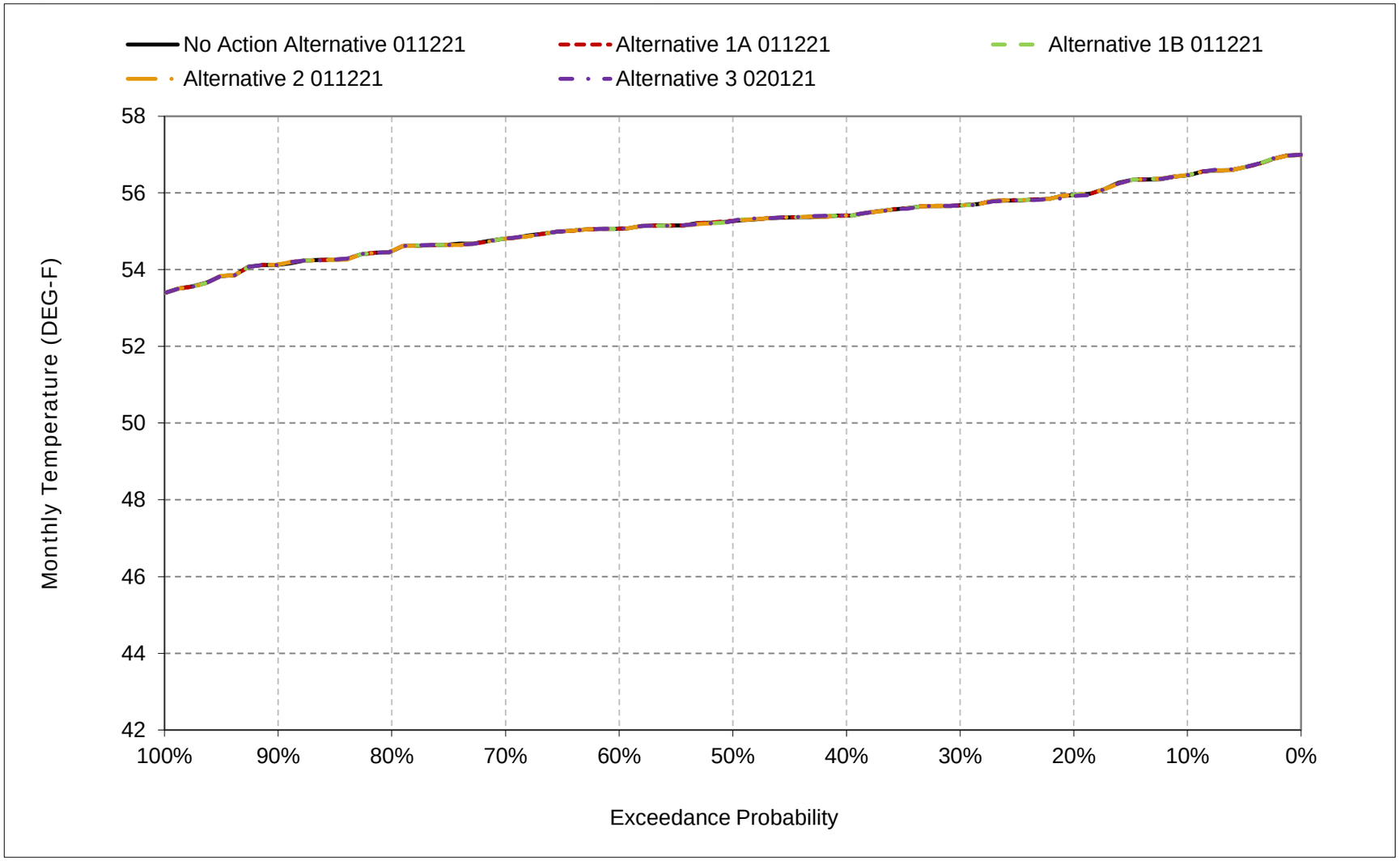
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-4-15. Clear Creek at Mouth, June



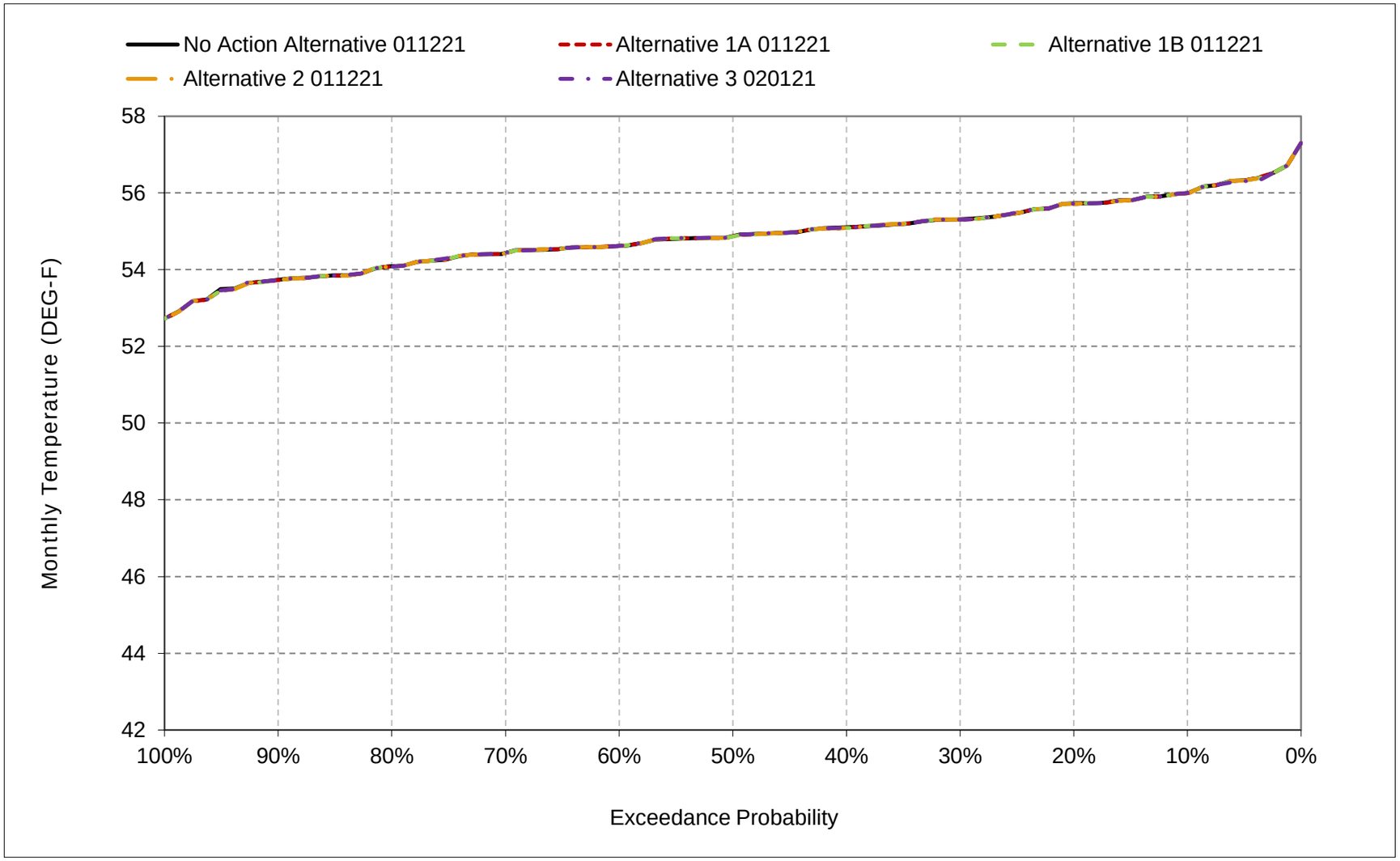
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-4-16. Clear Creek at Mouth, July



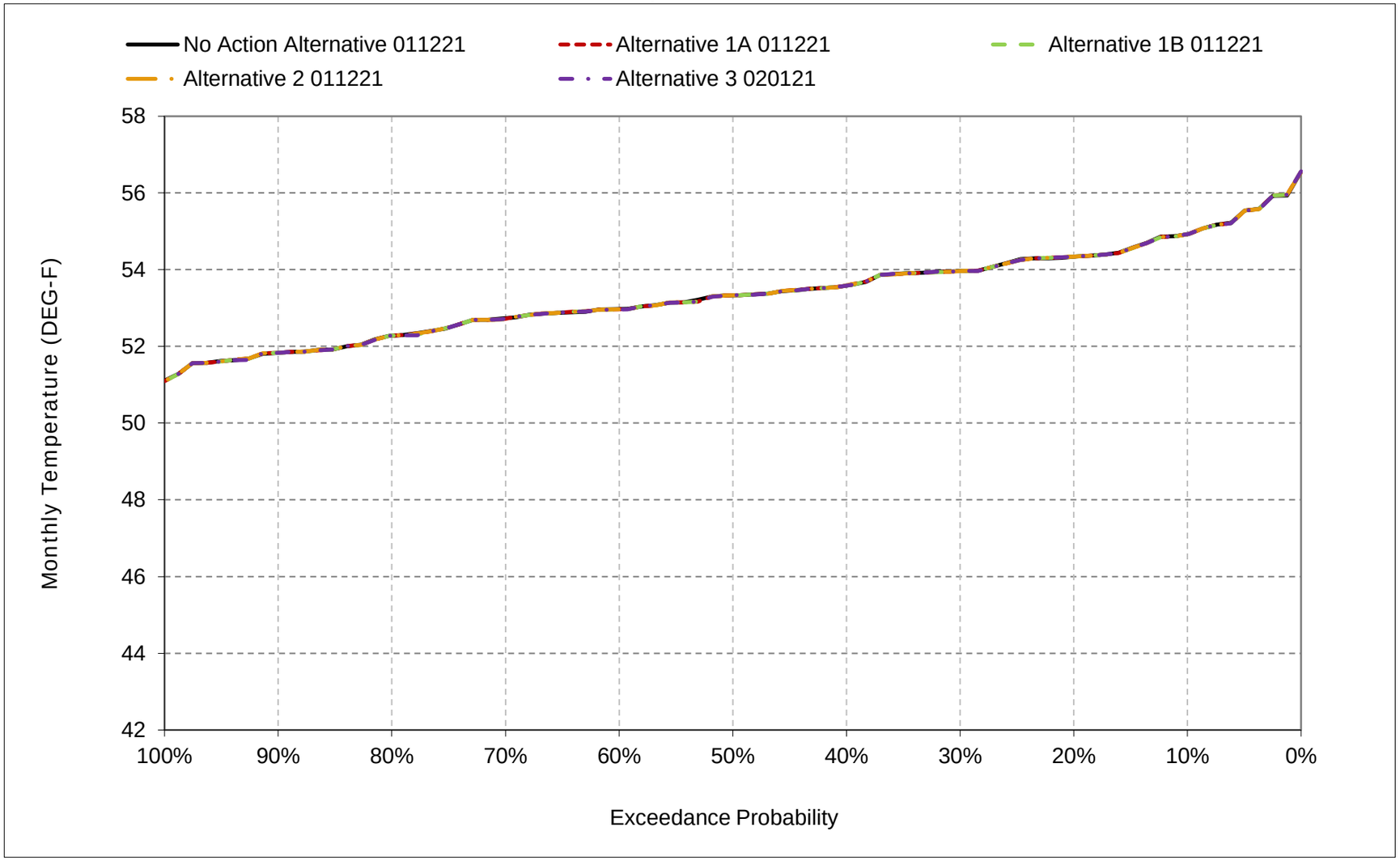
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-4-17. Clear Creek at Mouth, August



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

Figure 6C-4-18. Clear Creek at Mouth, September



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

Table 6C-5-1a. Sacramento River below Keswick, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.3	54.6	52.8	49.2	48.0	49.3	52.8	52.9	53.2	50.7	51.2	52.6
20%	52.6	54.4	52.4	48.8	47.3	48.7	52.1	52.4	51.1	50.5	50.9	51.7
30%	52.1	54.3	52.2	48.1	47.1	48.4	51.7	51.9	50.7	50.3	50.8	51.0
40%	51.7	54.1	51.8	47.7	46.6	48.0	51.2	51.4	50.6	50.2	50.6	50.7
50%	51.6	54.0	51.3	47.4	46.4	47.6	50.7	51.1	50.5	50.1	50.5	50.4
60%	51.5	53.8	51.0	47.1	45.6	47.2	50.4	50.8	50.4	49.9	50.4	50.1
70%	51.4	53.7	50.8	46.7	45.3	46.9	50.2	50.4	50.3	49.8	50.3	49.6
80%	51.3	53.5	50.4	46.3	44.9	46.5	49.7	50.2	50.1	49.7	50.1	49.4
90%	51.0	53.2	49.6	46.0	44.3	46.0	49.2	49.7	50.1	49.5	50.0	49.2
Long Term												
Full Simulation Period[a]	52.2	54.0	51.4	47.5	46.2	47.7	51.0	51.2	50.9	50.1	50.7	50.8
Water Year Types[b,c]												
Wet (32%)	51.5	54.1	51.8	46.7	45.2	46.7	50.2	50.5	50.6	50.0	50.3	49.7
Above Normal (15%)	51.5	53.7	51.1	47.4	45.7	47.2	50.9	50.8	50.4	49.8	50.3	49.9
Below Normal (17%)	51.8	53.7	50.9	47.5	46.0	47.8	51.1	51.0	50.4	49.8	50.5	50.6
Dry (22%)	51.9	53.9	51.1	48.1	47.0	48.4	52.1	51.9	50.6	50.2	50.7	51.1
Critical (15%)	55.3	54.7	51.7	48.5	47.7	48.8	50.8	52.3	53.3	50.9	51.8	53.7

Table 6C-5-1b. Sacramento River below Keswick, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.3	54.5	52.8	49.2	48.0	49.3	52.8	53.0	53.5	50.7	51.2	52.7
20%	52.6	54.4	52.4	48.9	47.4	48.9	52.1	52.4	51.2	50.4	51.0	51.6
30%	52.0	54.2	52.1	48.1	47.1	48.4	51.8	52.0	50.8	50.3	50.8	51.1
40%	51.7	54.1	51.8	47.7	46.6	48.0	51.3	51.4	50.7	50.1	50.6	50.7
50%	51.6	54.0	51.3	47.4	46.3	47.6	50.7	51.2	50.5	50.0	50.5	50.3
60%	51.5	53.8	51.0	47.1	45.6	47.2	50.4	50.8	50.4	49.9	50.4	50.1
70%	51.4	53.7	50.8	46.7	45.3	46.9	50.2	50.4	50.3	49.8	50.3	49.6
80%	51.3	53.5	50.4	46.3	44.9	46.5	49.7	50.3	50.1	49.7	50.1	49.4
90%	51.0	53.2	49.6	46.0	44.3	46.0	49.2	49.7	50.1	49.5	50.0	49.2
Long Term												
Full Simulation Period[a]	52.2	54.0	51.4	47.5	46.2	47.7	51.0	51.3	51.0	50.1	50.6	50.7
Water Year Types[b,c]												
Wet (32%)	51.5	54.1	51.8	46.7	45.2	46.7	50.2	50.6	50.6	50.0	50.3	49.7
Above Normal (15%)	51.5	53.7	51.2	47.4	45.7	47.2	50.9	50.8	50.4	49.8	50.3	49.8
Below Normal (17%)	51.8	53.7	50.9	47.5	46.0	47.8	51.1	51.1	50.4	49.8	50.5	50.6
Dry (22%)	51.9	53.9	51.1	48.1	47.0	48.4	52.2	52.0	50.7	50.2	50.7	51.0
Critical (15%)	55.3	54.6	51.7	48.4	47.7	48.8	50.7	52.4	53.4	50.8	51.7	53.6

Table 6C-5-1c. Sacramento River below Keswick, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.1	0.1	0.2	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0
30%	-0.1	0.0	-0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	-0.1	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	-0.1
Critical (15%)	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	-0.1	-0.1

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-5-2a. Sacramento River below Keswick, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.3	54.6	52.8	49.2	48.0	49.3	52.8	52.9	53.2	50.7	51.2	52.6
20%	52.6	54.4	52.4	48.8	47.3	48.7	52.1	52.4	51.1	50.5	50.9	51.7
30%	52.1	54.3	52.2	48.1	47.1	48.4	51.7	51.9	50.7	50.3	50.8	51.0
40%	51.7	54.1	51.8	47.7	46.6	48.0	51.2	51.4	50.6	50.2	50.6	50.7
50%	51.6	54.0	51.3	47.4	46.4	47.6	50.7	51.1	50.5	50.1	50.5	50.4
60%	51.5	53.8	51.0	47.1	45.6	47.2	50.4	50.8	50.4	49.9	50.4	50.1
70%	51.4	53.7	50.8	46.7	45.3	46.9	50.2	50.4	50.3	49.8	50.3	49.6
80%	51.3	53.5	50.4	46.3	44.9	46.5	49.7	50.2	50.1	49.7	50.1	49.4
90%	51.0	53.2	49.6	46.0	44.3	46.0	49.2	49.7	50.1	49.5	50.0	49.2
Long Term												
Full Simulation Period[a]	52.2	54.0	51.4	47.5	46.2	47.7	51.0	51.2	50.9	50.1	50.7	50.8
Water Year Types[b,c]												
Wet (32%)	51.5	54.1	51.8	46.7	45.2	46.7	50.2	50.5	50.6	50.0	50.3	49.7
Above Normal (15%)	51.5	53.7	51.1	47.4	45.7	47.2	50.9	50.8	50.4	49.8	50.3	49.9
Below Normal (17%)	51.8	53.7	50.9	47.5	46.0	47.8	51.1	51.0	50.4	49.8	50.5	50.6
Dry (22%)	51.9	53.9	51.1	48.1	47.0	48.4	52.1	51.9	50.6	50.2	50.7	51.1
Critical (15%)	55.3	54.7	51.7	48.5	47.7	48.8	50.8	52.3	53.3	50.9	51.8	53.7

Table 6C-5-2b. Sacramento River below Keswick, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.3	54.5	52.8	49.1	48.0	49.3	52.8	53.0	53.4	50.7	51.2	52.8
20%	52.5	54.4	52.4	48.9	47.4	48.9	52.1	52.5	51.2	50.5	51.0	51.6
30%	52.0	54.3	52.2	48.1	47.1	48.4	51.7	51.9	50.8	50.3	50.7	51.0
40%	51.8	54.1	51.8	47.7	46.7	48.0	51.3	51.4	50.7	50.2	50.6	50.7
50%	51.6	54.0	51.3	47.4	46.3	47.7	50.7	51.2	50.5	50.1	50.6	50.3
60%	51.5	53.9	51.0	47.1	45.6	47.3	50.4	50.8	50.4	50.0	50.4	50.0
70%	51.4	53.7	50.7	46.7	45.2	46.9	50.2	50.5	50.3	49.8	50.3	49.5
80%	51.2	53.6	50.5	46.3	44.9	46.5	49.7	50.3	50.2	49.7	50.1	49.3
90%	51.0	53.2	49.8	46.0	44.3	46.0	49.2	49.7	50.0	49.5	50.0	49.2
Long Term												
Full Simulation Period[a]	52.2	54.0	51.4	47.5	46.2	47.7	51.0	51.3	51.0	50.1	50.6	50.7
Water Year Types[b,c]												
Wet (32%)	51.5	54.0	51.8	46.7	45.2	46.7	50.2	50.6	50.6	50.0	50.3	49.7
Above Normal (15%)	51.5	53.6	51.1	47.4	45.7	47.2	50.9	50.8	50.5	49.8	50.3	49.7
Below Normal (17%)	51.8	53.7	50.9	47.5	46.0	47.8	51.1	51.2	50.4	49.9	50.5	50.5
Dry (22%)	51.9	53.9	51.1	48.1	47.0	48.4	52.2	51.9	50.6	50.2	50.7	51.0
Critical (15%)	55.3	54.7	51.7	48.4	47.7	48.8	50.7	52.4	53.4	50.8	51.6	53.6

Table 6C-5-2c. Sacramento River below Keswick, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	0.1	0.2	0.0	0.0	0.2
20%	-0.2	0.0	0.0	0.1	0.1	0.2	0.0	0.1	0.1	0.0	0.0	-0.1
30%	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.1
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1
70%	0.0	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
80%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
90%	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-0.1
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.1
Critical (15%)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	-0.2	-0.2

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-5-3a. Sacramento River below Keswick, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.3	54.6	52.8	49.2	48.0	49.3	52.8	52.9	53.2	50.7	51.2	52.6
20%	52.6	54.4	52.4	48.8	47.3	48.7	52.1	52.4	51.1	50.5	50.9	51.7
30%	52.1	54.3	52.2	48.1	47.1	48.4	51.7	51.9	50.7	50.3	50.8	51.0
40%	51.7	54.1	51.8	47.7	46.6	48.0	51.2	51.4	50.6	50.2	50.6	50.7
50%	51.6	54.0	51.3	47.4	46.4	47.6	50.7	51.1	50.5	50.1	50.5	50.4
60%	51.5	53.8	51.0	47.1	45.6	47.2	50.4	50.8	50.4	49.9	50.4	50.1
70%	51.4	53.7	50.8	46.7	45.3	46.9	50.2	50.4	50.3	49.8	50.3	49.6
80%	51.3	53.5	50.4	46.3	44.9	46.5	49.7	50.2	50.1	49.7	50.1	49.4
90%	51.0	53.2	49.6	46.0	44.3	46.0	49.2	49.7	50.1	49.5	50.0	49.2
Long Term												
Full Simulation Period[a]	52.2	54.0	51.4	47.5	46.2	47.7	51.0	51.2	50.9	50.1	50.7	50.8
Water Year Types[b,c]												
Wet (32%)	51.5	54.1	51.8	46.7	45.2	46.7	50.2	50.5	50.6	50.0	50.3	49.7
Above Normal (15%)	51.5	53.7	51.1	47.4	45.7	47.2	50.9	50.8	50.4	49.8	50.3	49.9
Below Normal (17%)	51.8	53.7	50.9	47.5	46.0	47.8	51.1	51.0	50.4	49.8	50.5	50.6
Dry (22%)	51.9	53.9	51.1	48.1	47.0	48.4	52.1	51.9	50.6	50.2	50.7	51.1
Critical (15%)	55.3	54.7	51.7	48.5	47.7	48.8	50.8	52.3	53.3	50.9	51.8	53.7

Table 6C-5-3b. Sacramento River below Keswick, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.3	54.6	52.8	49.2	48.0	49.3	52.8	53.0	53.5	50.7	51.2	52.6
20%	52.6	54.4	52.4	48.9	47.4	48.9	52.1	52.4	51.2	50.4	51.0	51.6
30%	52.0	54.2	52.1	48.1	47.1	48.4	51.7	52.0	50.8	50.3	50.8	51.1
40%	51.7	54.1	51.8	47.7	46.6	48.0	51.4	51.4	50.7	50.1	50.6	50.7
50%	51.6	54.0	51.3	47.4	46.3	47.6	50.7	51.1	50.5	50.0	50.5	50.3
60%	51.5	53.8	51.0	47.1	45.6	47.2	50.5	50.9	50.4	49.9	50.4	50.1
70%	51.4	53.7	50.7	46.7	45.3	46.9	50.2	50.4	50.3	49.8	50.3	49.6
80%	51.3	53.5	50.4	46.3	44.9	46.5	49.7	50.3	50.1	49.7	50.1	49.4
90%	51.0	53.2	49.7	46.0	44.3	46.0	49.2	49.7	50.1	49.5	50.0	49.2
Long Term												
Full Simulation Period[a]	52.2	54.0	51.4	47.5	46.2	47.7	51.0	51.3	51.0	50.1	50.6	50.7
Water Year Types[b,c]												
Wet (32%)	51.5	54.0	51.8	46.7	45.2	46.7	50.2	50.6	50.6	50.0	50.3	49.7
Above Normal (15%)	51.5	53.7	51.2	47.4	45.7	47.2	50.9	50.8	50.4	49.8	50.3	49.8
Below Normal (17%)	51.8	53.7	50.9	47.5	46.0	47.8	51.1	51.1	50.4	49.8	50.5	50.6
Dry (22%)	51.9	53.9	51.1	48.1	47.0	48.4	52.2	52.0	50.7	50.2	50.7	51.0
Critical (15%)	55.4	54.8	51.7	48.4	47.6	48.8	50.8	52.4	53.4	50.8	51.6	53.7

Table 6C-5-3c. Sacramento River below Keswick, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.1	0.3	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.1	0.0	0.0	0.0
30%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.1	-0.1	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.1
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	-0.1
Critical (15%)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	-0.2	-0.1

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-5-4a. Sacramento River below Keswick, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.3	54.6	52.8	49.2	48.0	49.3	52.8	52.9	53.2	50.7	51.2	52.6
20%	52.6	54.4	52.4	48.8	47.3	48.7	52.1	52.4	51.1	50.5	50.9	51.7
30%	52.1	54.3	52.2	48.1	47.1	48.4	51.7	51.9	50.7	50.3	50.8	51.0
40%	51.7	54.1	51.8	47.7	46.6	48.0	51.2	51.4	50.6	50.2	50.6	50.7
50%	51.6	54.0	51.3	47.4	46.4	47.6	50.7	51.1	50.5	50.1	50.5	50.4
60%	51.5	53.8	51.0	47.1	45.6	47.2	50.4	50.8	50.4	49.9	50.4	50.1
70%	51.4	53.7	50.8	46.7	45.3	46.9	50.2	50.4	50.3	49.8	50.3	49.6
80%	51.3	53.5	50.4	46.3	44.9	46.5	49.7	50.2	50.1	49.7	50.1	49.4
90%	51.0	53.2	49.6	46.0	44.3	46.0	49.2	49.7	50.1	49.5	50.0	49.2
Long Term												
Full Simulation Period[a]	52.2	54.0	51.4	47.5	46.2	47.7	51.0	51.2	50.9	50.1	50.7	50.8
Water Year Types[b,c]												
Wet (32%)	51.5	54.1	51.8	46.7	45.2	46.7	50.2	50.5	50.6	50.0	50.3	49.7
Above Normal (15%)	51.5	53.7	51.1	47.4	45.7	47.2	50.9	50.8	50.4	49.8	50.3	49.9
Below Normal (17%)	51.8	53.7	50.9	47.5	46.0	47.8	51.1	51.0	50.4	49.8	50.5	50.6
Dry (22%)	51.9	53.9	51.1	48.1	47.0	48.4	52.1	51.9	50.6	50.2	50.7	51.1
Critical (15%)	55.3	54.7	51.7	48.5	47.7	48.8	50.8	52.3	53.3	50.9	51.8	53.7

Table 6C-5-4b. Sacramento River below Keswick, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.2	54.5	52.8	49.1	48.0	49.3	52.8	52.8	52.2	50.8	51.2	52.8
20%	52.4	54.4	52.3	48.9	47.4	48.7	52.1	52.2	51.2	50.6	51.0	51.5
30%	51.9	54.2	52.1	48.1	47.1	48.4	51.8	51.9	50.8	50.3	50.8	51.0
40%	51.7	54.1	51.7	47.6	46.6	47.9	51.4	51.4	50.8	50.2	50.7	50.6
50%	51.5	54.0	51.3	47.4	46.3	47.5	50.8	51.2	50.6	50.1	50.6	50.3
60%	51.4	53.8	51.0	47.1	45.6	47.2	50.5	50.9	50.4	50.0	50.5	50.0
70%	51.3	53.7	50.7	46.7	45.2	46.9	50.2	50.4	50.4	49.8	50.4	49.5
80%	51.2	53.5	50.5	46.4	44.9	46.5	49.7	50.3	50.3	49.7	50.1	49.2
90%	51.0	53.2	49.7	46.0	44.3	46.0	49.2	49.7	50.1	49.5	50.0	49.2
Long Term												
Full Simulation Period[a]	52.1	54.0	51.4	47.5	46.2	47.7	51.0	51.2	51.0	50.1	50.7	50.6
Water Year Types[b,c]												
Wet (32%)	51.5	54.0	51.8	46.7	45.2	46.7	50.2	50.6	50.6	50.0	50.3	49.7
Above Normal (15%)	51.4	53.6	51.1	47.4	45.7	47.2	50.9	50.8	50.6	49.9	50.5	49.6
Below Normal (17%)	51.7	53.6	50.8	47.5	46.0	47.8	51.1	51.2	50.6	49.9	50.6	50.5
Dry (22%)	51.9	53.8	51.0	48.1	47.0	48.4	52.3	51.9	50.7	50.2	50.8	51.0
Critical (15%)	55.1	54.7	51.9	48.4	47.6	48.8	50.8	52.2	53.1	50.8	51.5	53.4

Table 6C-5-4c. Sacramento River below Keswick, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-1.0	0.0	0.0	0.2
20%	-0.3	0.0	-0.1	0.0	0.1	0.0	0.0	-0.1	0.1	0.1	0.1	-0.1
30%	-0.2	0.0	-0.1	0.1	0.0	-0.1	0.1	-0.1	0.1	0.0	0.1	-0.1
40%	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.2	0.0	0.2	0.0	0.1	-0.1
50%	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	0.1	0.1	0.0	0.1	-0.1
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	-0.1
70%	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	-0.1
80%	0.0	0.0	0.1	0.0	-0.1	0.0	0.0	0.1	0.2	0.0	0.0	-0.2
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.2	-0.3
Below Normal (17%)	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	-0.1
Dry (22%)	0.0	-0.1	-0.1	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	-0.1
Critical (15%)	-0.2	0.0	0.2	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1	-0.4	-0.4

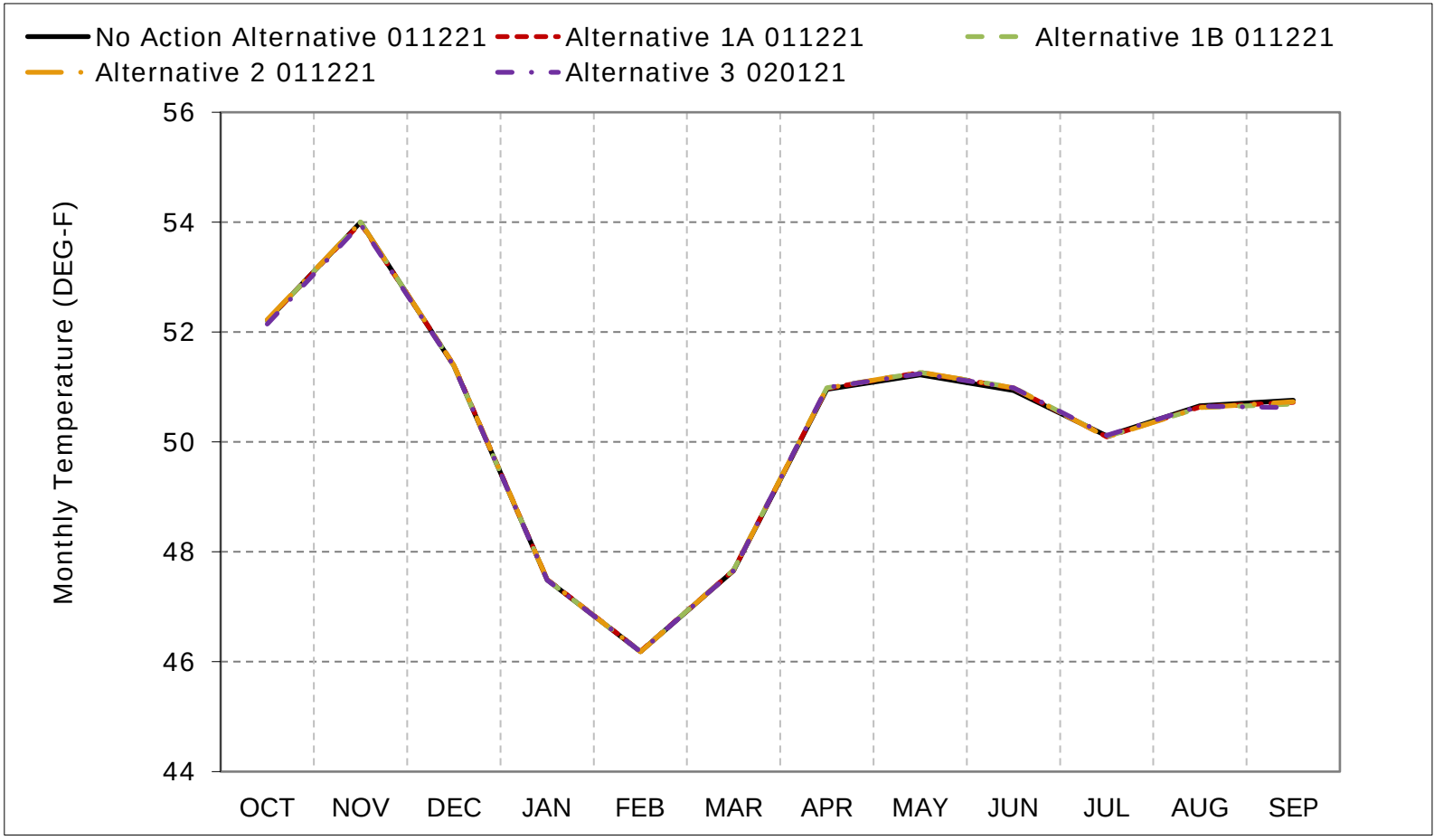
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

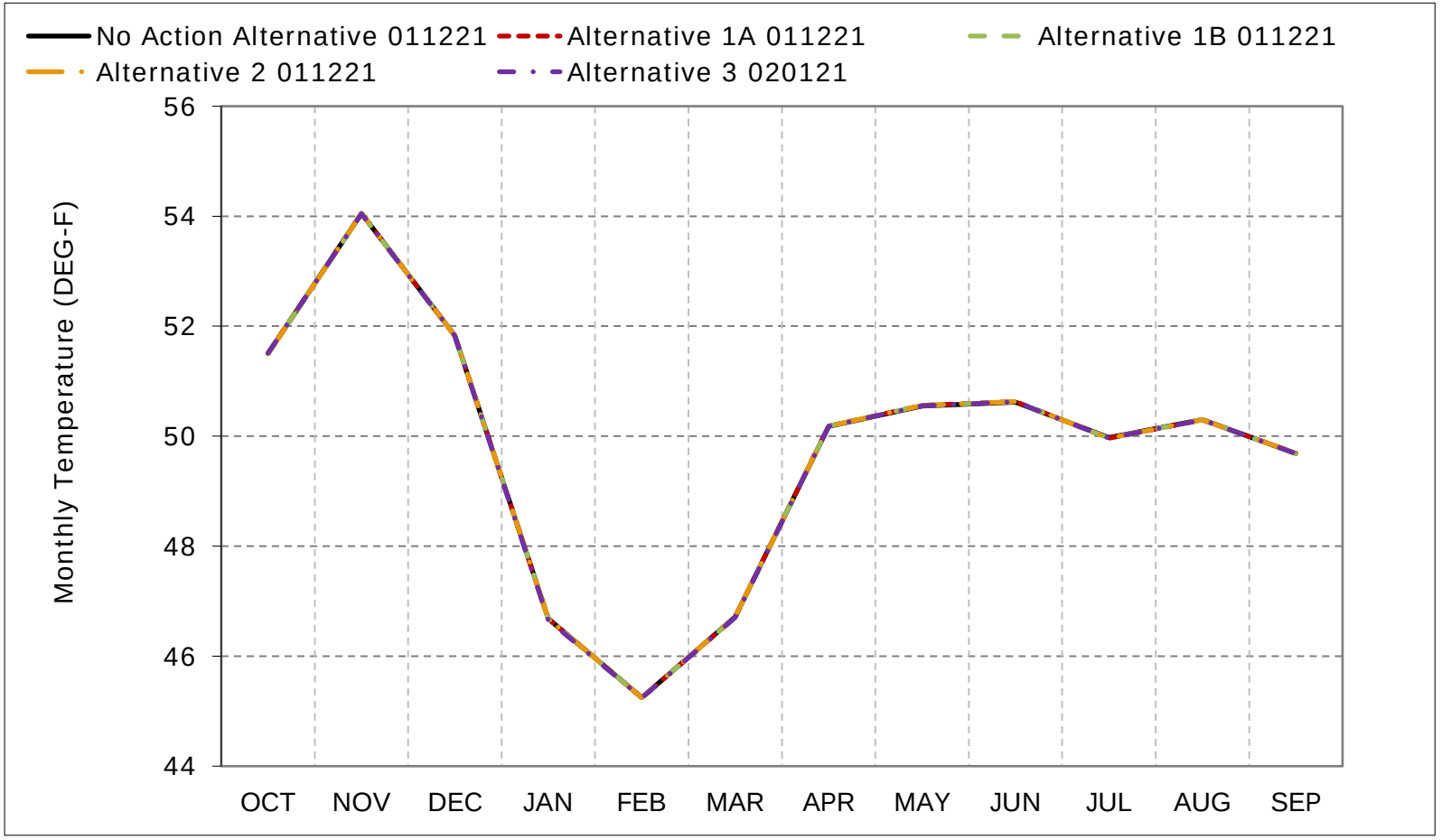
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-5-1. Sacramento River below Keswick, Long-Term Average Temperature



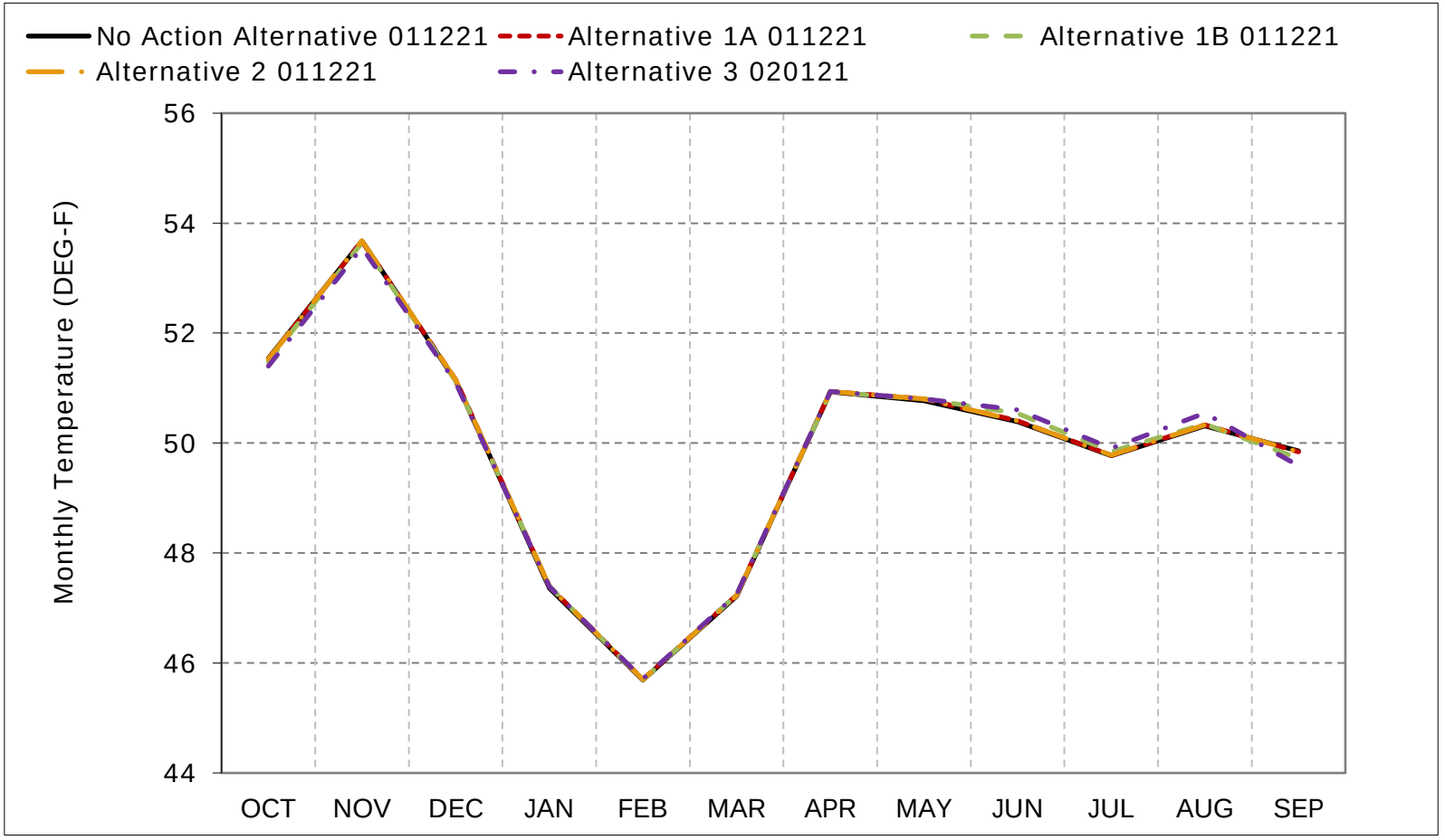
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-5-2. Sacramento River below Keswick, Wet Year Average Temperature



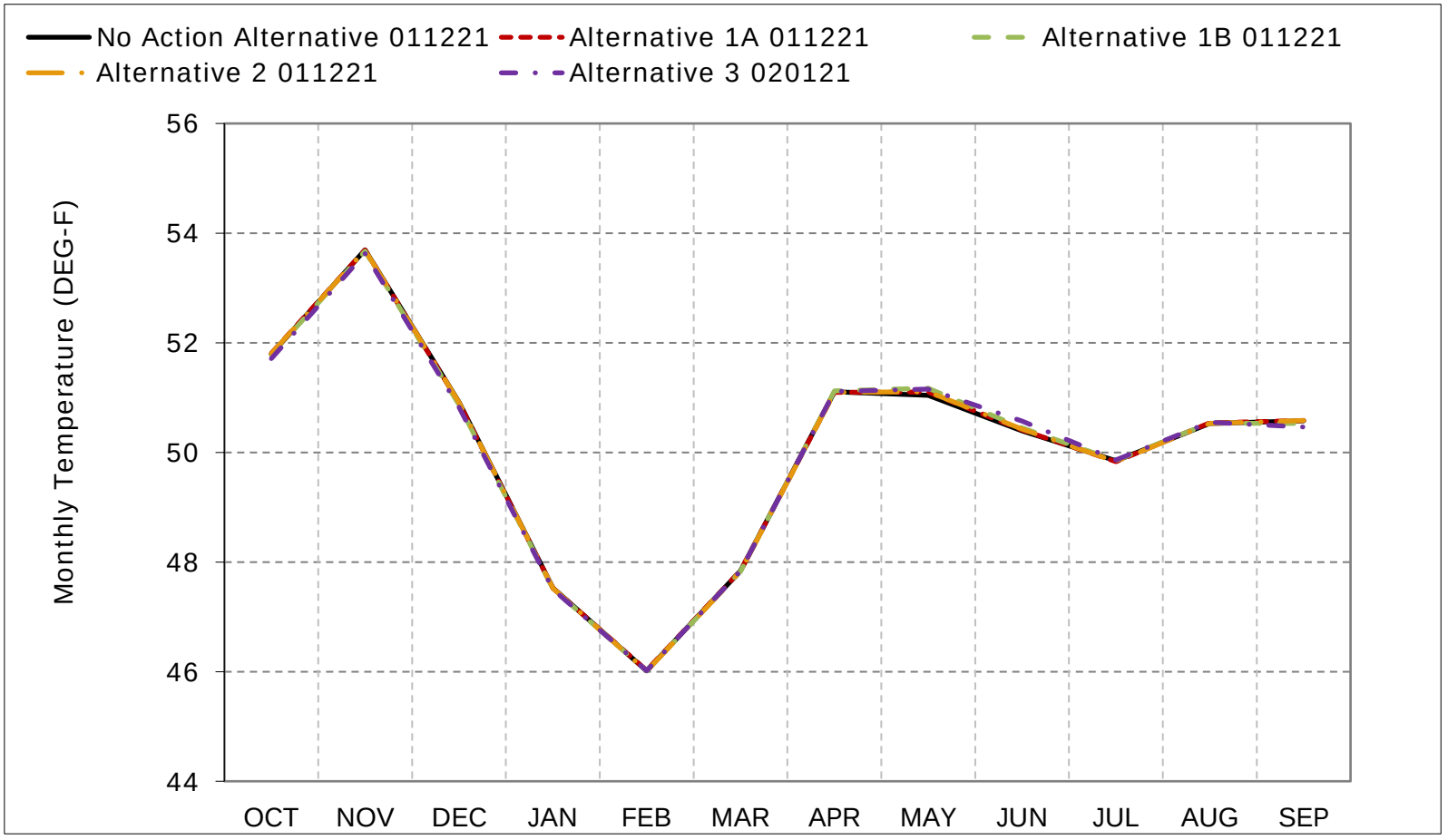
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-5-3. Sacramento River below Keswick, Above Normal Year Average Temperat



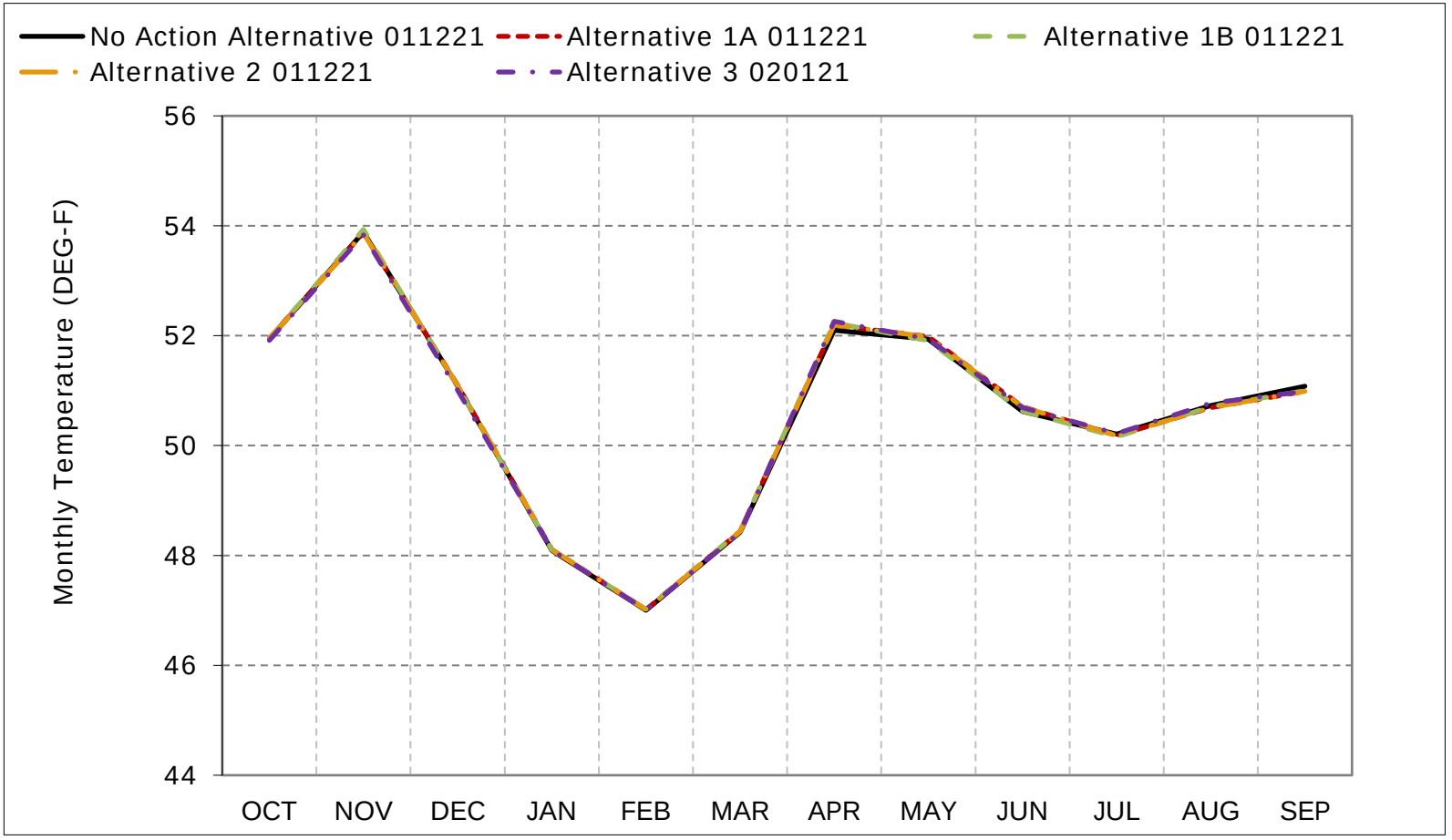
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-5-4. Sacramento River below Keswick, Below Normal Year Average Temperat



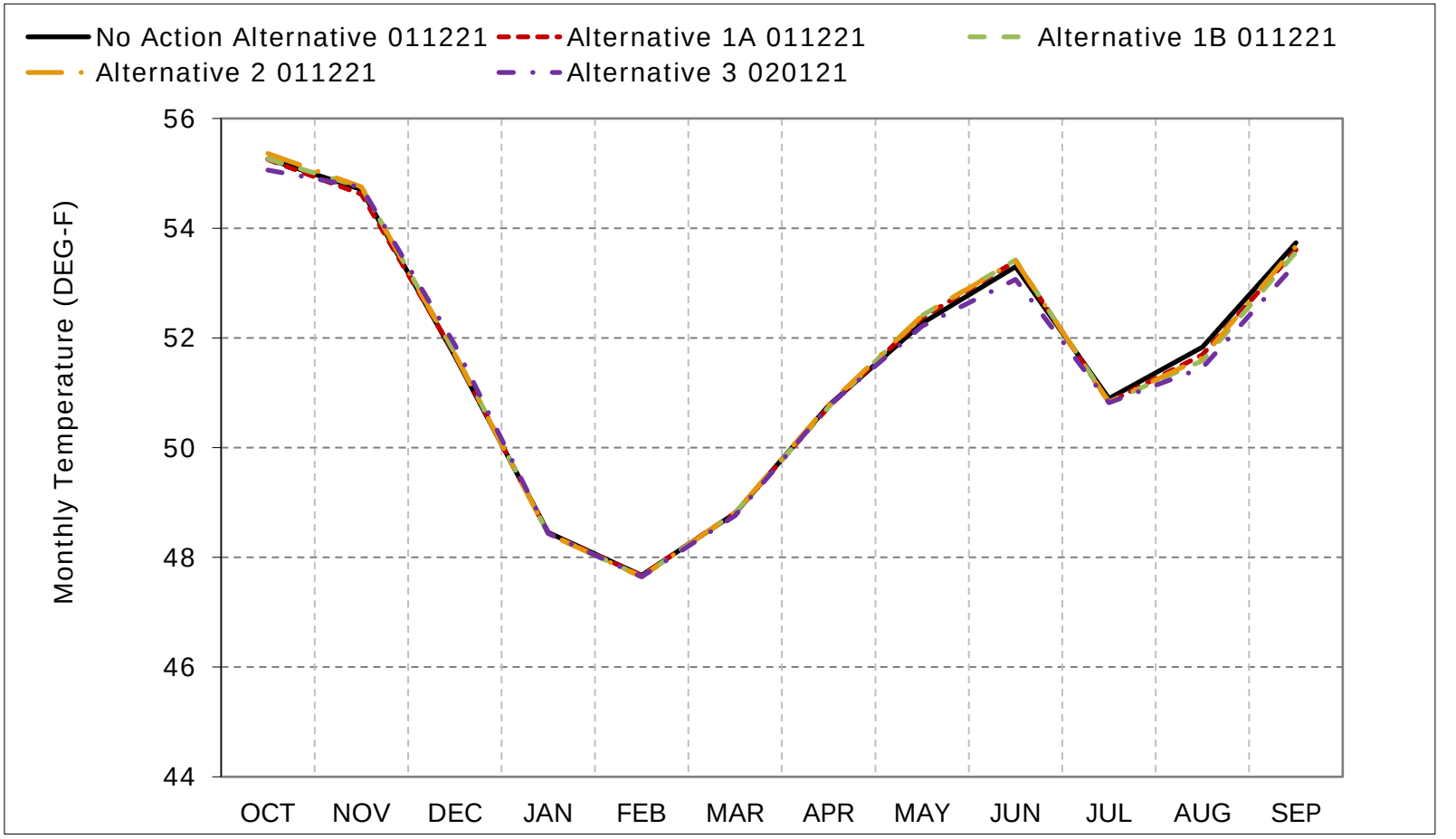
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-5-5. Sacramento River below Keswick, Dry Year Average Temperature



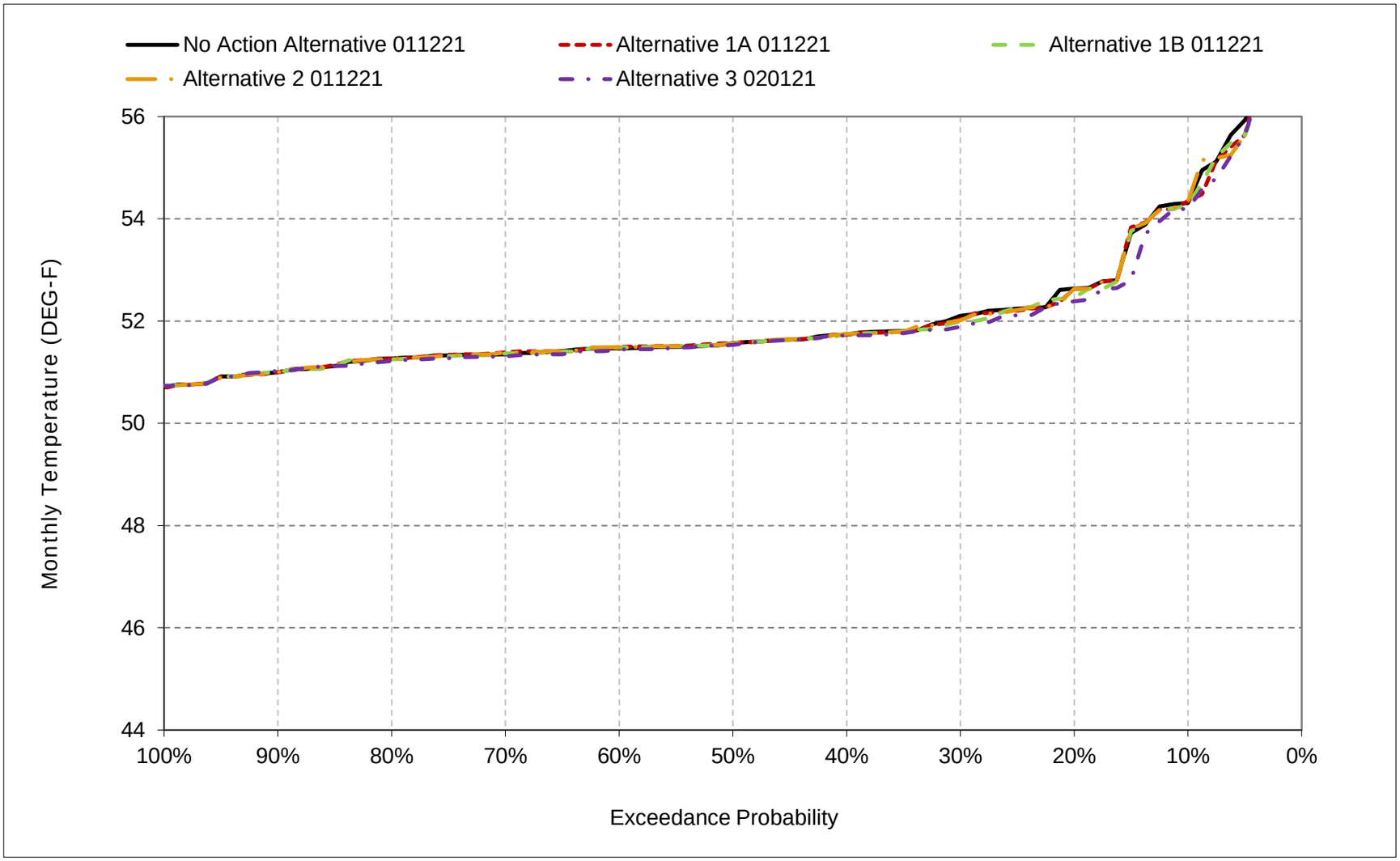
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-5-6. Sacramento River below Keswick, Critical Year Average Temperature



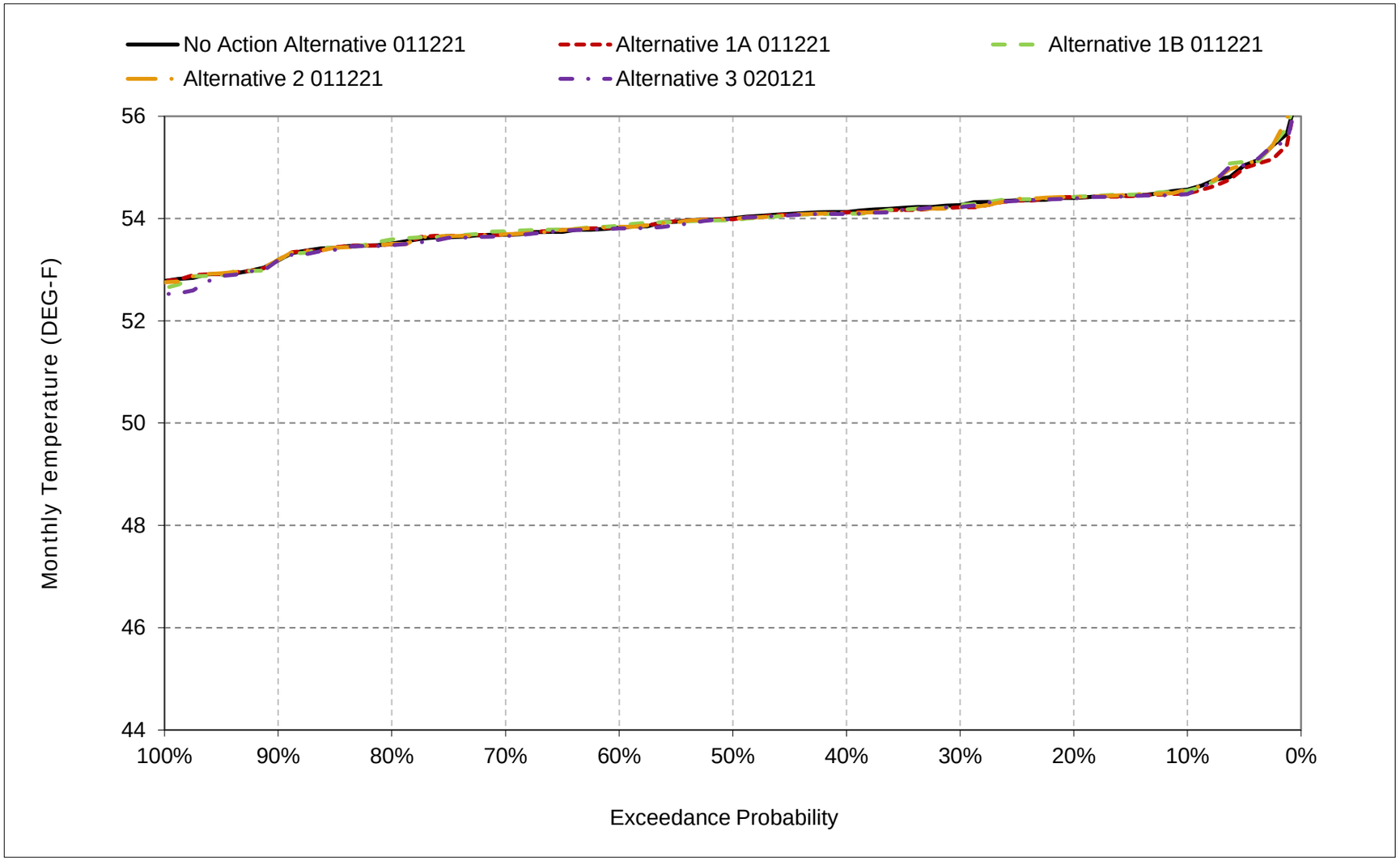
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-5-7. Sacramento River below Keswick, October



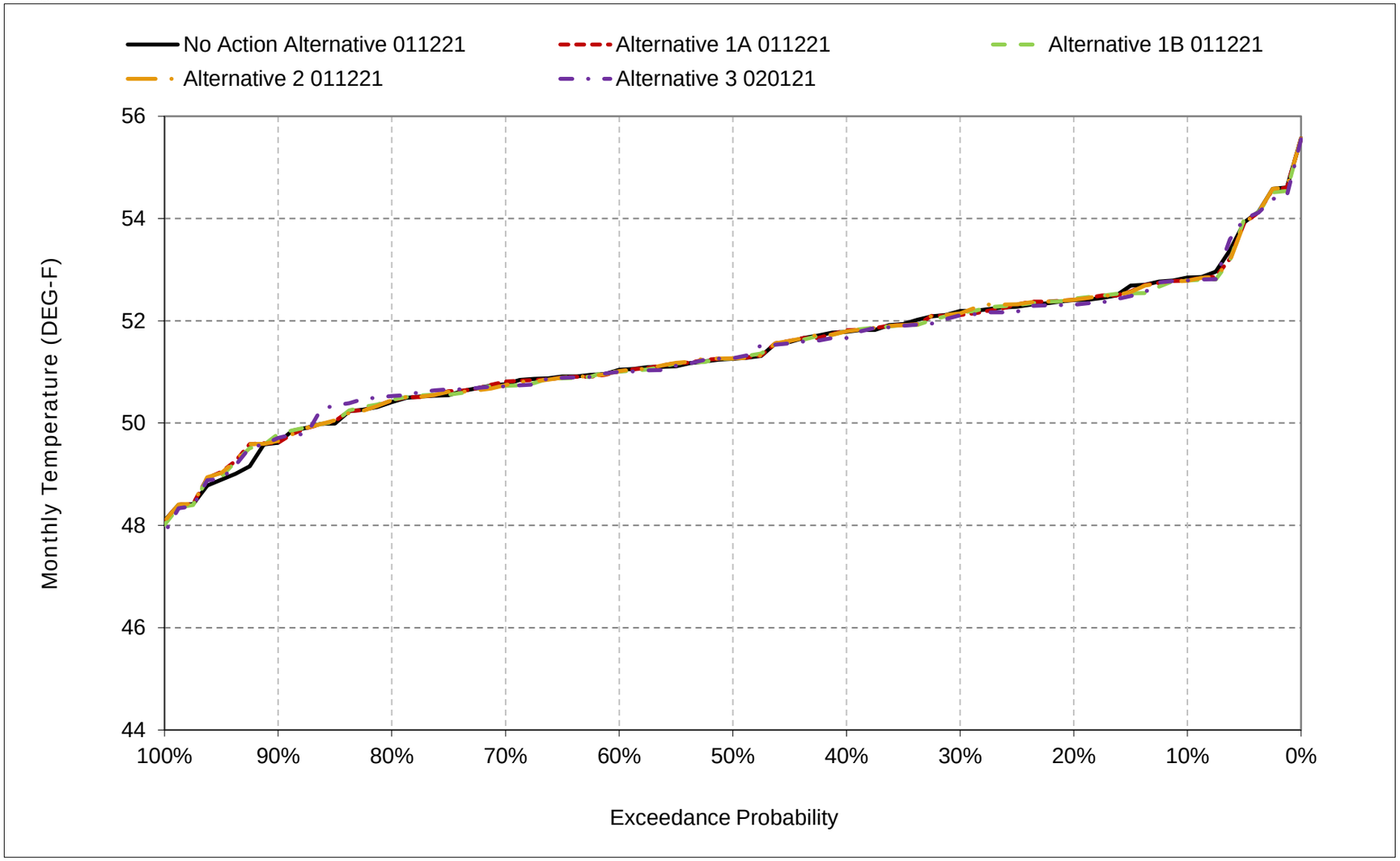
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-5-8. Sacramento River below Keswick, November



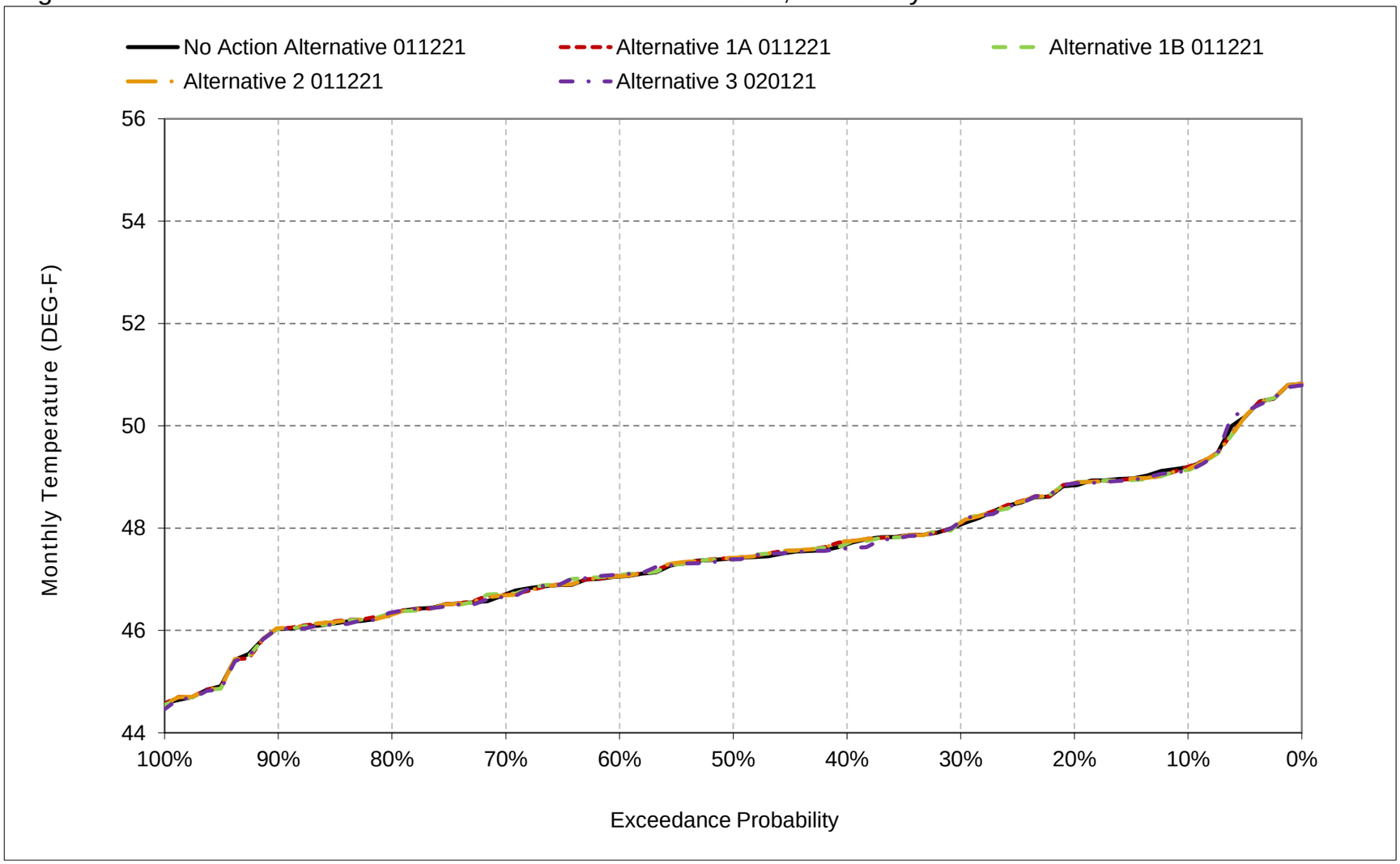
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-5-9. Sacramento River below Keswick, December



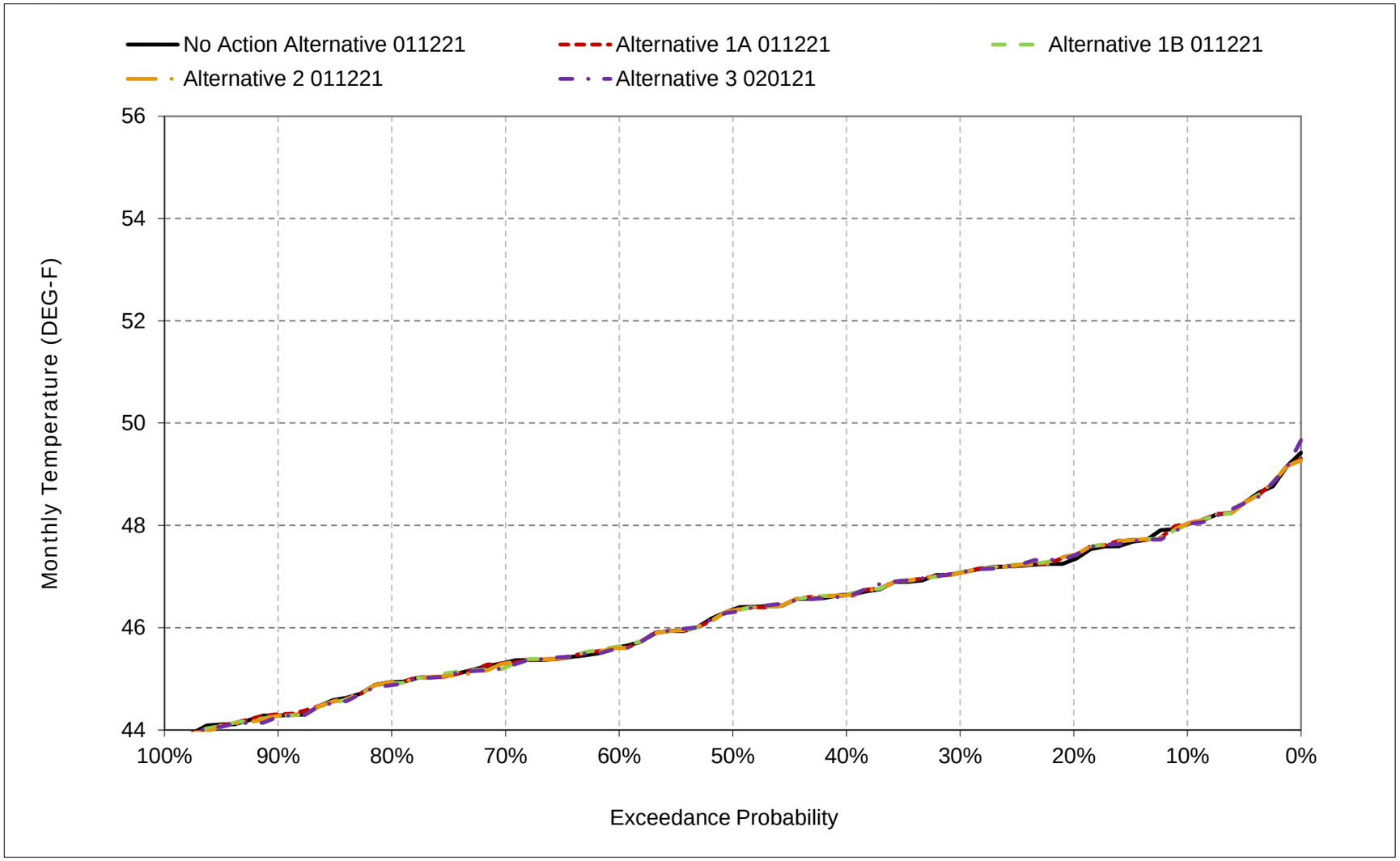
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-5-10. Sacramento River below Keswick, January



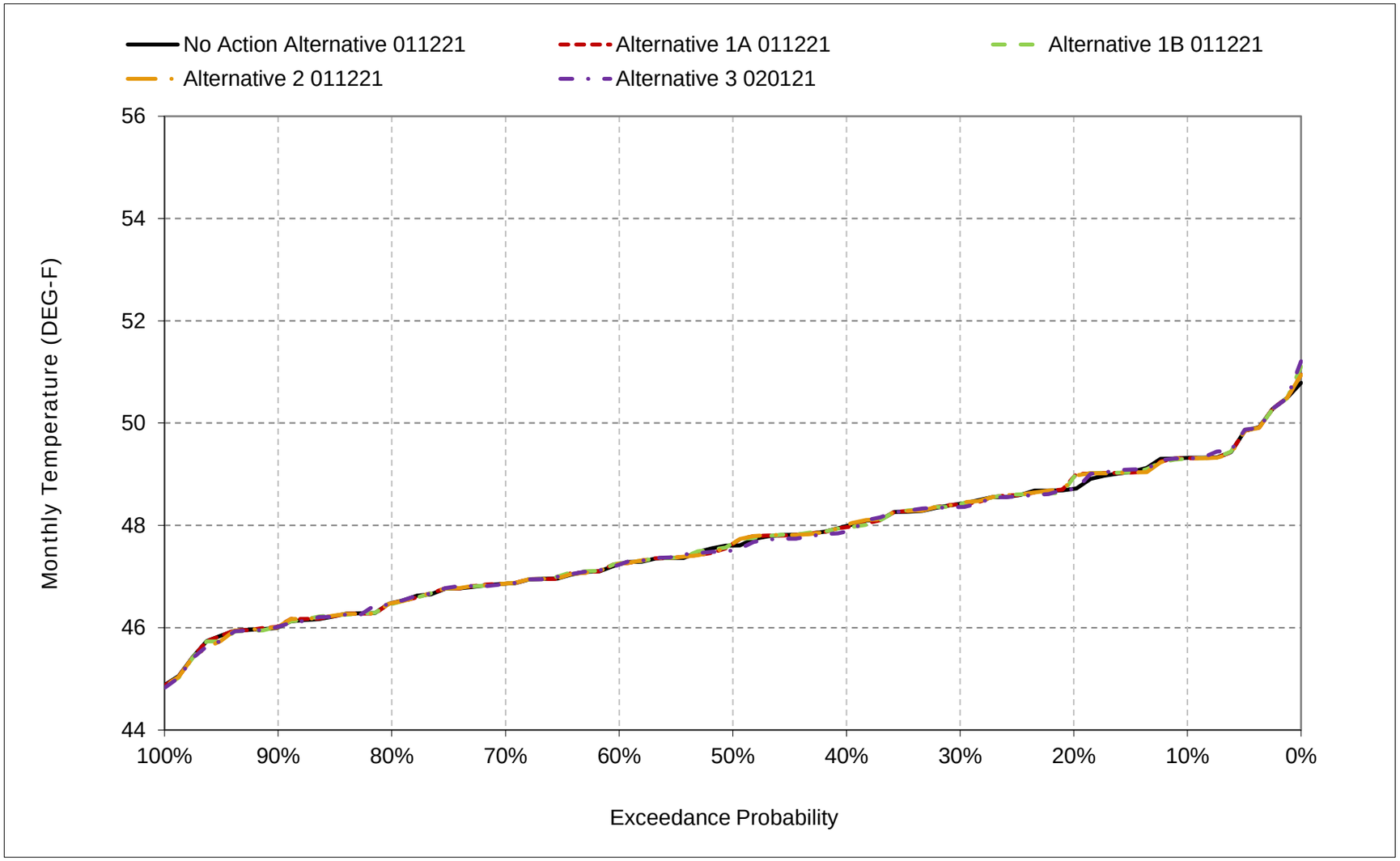
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-5-11. Sacramento River below Keswick, February



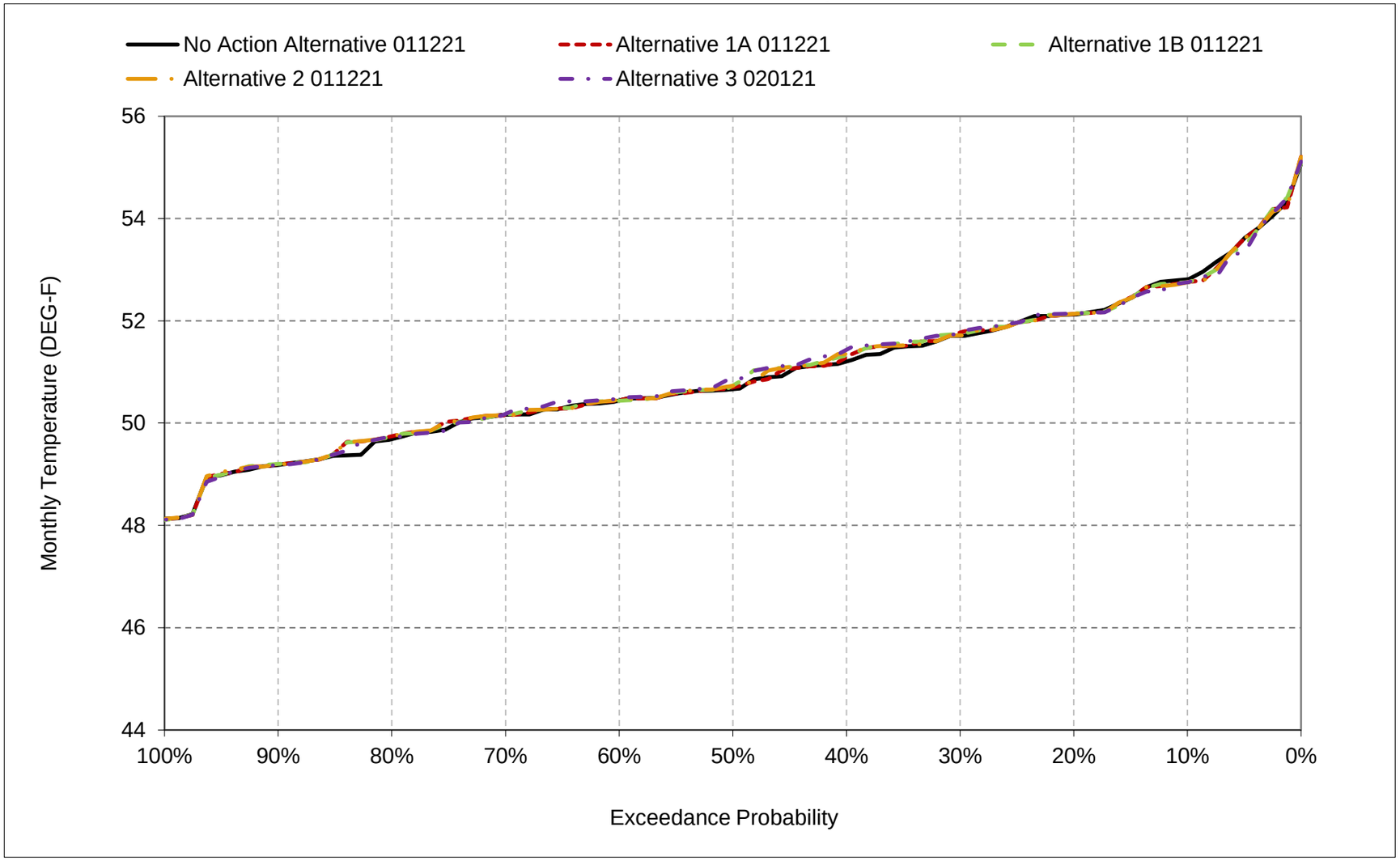
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-5-12. Sacramento River below Keswick, March



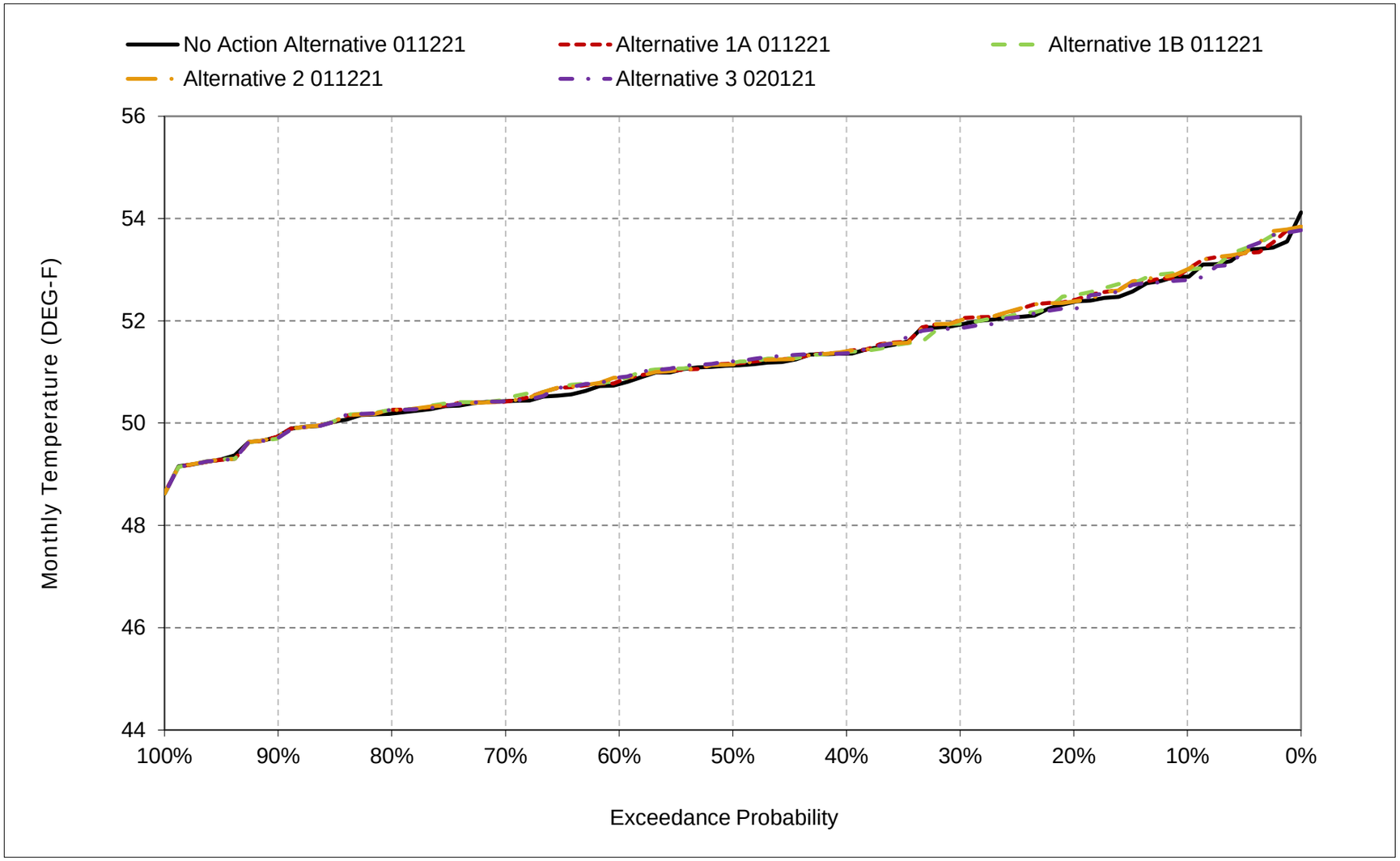
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-5-13. Sacramento River below Keswick, April



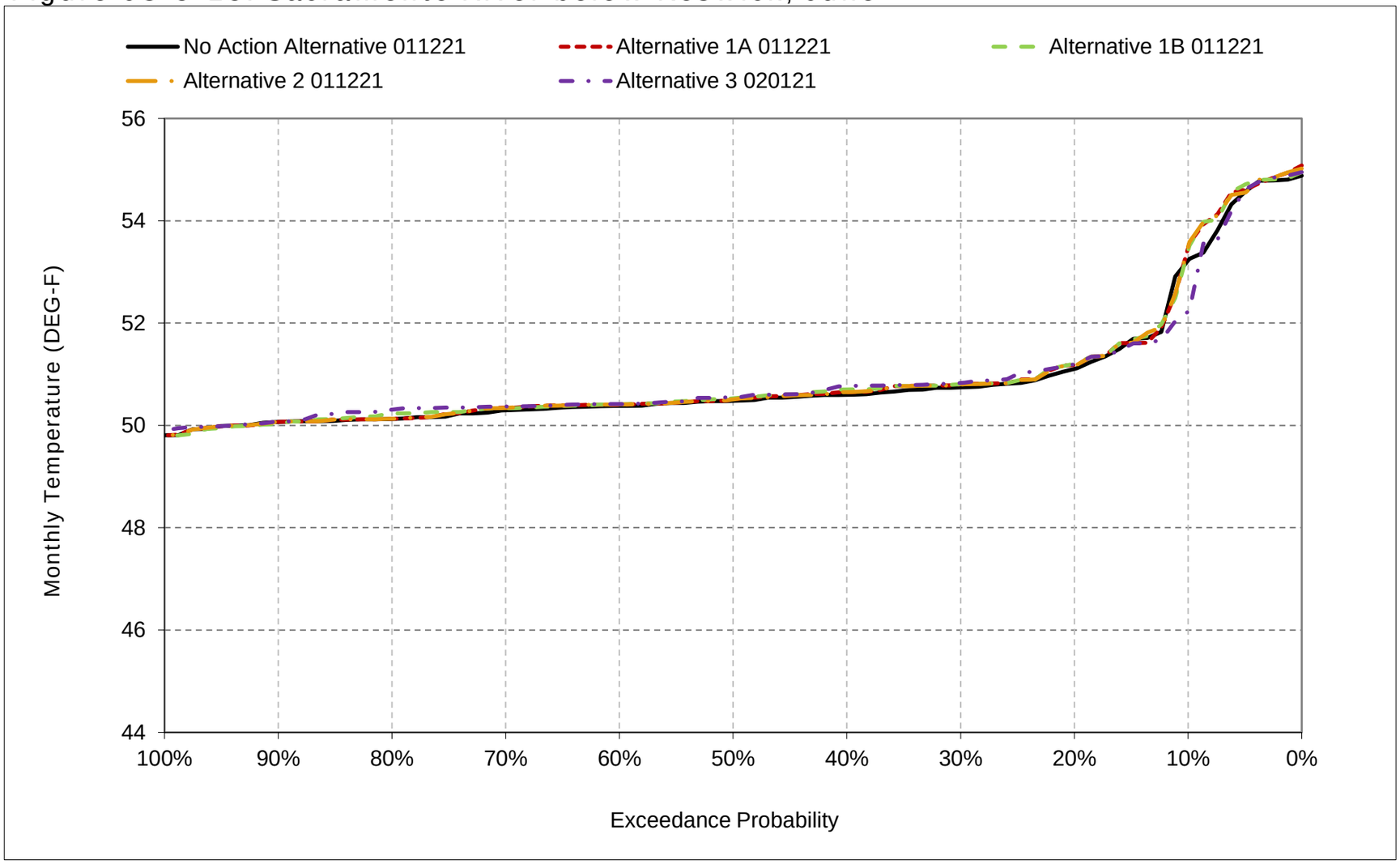
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-5-14. Sacramento River below Keswick, May



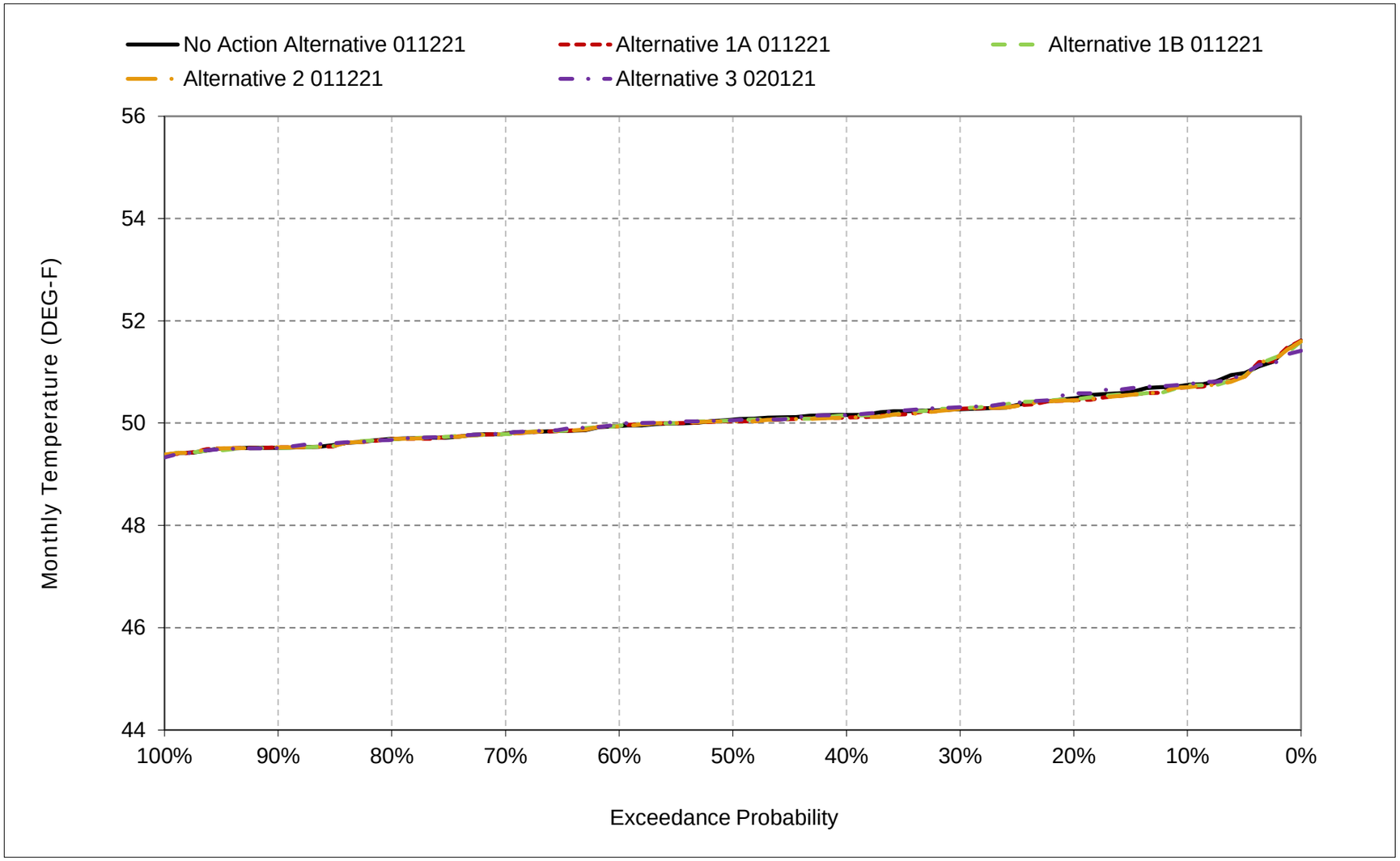
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-5-15. Sacramento River below Keswick, June



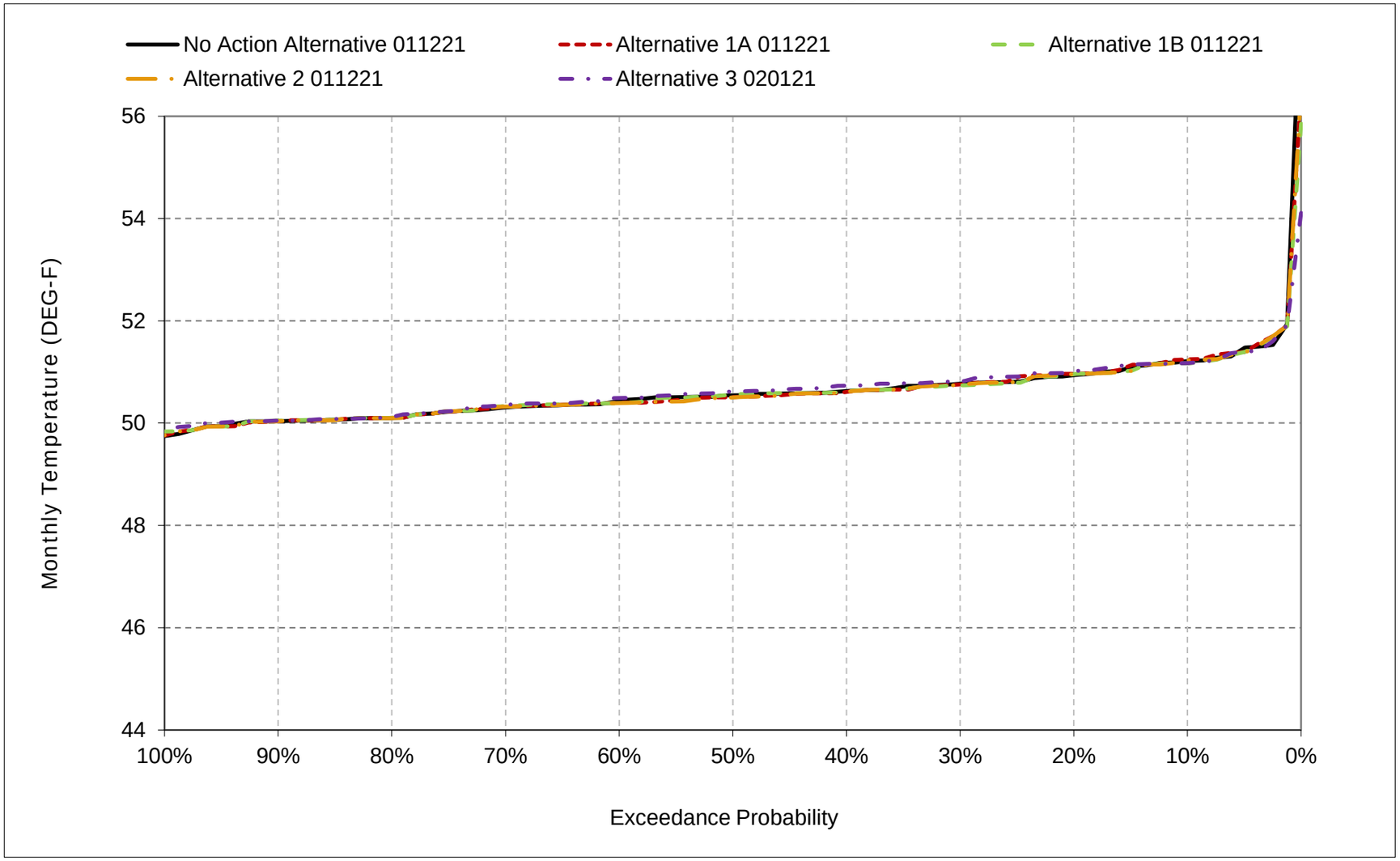
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-5-16. Sacramento River below Keswick, July



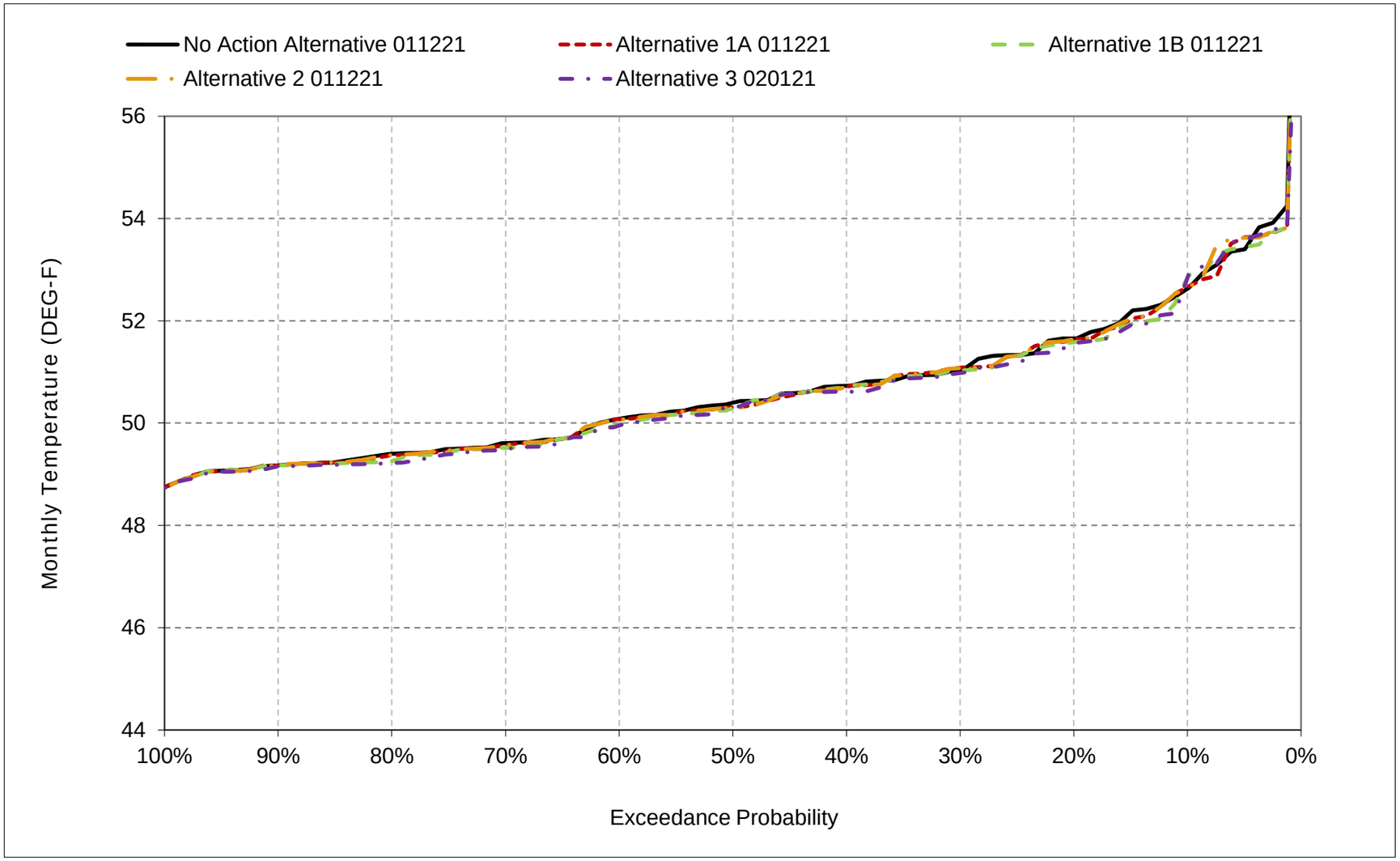
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-5-17. Sacramento River below Keswick, August



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

Figure 6C-5-18. Sacramento River below Keswick, September



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

Table 6C-6-1a. Sacramento River at Clear Creek, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.9	54.5	52.4	48.9	48.4	50.2	54.0	54.4	54.7	52.4	53.0	54.4
20%	53.3	54.3	51.9	48.7	48.0	49.9	53.5	53.6	53.0	52.1	52.6	53.4
30%	52.8	54.2	51.6	47.9	47.4	49.4	53.1	53.3	52.4	51.9	52.3	52.8
40%	52.5	53.9	51.4	47.6	47.0	49.0	52.5	52.9	52.1	51.7	52.1	52.4
50%	52.2	53.8	50.9	47.2	46.7	48.5	52.2	52.6	52.0	51.6	52.0	52.0
60%	52.1	53.6	50.5	47.0	46.0	48.1	51.7	52.2	51.8	51.4	51.9	51.3
70%	51.9	53.5	50.4	46.7	45.5	47.6	51.4	51.7	51.7	51.1	51.7	50.8
80%	51.8	53.2	50.1	46.2	45.1	47.0	51.1	51.4	51.4	50.9	51.4	50.4
90%	51.5	53.0	49.5	45.9	44.7	46.5	49.9	50.8	51.3	50.8	51.3	50.2
Long Term												
Full Simulation Period[a]	52.8	53.8	51.0	47.4	46.5	48.5	52.2	52.6	52.4	51.6	52.1	52.2
Water Year Types[b,c]												
Wet (32%)	52.0	53.9	51.4	46.7	45.5	47.2	51.1	51.8	52.2	51.4	51.7	50.8
Above Normal (15%)	52.2	53.5	50.8	47.3	45.9	47.9	52.1	52.2	51.9	51.1	51.7	51.1
Below Normal (17%)	52.4	53.5	50.6	47.4	46.3	48.8	52.5	52.5	51.8	51.2	52.0	52.2
Dry (22%)	52.7	53.7	50.7	47.9	47.5	49.4	53.4	53.3	52.0	51.7	52.3	52.9
Critical (15%)	55.8	54.5	51.2	48.3	48.2	49.9	52.4	53.6	54.7	52.7	53.5	55.5

Table 6C-6-1b. Sacramento River at Clear Creek, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.9	54.5	52.4	49.0	48.4	50.3	54.0	54.6	54.8	52.3	53.1	54.3
20%	53.3	54.3	51.9	48.7	48.0	49.9	53.5	53.7	53.0	52.1	52.7	53.3
30%	52.8	54.1	51.6	47.9	47.4	49.4	53.1	53.4	52.5	51.9	52.3	52.9
40%	52.4	53.9	51.4	47.7	47.0	48.9	52.6	53.0	52.2	51.6	52.1	52.4
50%	52.2	53.8	51.0	47.2	46.7	48.5	52.3	52.7	52.1	51.5	52.0	51.9
60%	52.1	53.6	50.6	47.0	46.0	48.1	51.8	52.3	51.9	51.3	51.8	51.3
70%	51.9	53.5	50.4	46.7	45.5	47.6	51.5	51.8	51.8	51.1	51.7	50.8
80%	51.8	53.2	50.1	46.2	45.1	47.0	51.1	51.4	51.5	50.9	51.4	50.4
90%	51.4	53.0	49.6	45.9	44.7	46.5	49.9	50.7	51.3	50.8	51.3	50.2
Long Term												
Full Simulation Period[a]	52.8	53.8	51.0	47.4	46.5	48.5	52.2	52.6	52.5	51.6	52.1	52.2
Water Year Types[b,c]												
Wet (32%)	52.0	53.9	51.4	46.7	45.5	47.2	51.1	51.8	52.2	51.4	51.7	50.8
Above Normal (15%)	52.2	53.5	50.8	47.4	45.9	47.9	52.1	52.2	51.9	51.1	51.7	51.1
Below Normal (17%)	52.4	53.5	50.6	47.4	46.3	48.8	52.5	52.6	51.8	51.2	52.0	52.2
Dry (22%)	52.7	53.7	50.7	47.9	47.5	49.5	53.5	53.3	52.1	51.6	52.2	52.8
Critical (15%)	55.8	54.5	51.2	48.3	48.2	49.9	52.3	53.8	54.8	52.7	53.4	55.3

Table 6C-6-1c. Sacramento River at Clear Creek, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	-0.1	0.1	-0.1
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.1	0.0
30%	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1	-0.1
60%	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	-0.1	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	-0.1	-0.1
Critical (15%)	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	-0.1	-0.2

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-6-2a. Sacramento River at Clear Creek, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.9	54.5	52.4	48.9	48.4	50.2	54.0	54.4	54.7	52.4	53.0	54.4
20%	53.3	54.3	51.9	48.7	48.0	49.9	53.5	53.6	53.0	52.1	52.6	53.4
30%	52.8	54.2	51.6	47.9	47.4	49.4	53.1	53.3	52.4	51.9	52.3	52.8
40%	52.5	53.9	51.4	47.6	47.0	49.0	52.5	52.9	52.1	51.7	52.1	52.4
50%	52.2	53.8	50.9	47.2	46.7	48.5	52.2	52.6	52.0	51.6	52.0	52.0
60%	52.1	53.6	50.5	47.0	46.0	48.1	51.7	52.2	51.8	51.4	51.9	51.3
70%	51.9	53.5	50.4	46.7	45.5	47.6	51.4	51.7	51.7	51.1	51.7	50.8
80%	51.8	53.2	50.1	46.2	45.1	47.0	51.1	51.4	51.4	50.9	51.4	50.4
90%	51.5	53.0	49.5	45.9	44.7	46.5	49.9	50.8	51.3	50.8	51.3	50.2
Long Term												
Full Simulation Period[a]	52.8	53.8	51.0	47.4	46.5	48.5	52.2	52.6	52.4	51.6	52.1	52.2
Water Year Types[b,c]												
Wet (32%)	52.0	53.9	51.4	46.7	45.5	47.2	51.1	51.8	52.2	51.4	51.7	50.8
Above Normal (15%)	52.2	53.5	50.8	47.3	45.9	47.9	52.1	52.2	51.9	51.1	51.7	51.1
Below Normal (17%)	52.4	53.5	50.6	47.4	46.3	48.8	52.5	52.5	51.8	51.2	52.0	52.2
Dry (22%)	52.7	53.7	50.7	47.9	47.5	49.4	53.4	53.3	52.0	51.7	52.3	52.9
Critical (15%)	55.8	54.5	51.2	48.3	48.2	49.9	52.4	53.6	54.7	52.7	53.5	55.5

Table 6C-6-2b. Sacramento River at Clear Creek, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.9	54.5	52.4	48.9	48.4	50.3	54.0	54.7	54.8	52.4	52.9	54.5
20%	53.2	54.3	51.9	48.6	48.0	49.9	53.4	53.8	53.1	52.1	52.6	53.3
30%	52.7	54.1	51.7	47.9	47.4	49.4	53.1	53.4	52.5	51.9	52.2	52.8
40%	52.4	53.9	51.3	47.6	47.0	48.9	52.7	53.0	52.2	51.6	52.1	52.4
50%	52.2	53.8	51.0	47.2	46.7	48.4	52.3	52.6	52.1	51.5	52.0	51.9
60%	52.1	53.6	50.7	47.0	46.0	48.1	51.8	52.4	51.9	51.3	51.8	51.2
70%	51.9	53.5	50.3	46.7	45.5	47.6	51.4	51.9	51.8	51.1	51.7	50.7
80%	51.8	53.3	50.1	46.2	45.1	47.0	51.1	51.5	51.6	50.9	51.4	50.4
90%	51.5	53.0	49.5	45.9	44.6	46.5	49.9	50.7	51.3	50.7	51.3	50.2
Long Term												
Full Simulation Period[a]	52.8	53.8	51.0	47.4	46.5	48.5	52.2	52.6	52.5	51.6	52.1	52.1
Water Year Types[b,c]												
Wet (32%)	52.0	53.9	51.4	46.7	45.5	47.2	51.1	51.8	52.2	51.4	51.7	50.8
Above Normal (15%)	52.1	53.4	50.8	47.4	45.9	47.9	52.1	52.2	52.2	51.2	51.7	50.9
Below Normal (17%)	52.4	53.5	50.5	47.4	46.3	48.8	52.5	52.7	51.9	51.2	52.0	52.1
Dry (22%)	52.7	53.7	50.7	47.9	47.5	49.5	53.6	53.3	52.0	51.6	52.3	52.8
Critical (15%)	55.8	54.6	51.3	48.3	48.2	49.9	52.3	53.8	54.8	52.7	53.3	55.3

Table 6C-6-2c. Sacramento River at Clear Creek, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	-0.1	0.1
20%	-0.1	0.0	0.0	-0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	-0.1
30%	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	-0.1
60%	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	-0.1
70%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0
80%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	-0.2
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	-0.1
Dry (22%)	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	0.0	-0.1
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	-0.2	-0.2

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-6-3a. Sacramento River at Clear Creek, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.9	54.5	52.4	48.9	48.4	50.2	54.0	54.4	54.7	52.4	53.0	54.4
20%	53.3	54.3	51.9	48.7	48.0	49.9	53.5	53.6	53.0	52.1	52.6	53.4
30%	52.8	54.2	51.6	47.9	47.4	49.4	53.1	53.3	52.4	51.9	52.3	52.8
40%	52.5	53.9	51.4	47.6	47.0	49.0	52.5	52.9	52.1	51.7	52.1	52.4
50%	52.2	53.8	50.9	47.2	46.7	48.5	52.2	52.6	52.0	51.6	52.0	52.0
60%	52.1	53.6	50.5	47.0	46.0	48.1	51.7	52.2	51.8	51.4	51.9	51.3
70%	51.9	53.5	50.4	46.7	45.5	47.6	51.4	51.7	51.7	51.1	51.7	50.8
80%	51.8	53.2	50.1	46.2	45.1	47.0	51.1	51.4	51.4	50.9	51.4	50.4
90%	51.5	53.0	49.5	45.9	44.7	46.5	49.9	50.8	51.3	50.8	51.3	50.2
Long Term												
Full Simulation Period[a]	52.8	53.8	51.0	47.4	46.5	48.5	52.2	52.6	52.4	51.6	52.1	52.2
Water Year Types[b,c]												
Wet (32%)	52.0	53.9	51.4	46.7	45.5	47.2	51.1	51.8	52.2	51.4	51.7	50.8
Above Normal (15%)	52.2	53.5	50.8	47.3	45.9	47.9	52.1	52.2	51.9	51.1	51.7	51.1
Below Normal (17%)	52.4	53.5	50.6	47.4	46.3	48.8	52.5	52.5	51.8	51.2	52.0	52.2
Dry (22%)	52.7	53.7	50.7	47.9	47.5	49.4	53.4	53.3	52.0	51.7	52.3	52.9
Critical (15%)	55.8	54.5	51.2	48.3	48.2	49.9	52.4	53.6	54.7	52.7	53.5	55.5

Table 6C-6-3b. Sacramento River at Clear Creek, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.9	54.5	52.4	49.0	48.4	50.3	54.0	54.8	54.9	52.3	53.0	54.3
20%	53.3	54.3	51.9	48.7	48.0	49.9	53.5	53.7	53.0	52.1	52.7	53.3
30%	52.8	54.1	51.7	47.9	47.4	49.4	53.1	53.4	52.5	51.9	52.3	52.9
40%	52.4	53.9	51.4	47.7	47.0	48.9	52.6	53.0	52.2	51.6	52.1	52.4
50%	52.2	53.8	51.0	47.2	46.7	48.5	52.3	52.6	52.0	51.5	52.0	51.9
60%	52.1	53.6	50.6	47.0	46.0	48.1	51.8	52.3	51.9	51.3	51.8	51.3
70%	51.9	53.5	50.3	46.7	45.5	47.6	51.5	51.8	51.8	51.1	51.7	50.8
80%	51.8	53.2	50.1	46.3	45.1	47.0	51.1	51.4	51.5	50.9	51.4	50.4
90%	51.5	53.0	49.6	45.9	44.7	46.5	49.9	50.8	51.3	50.8	51.3	50.2
Long Term												
Full Simulation Period[a]	52.8	53.8	51.0	47.4	46.5	48.5	52.2	52.6	52.5	51.6	52.1	52.2
Water Year Types[b,c]												
Wet (32%)	52.0	53.9	51.4	46.7	45.5	47.2	51.1	51.8	52.2	51.4	51.7	50.8
Above Normal (15%)	52.1	53.5	50.8	47.4	45.9	47.9	52.1	52.2	51.9	51.1	51.7	51.1
Below Normal (17%)	52.4	53.5	50.6	47.4	46.3	48.8	52.5	52.6	51.8	51.2	52.0	52.2
Dry (22%)	52.7	53.7	50.7	47.9	47.5	49.5	53.5	53.3	52.1	51.6	52.2	52.8
Critical (15%)	55.9	54.6	51.2	48.3	48.2	49.9	52.4	53.8	54.8	52.7	53.3	55.4

Table 6C-6-3c. Sacramento River at Clear Creek, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	-0.1	0.0	-0.1
20%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.1	-0.1
30%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.1
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1	-0.1
60%	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1	0.0
70%	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	-0.1	-0.1
Critical (15%)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	-0.2	-0.1

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-6-4a. Sacramento River at Clear Creek, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.9	54.5	52.4	48.9	48.4	50.2	54.0	54.4	54.7	52.4	53.0	54.4
20%	53.3	54.3	51.9	48.7	48.0	49.9	53.5	53.6	53.0	52.1	52.6	53.4
30%	52.8	54.2	51.6	47.9	47.4	49.4	53.1	53.3	52.4	51.9	52.3	52.8
40%	52.5	53.9	51.4	47.6	47.0	49.0	52.5	52.9	52.1	51.7	52.1	52.4
50%	52.2	53.8	50.9	47.2	46.7	48.5	52.2	52.6	52.0	51.6	52.0	52.0
60%	52.1	53.6	50.5	47.0	46.0	48.1	51.7	52.2	51.8	51.4	51.9	51.3
70%	51.9	53.5	50.4	46.7	45.5	47.6	51.4	51.7	51.7	51.1	51.7	50.8
80%	51.8	53.2	50.1	46.2	45.1	47.0	51.1	51.4	51.4	50.9	51.4	50.4
90%	51.5	53.0	49.5	45.9	44.7	46.5	49.9	50.8	51.3	50.8	51.3	50.2
Long Term												
Full Simulation Period[a]	52.8	53.8	51.0	47.4	46.5	48.5	52.2	52.6	52.4	51.6	52.1	52.2
Water Year Types[b,c]												
Wet (32%)	52.0	53.9	51.4	46.7	45.5	47.2	51.1	51.8	52.2	51.4	51.7	50.8
Above Normal (15%)	52.2	53.5	50.8	47.3	45.9	47.9	52.1	52.2	51.9	51.1	51.7	51.1
Below Normal (17%)	52.4	53.5	50.6	47.4	46.3	48.8	52.5	52.5	51.8	51.2	52.0	52.2
Dry (22%)	52.7	53.7	50.7	47.9	47.5	49.4	53.4	53.3	52.0	51.7	52.3	52.9
Critical (15%)	55.8	54.5	51.2	48.3	48.2	49.9	52.4	53.6	54.7	52.7	53.5	55.5

Table 6C-6-4b. Sacramento River at Clear Creek, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.7	54.5	52.4	49.0	48.4	50.3	54.0	54.5	53.9	52.6	52.9	54.6
20%	53.2	54.3	51.8	48.6	48.0	49.9	53.4	53.7	53.0	52.2	52.7	53.3
30%	52.6	54.1	51.7	47.9	47.4	49.4	53.3	53.4	52.5	51.9	52.5	52.7
40%	52.4	53.9	51.2	47.6	47.0	48.8	52.8	53.0	52.3	51.7	52.3	52.3
50%	52.2	53.7	50.9	47.3	46.7	48.5	52.3	52.7	52.1	51.6	52.0	51.9
60%	52.0	53.6	50.7	47.0	46.0	48.1	51.8	52.3	51.9	51.4	51.9	51.2
70%	51.9	53.4	50.4	46.7	45.5	47.6	51.4	51.8	51.8	51.2	51.8	50.7
80%	51.7	53.2	50.1	46.2	45.1	47.0	51.1	51.5	51.7	50.9	51.4	50.4
90%	51.5	53.0	49.6	45.9	44.6	46.5	49.9	50.8	51.3	50.8	51.3	50.1
Long Term												
Full Simulation Period[a]	52.7	53.8	51.0	47.4	46.5	48.5	52.2	52.6	52.5	51.6	52.1	52.1
Water Year Types[b,c]												
Wet (32%)	52.0	53.9	51.4	46.7	45.5	47.2	51.1	51.8	52.2	51.4	51.7	50.8
Above Normal (15%)	52.0	53.4	50.7	47.4	45.9	47.9	52.1	52.2	52.3	51.3	52.0	50.7
Below Normal (17%)	52.3	53.5	50.5	47.4	46.3	48.8	52.5	52.7	52.1	51.3	52.0	52.0
Dry (22%)	52.6	53.6	50.7	47.9	47.5	49.4	53.6	53.3	52.1	51.7	52.3	52.8
Critical (15%)	55.6	54.6	51.4	48.3	48.2	49.8	52.4	53.7	54.5	52.6	53.1	55.1

Table 6C-6-4c. Sacramento River at Clear Creek, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	-0.8	0.2	-0.1	0.2
20%	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.1	-0.1
30%	-0.2	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.1	0.1	0.2	-0.1
40%	0.0	0.0	-0.1	-0.1	0.0	-0.2	0.2	0.1	0.2	0.0	0.1	-0.1
50%	0.0	-0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.0	0.0	-0.1
60%	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	-0.1
70%	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
80%	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.3	0.0	0.0	0.0
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.2
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.3	-0.4
Below Normal (17%)	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	-0.1
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.0	-0.1
Critical (15%)	-0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.1	-0.2	-0.1	-0.4	-0.4

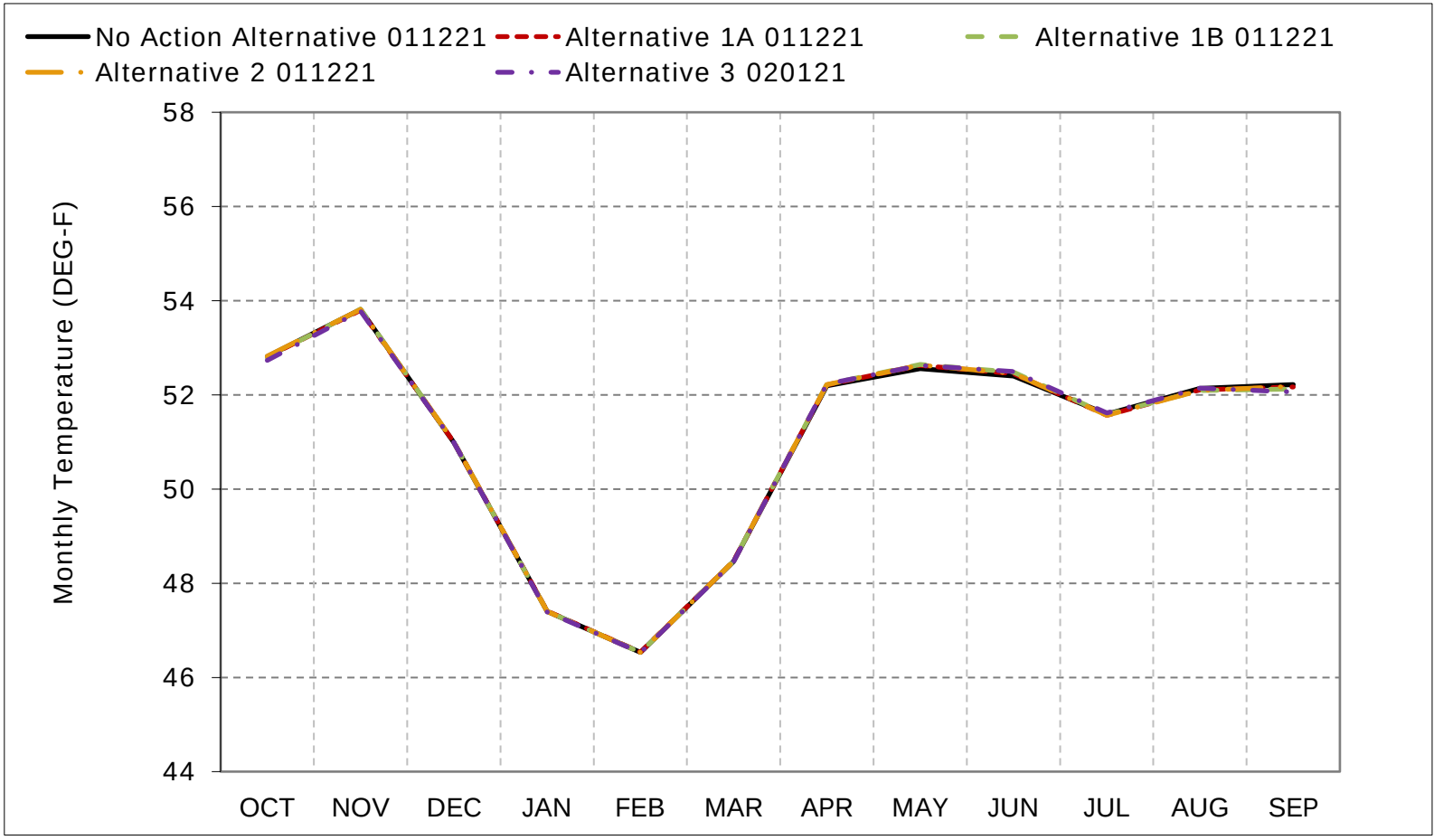
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

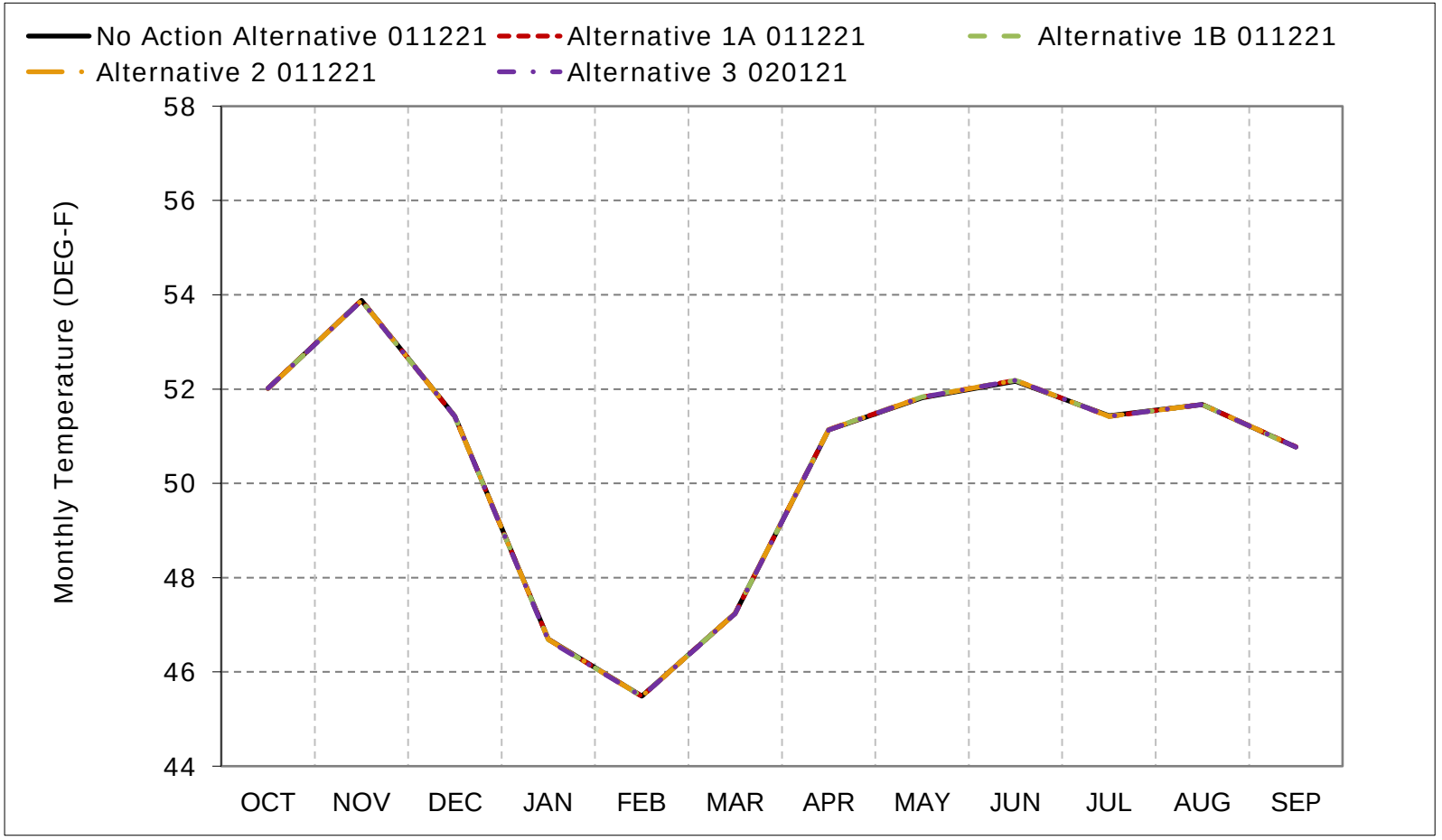
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-6-1. Sacramento River at Clear Creek, Long-Term Average Temperature



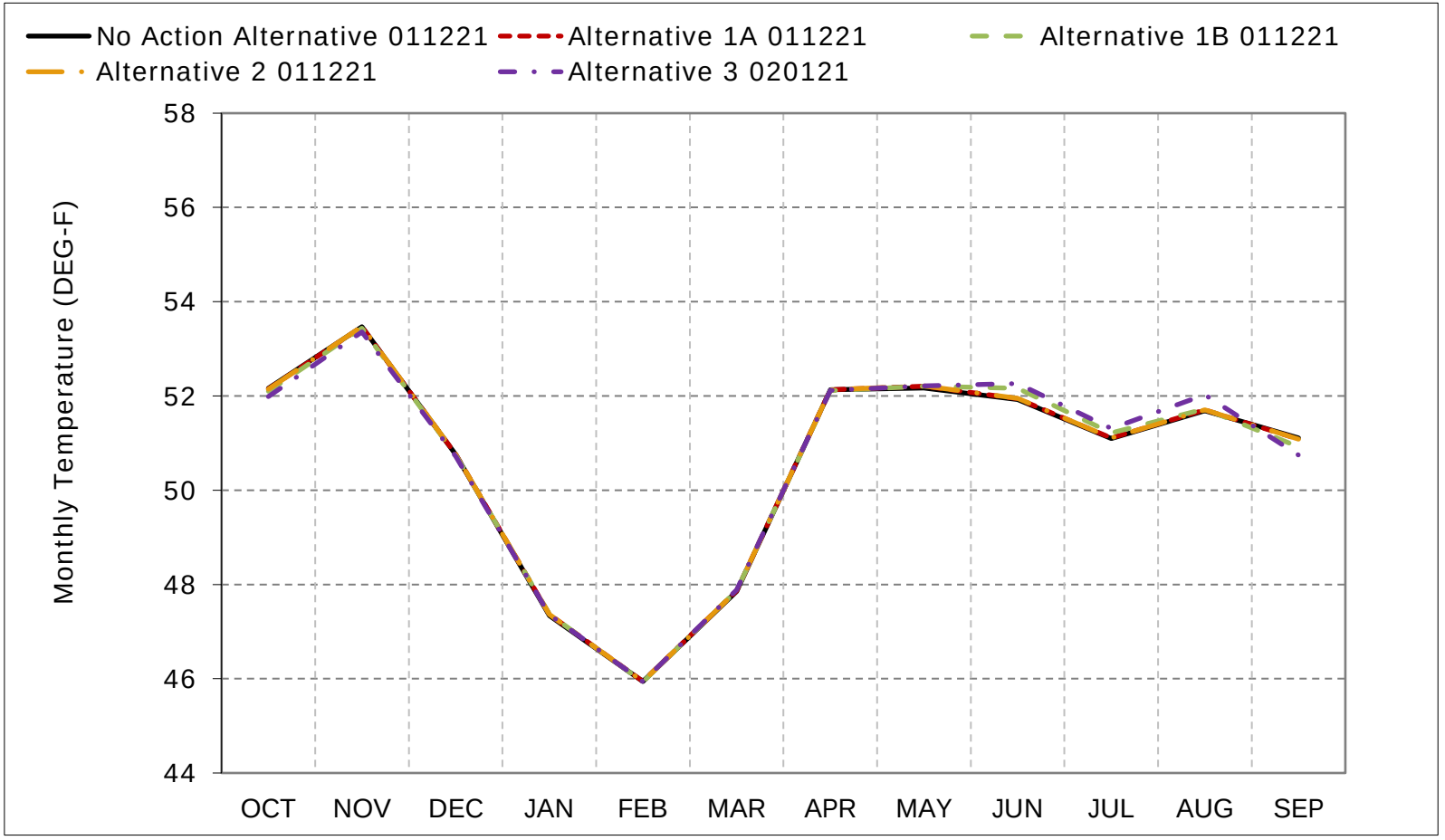
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-6-2. Sacramento River at Clear Creek, Wet Year Average Temperature



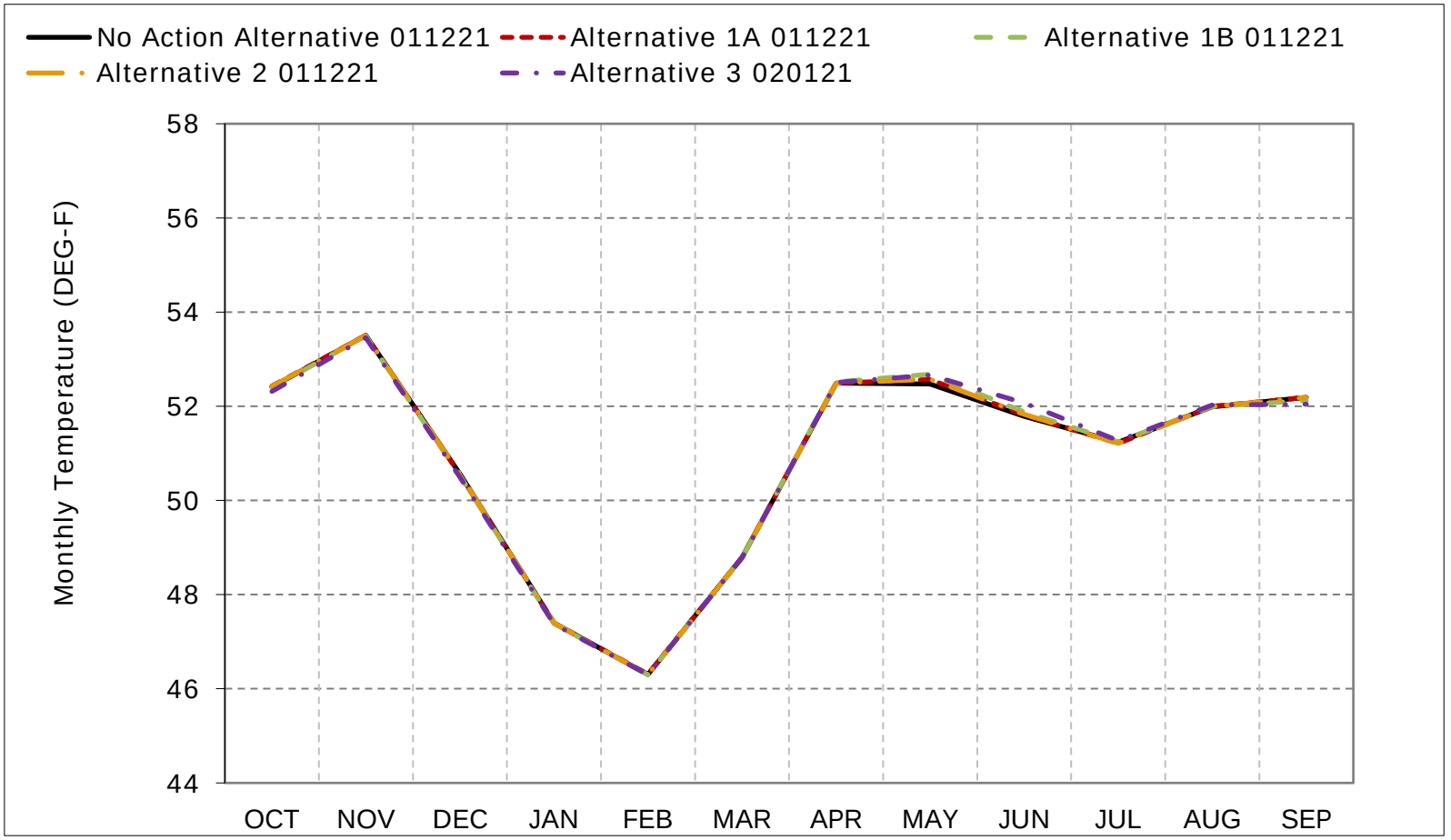
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-6-3. Sacramento River at Clear Creek, Above Normal Year Average Temperat



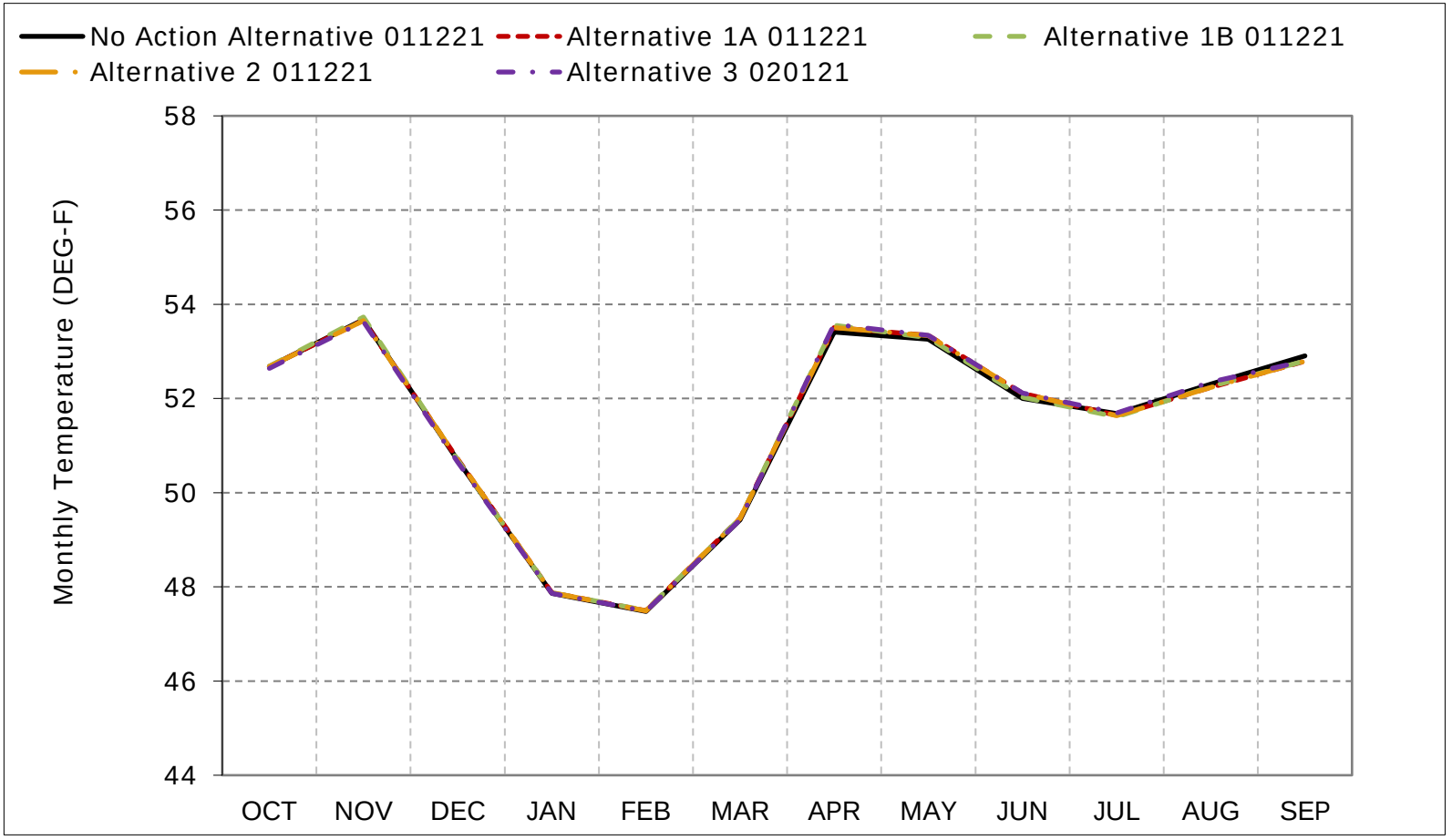
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-6-4. Sacramento River at Clear Creek, Below Normal Year Average Temperat



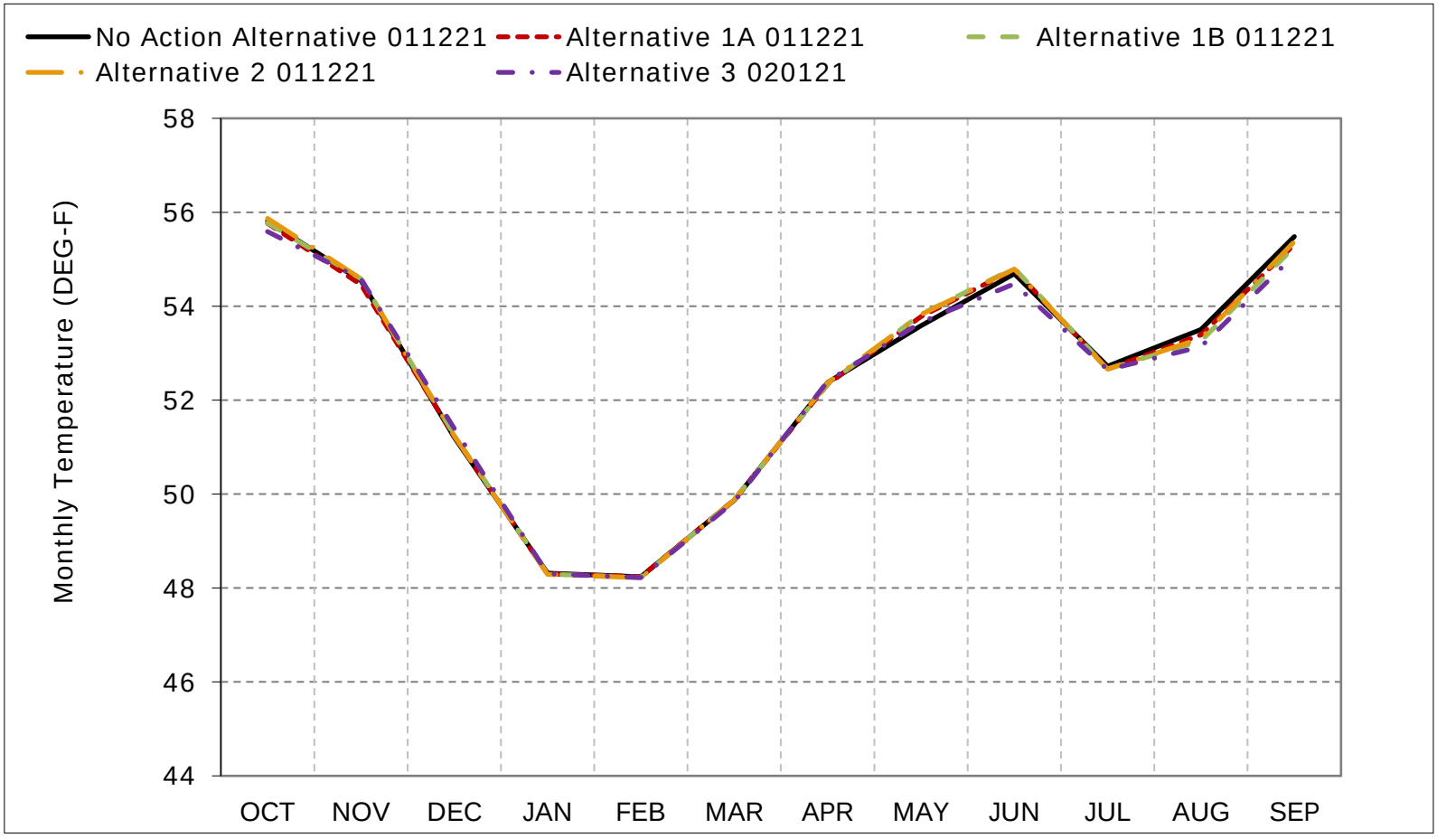
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-6-5. Sacramento River at Clear Creek, Dry Year Average Temperature



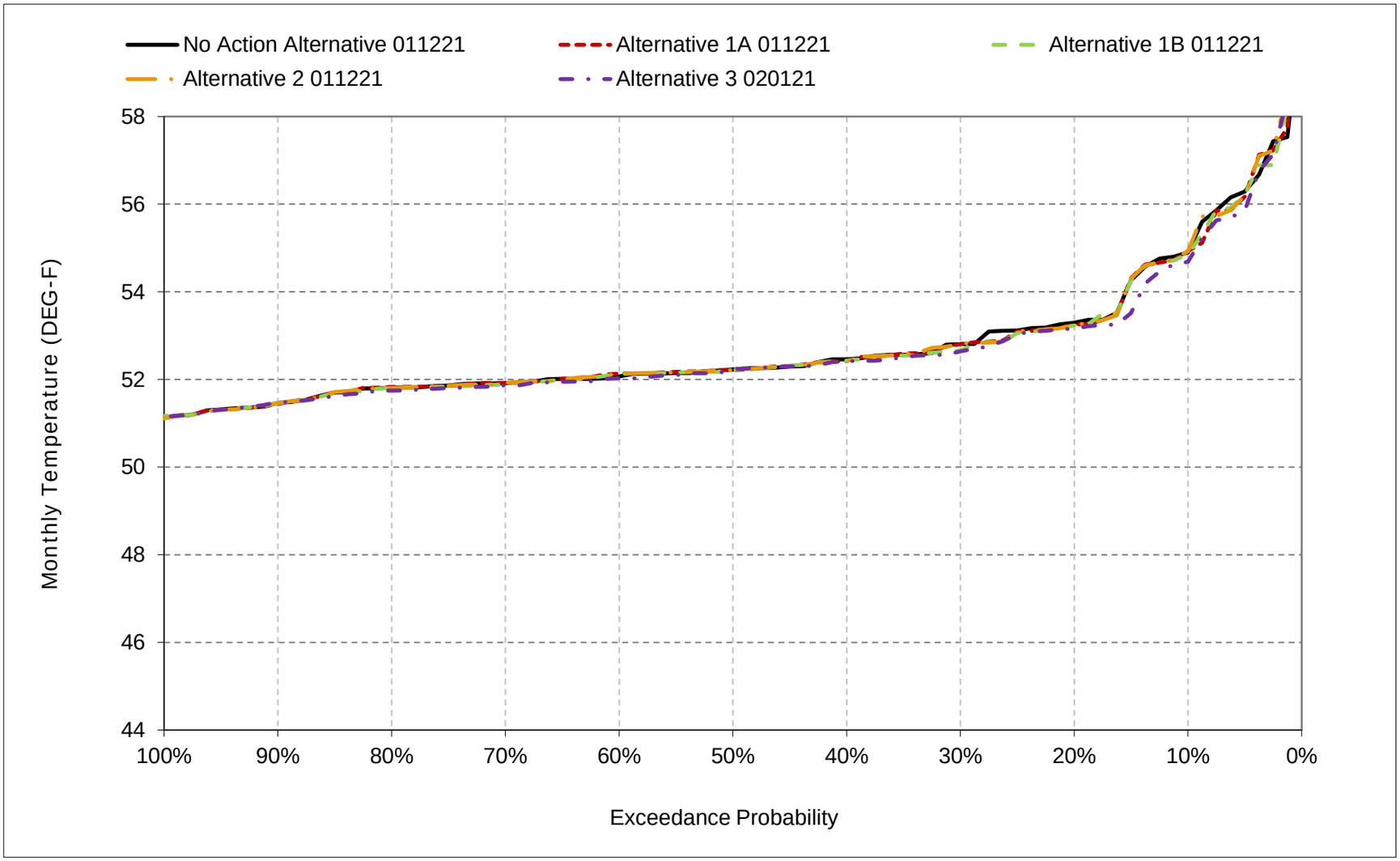
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-6-6. Sacramento River at Clear Creek, Critical Year Average Temperature



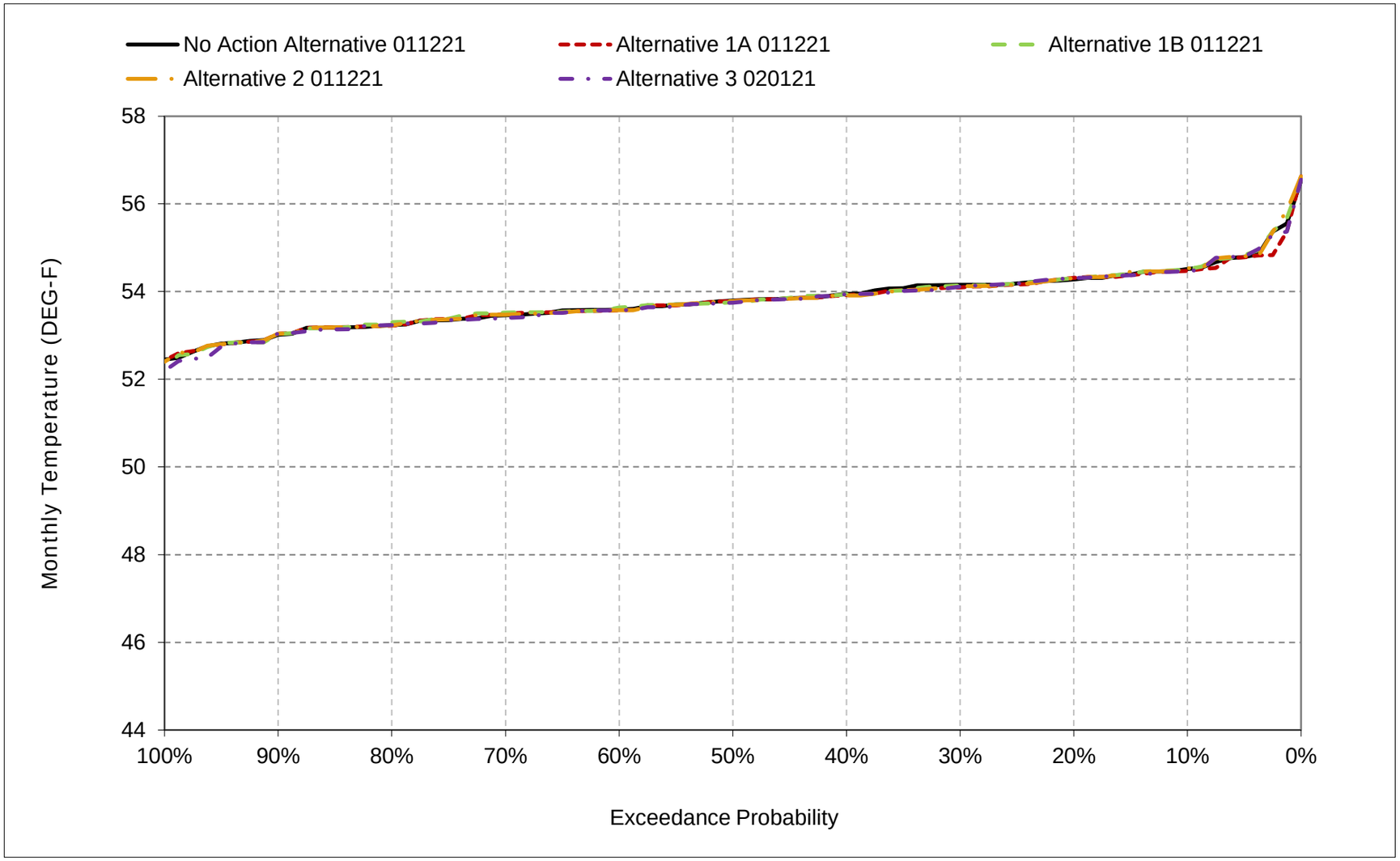
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-6-7. Sacramento River at Clear Creek, October



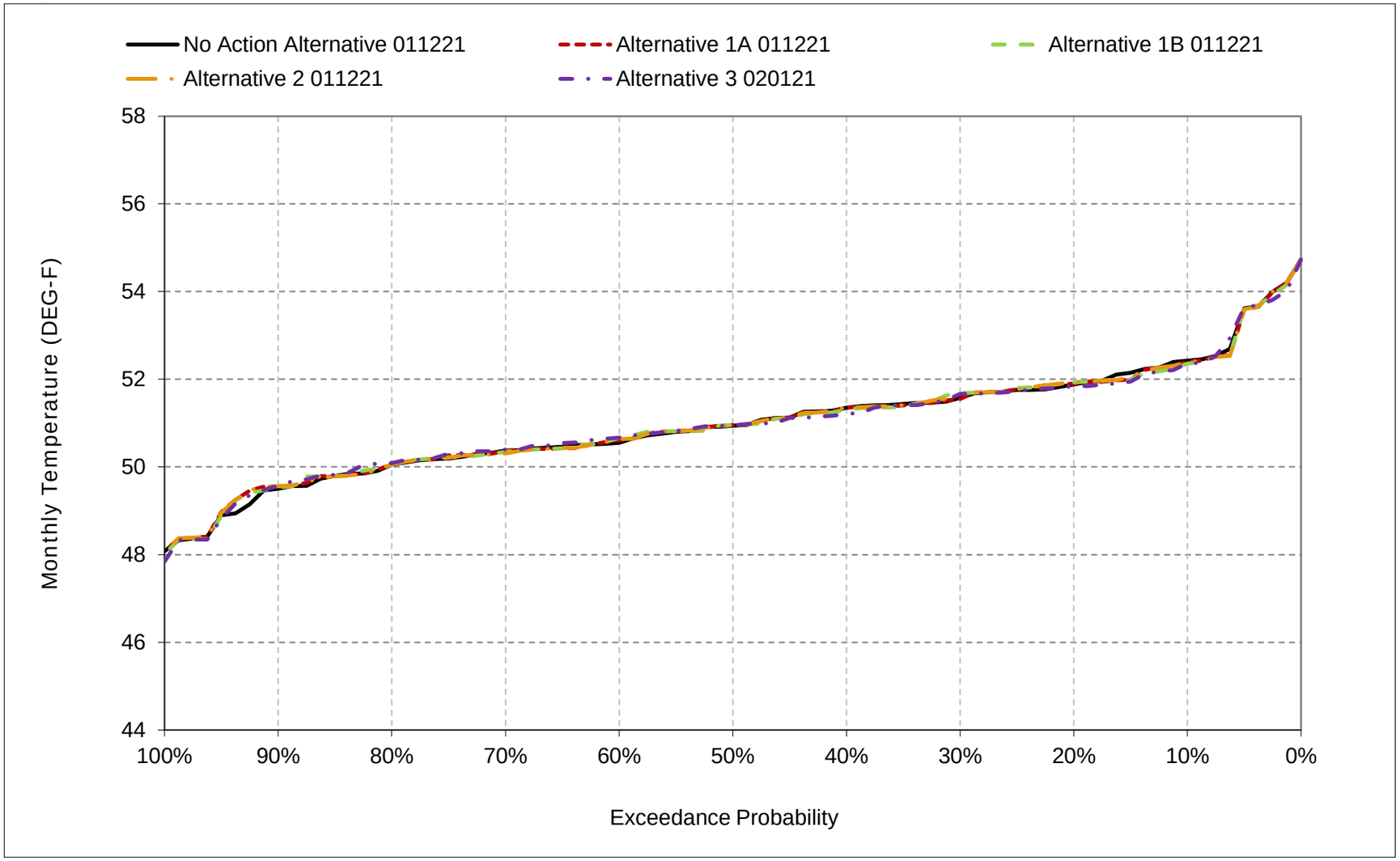
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-6-8. Sacramento River at Clear Creek, November



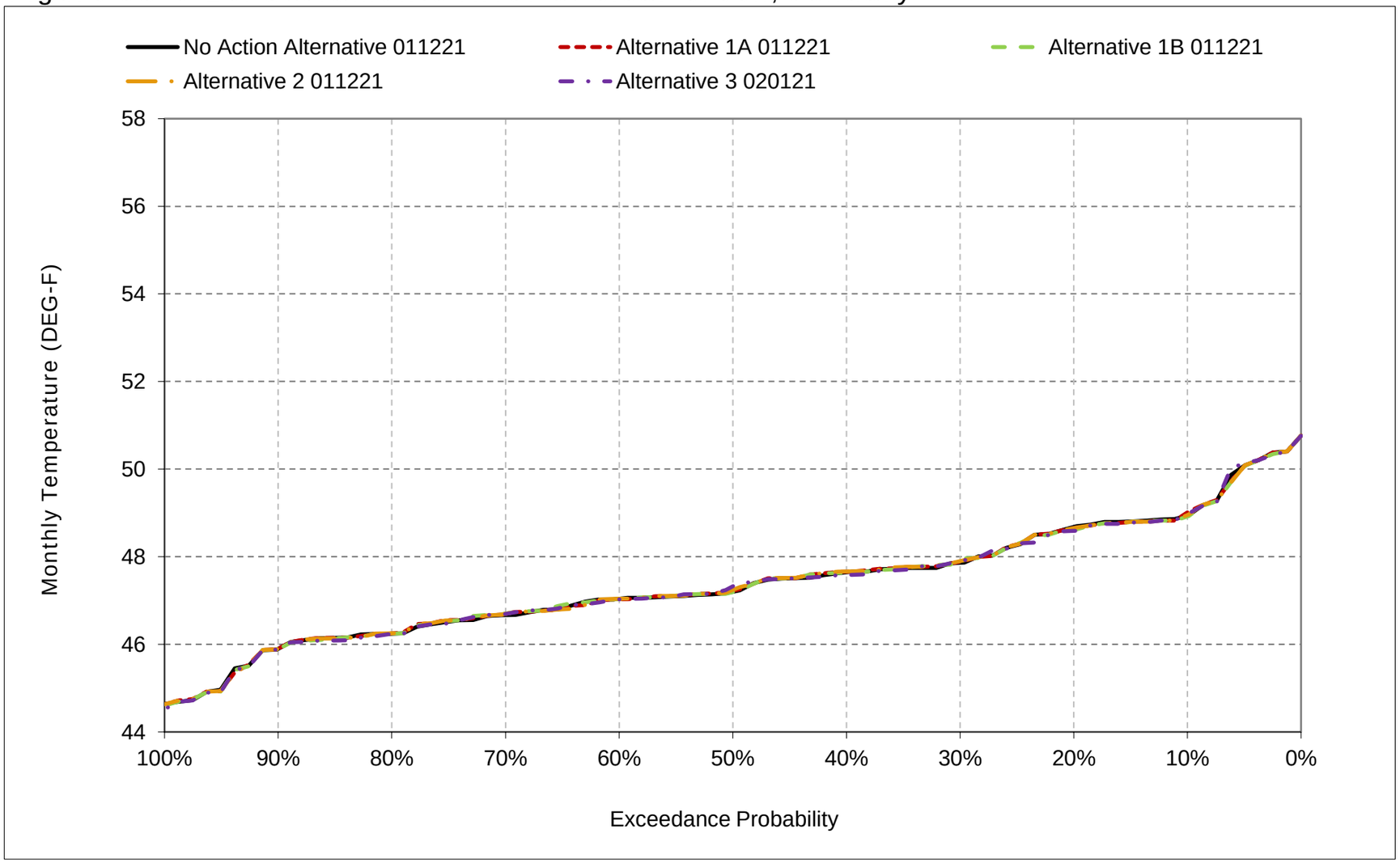
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-6-9. Sacramento River at Clear Creek, December



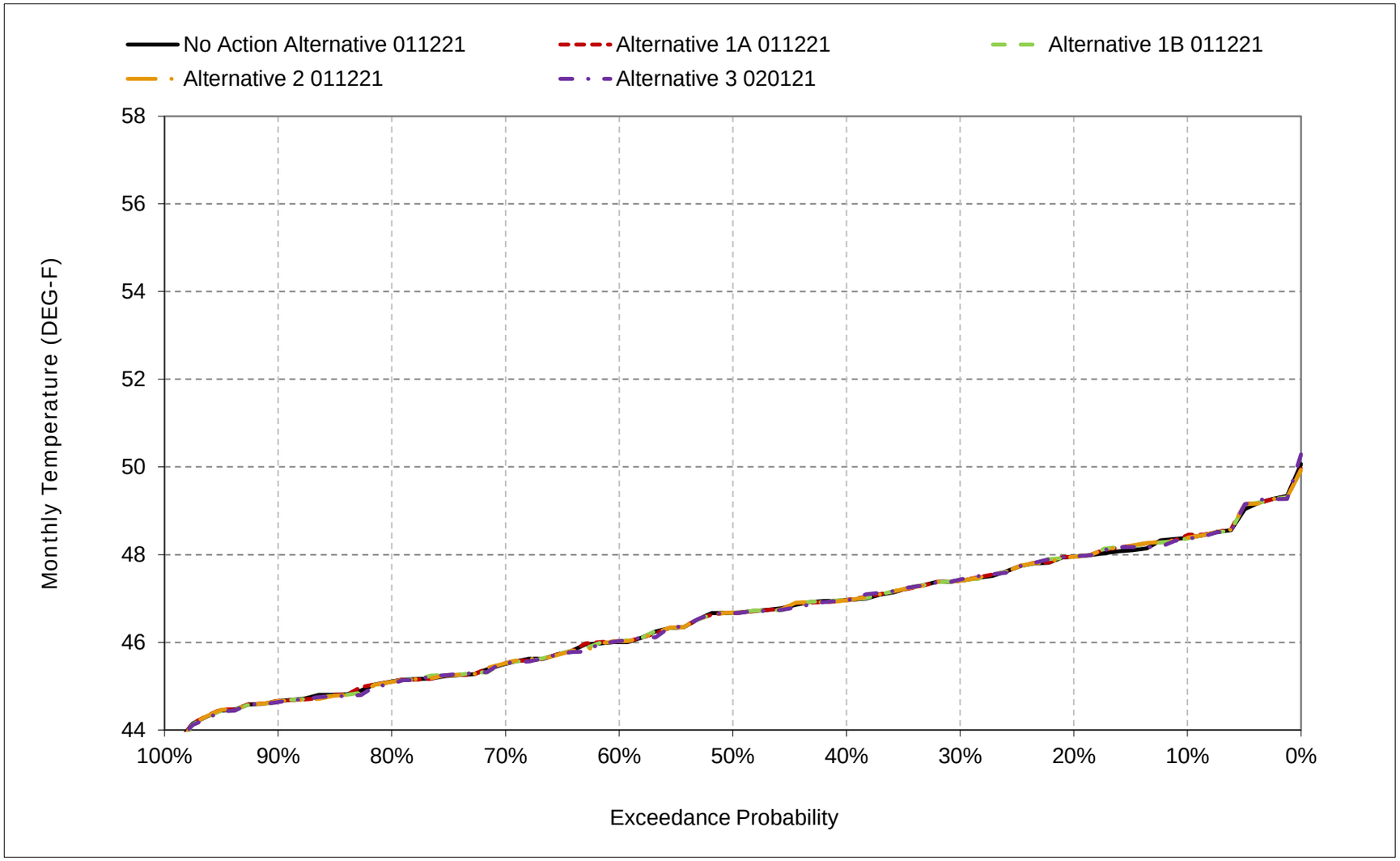
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-6-10. Sacramento River at Clear Creek, January



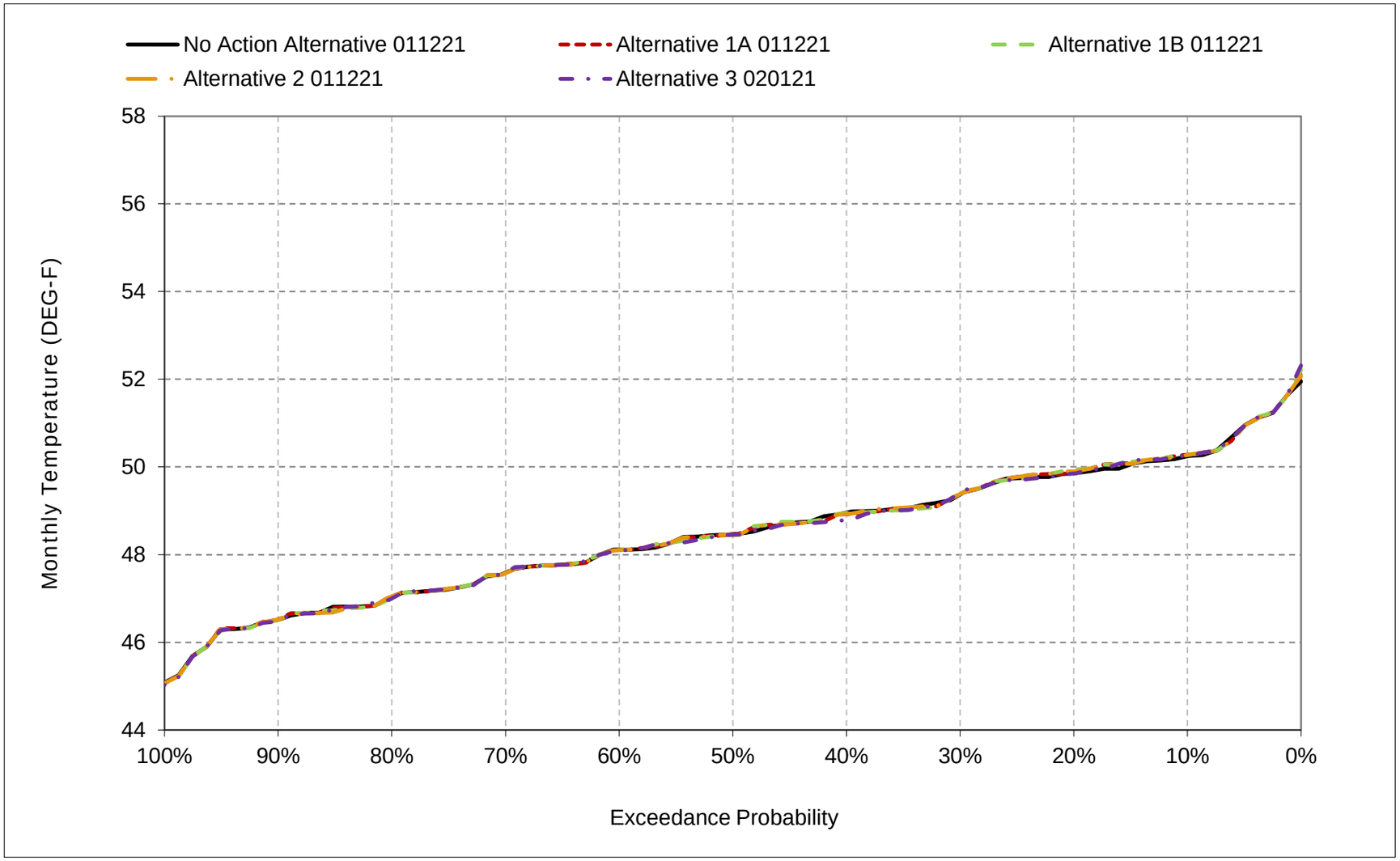
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-6-11. Sacramento River at Clear Creek, February



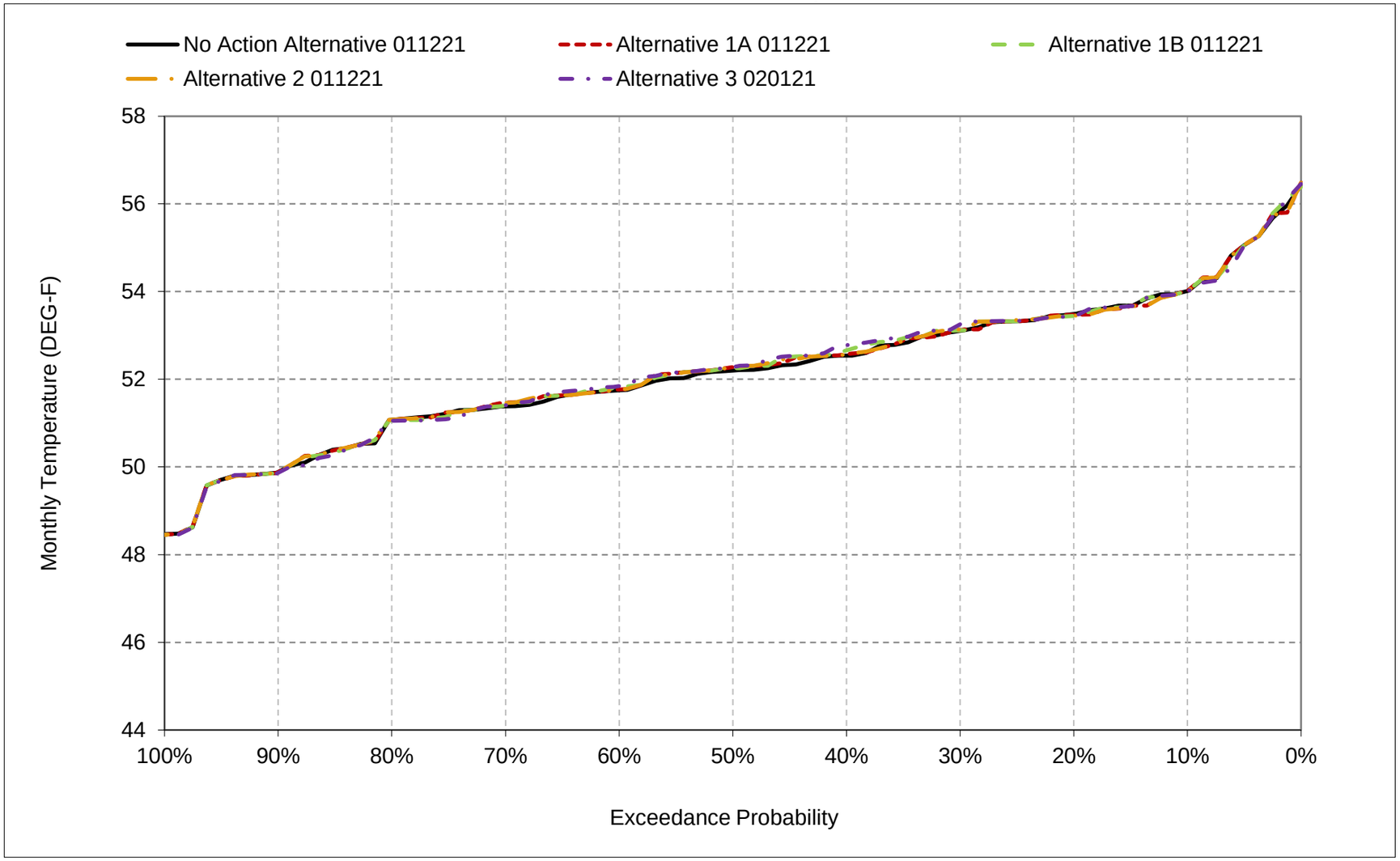
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-6-12. Sacramento River at Clear Creek, March



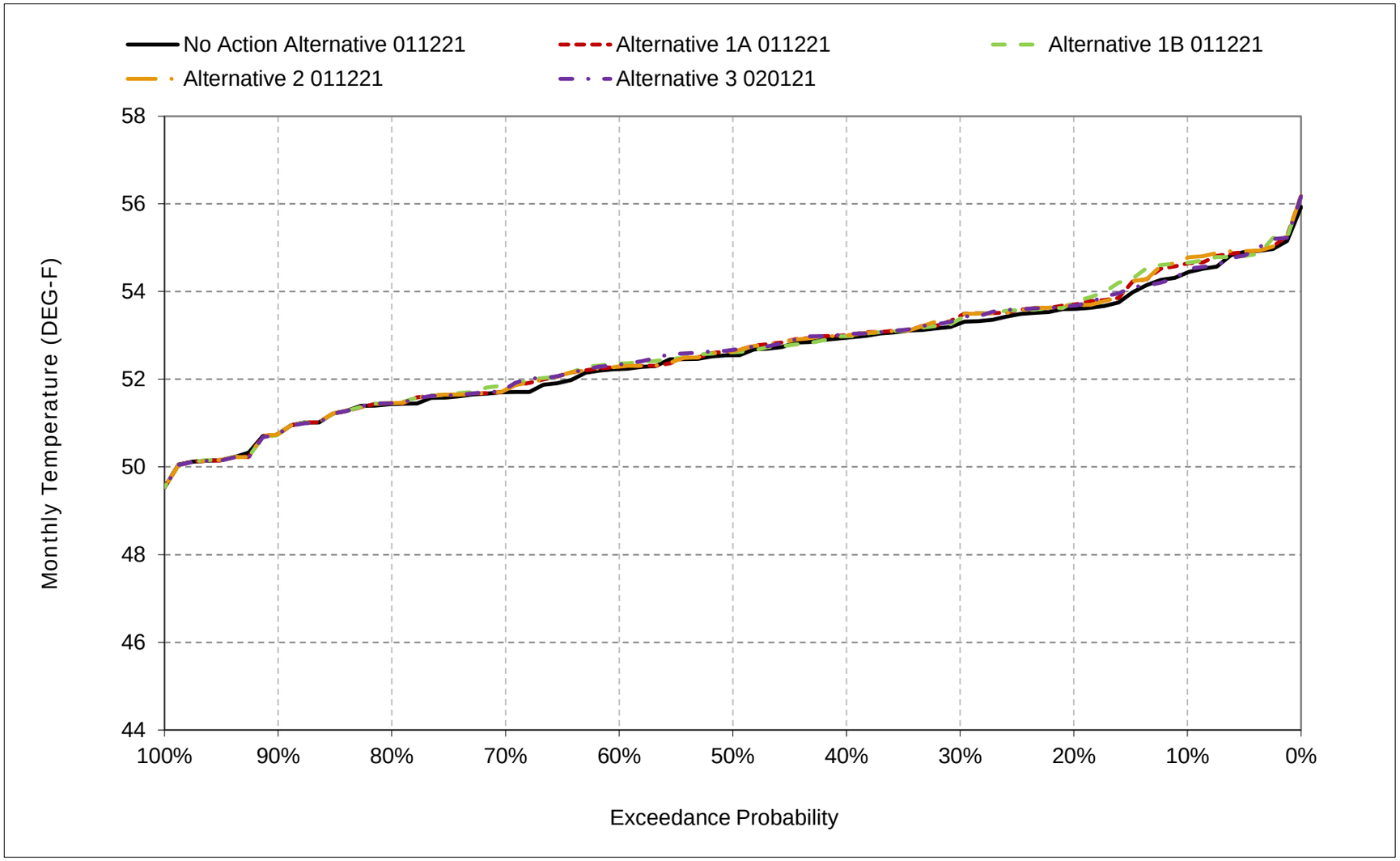
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-6-13. Sacramento River at Clear Creek, April



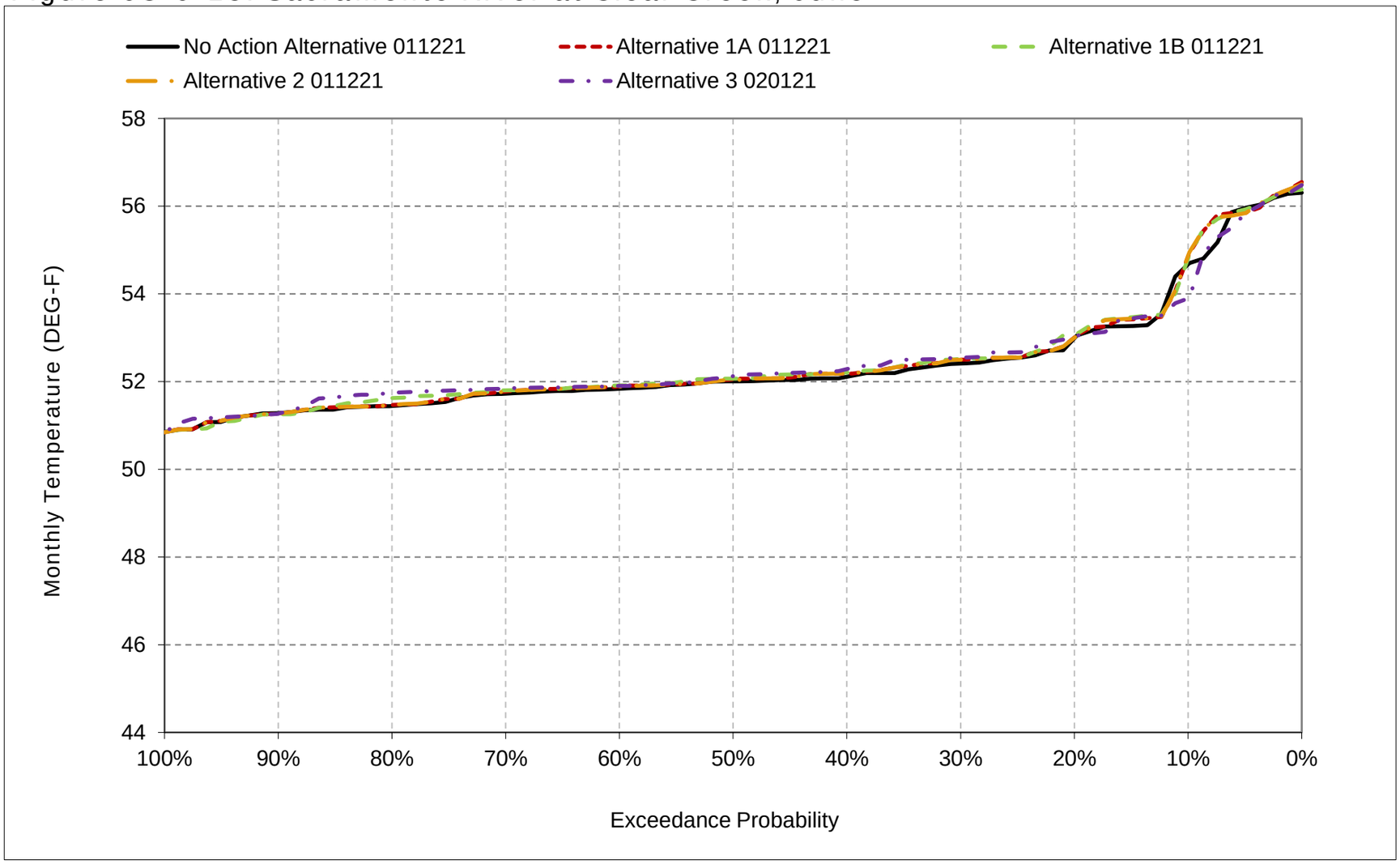
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-6-14. Sacramento River at Clear Creek, May



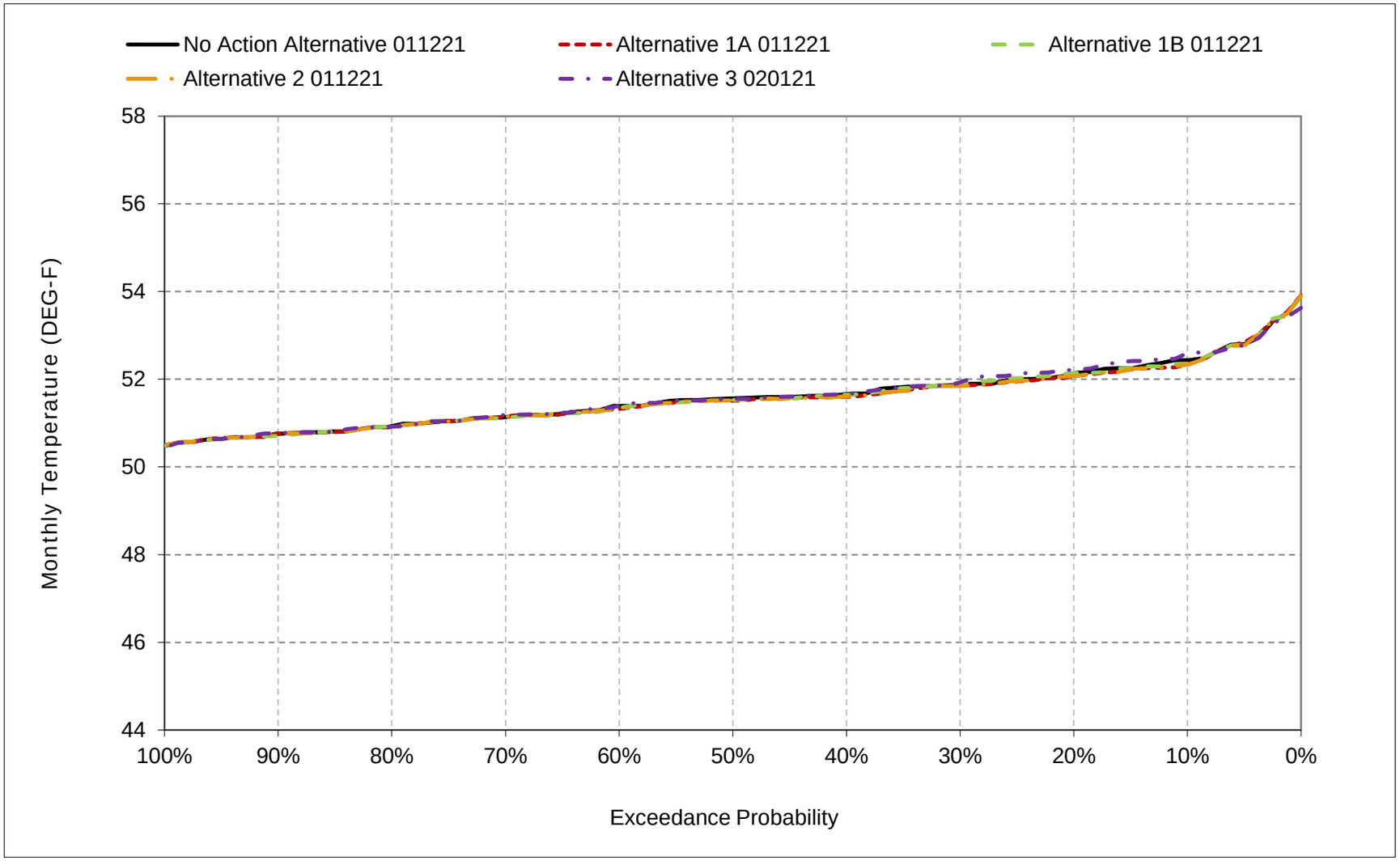
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-6-15. Sacramento River at Clear Creek, June



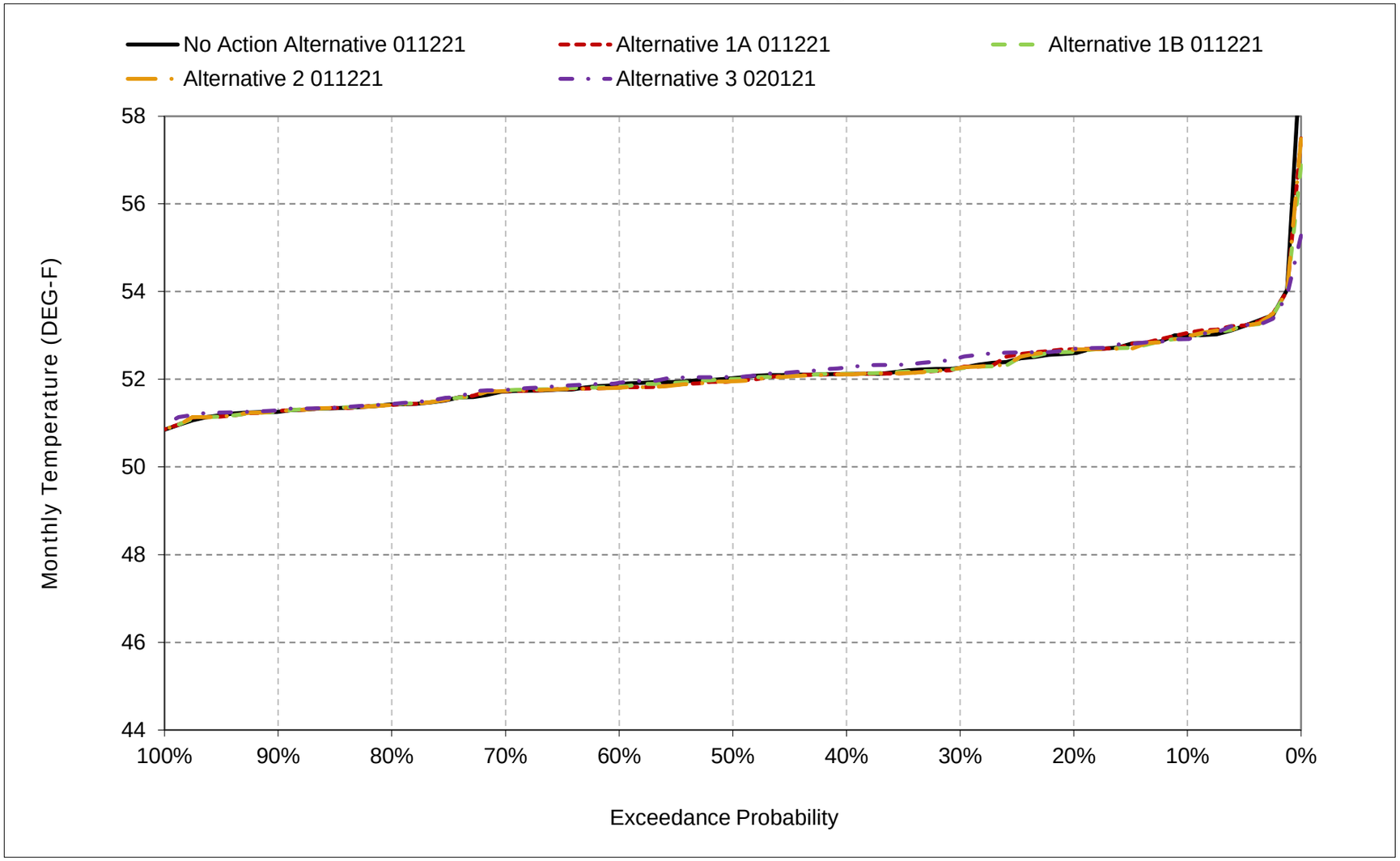
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-6-16. Sacramento River at Clear Creek, July



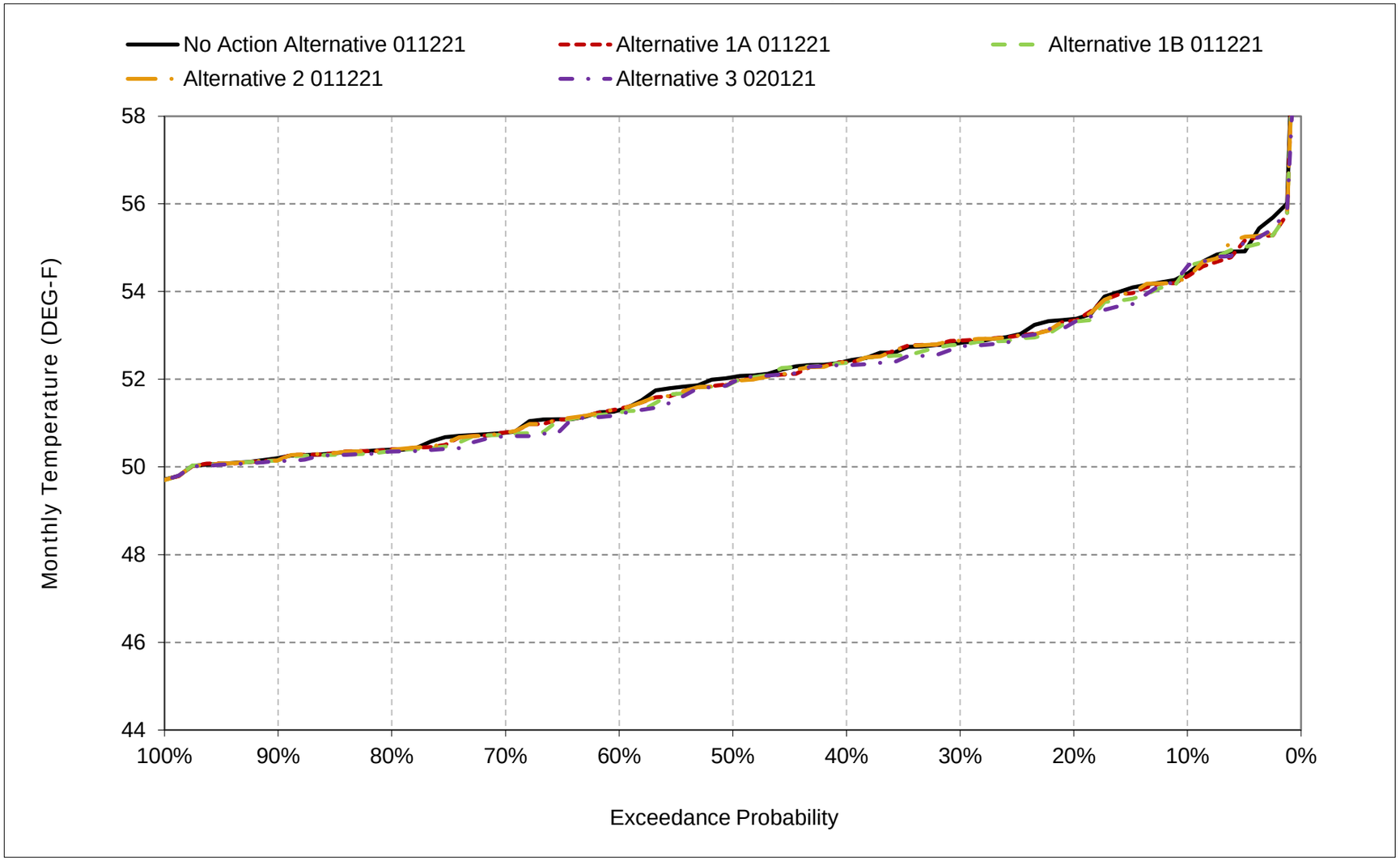
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-6-17. Sacramento River at Clear Creek, August



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

Figure 6C-6-18. Sacramento River at Clear Creek, September



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

Table 6C-7-1a. Sacramento River at Balls Ferry, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.4	54.4	51.9	48.7	48.4	50.9	55.3	56.0	55.8	53.8	54.4	55.8
20%	54.1	54.1	51.3	48.1	48.0	50.4	54.6	55.1	54.6	53.6	54.0	54.9
30%	53.6	54.0	50.6	47.4	47.7	50.0	54.4	54.7	54.3	53.3	53.6	54.2
40%	53.1	53.7	50.3	47.0	47.1	49.6	53.8	54.5	54.0	53.1	53.4	53.7
50%	52.8	53.5	50.0	46.8	46.8	49.1	53.4	54.1	53.7	52.9	53.2	53.3
60%	52.7	53.3	49.7	46.5	46.3	48.7	53.0	53.7	53.4	52.6	53.0	52.4
70%	52.5	52.9	49.5	46.3	45.6	48.3	52.6	53.2	53.1	52.4	52.9	51.9
80%	52.3	52.7	49.0	45.9	45.3	47.6	52.1	52.9	52.8	52.0	52.6	51.3
90%	51.9	52.4	48.1	45.6	45.0	47.1	50.9	52.3	52.4	51.9	52.4	51.1
Long Term												
Full Simulation Period[a]	53.4	53.4	50.1	46.9	46.7	49.1	53.3	54.1	53.9	52.9	53.4	53.4
Water Year Types[b,c]												
Wet (32%)	52.5	53.6	50.6	46.4	45.7	47.8	52.2	53.5	54.1	52.8	52.9	51.7
Above Normal (15%)	52.8	53.1	49.8	46.8	46.2	48.4	53.3	53.8	53.6	52.3	52.9	52.2
Below Normal (17%)	53.0	53.1	49.8	46.8	46.5	49.5	53.8	54.1	53.2	52.4	53.2	53.5
Dry (22%)	53.3	53.2	49.8	47.3	47.6	50.1	54.5	54.6	53.3	52.9	53.6	54.3
Critical (15%)	56.2	54.2	50.0	47.9	48.4	50.5	53.6	54.8	55.9	54.2	54.8	56.8

Table 6C-7-1b. Sacramento River at Balls Ferry, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.4	54.4	51.9	48.8	48.5	50.9	55.4	56.1	56.0	53.8	54.5	55.7
20%	53.8	54.1	51.3	48.1	48.0	50.4	54.6	55.1	54.7	53.5	54.1	54.9
30%	53.4	53.9	50.6	47.4	47.7	50.0	54.4	54.9	54.4	53.2	53.6	54.2
40%	53.1	53.7	50.3	47.0	47.1	49.6	53.8	54.5	54.0	53.0	53.4	53.8
50%	52.9	53.5	49.9	46.8	46.8	49.1	53.5	54.2	53.8	52.8	53.2	53.2
60%	52.7	53.3	49.8	46.5	46.4	48.7	53.2	53.8	53.5	52.6	53.0	52.5
70%	52.5	53.0	49.5	46.3	45.7	48.3	52.6	53.2	53.2	52.3	52.9	51.9
80%	52.3	52.7	49.0	46.0	45.3	47.6	52.1	53.0	52.8	52.0	52.6	51.3
90%	51.9	52.4	48.2	45.6	45.0	47.1	50.9	52.3	52.5	51.8	52.3	51.1
Long Term												
Full Simulation Period[a]	53.4	53.4	50.1	46.9	46.7	49.1	53.4	54.2	54.0	52.9	53.3	53.3
Water Year Types[b,c]												
Wet (32%)	52.5	53.6	50.6	46.4	45.7	47.8	52.2	53.6	54.1	52.8	52.9	51.8
Above Normal (15%)	52.8	53.1	49.8	46.8	46.2	48.4	53.3	53.8	53.6	52.3	52.9	52.2
Below Normal (17%)	53.0	53.1	49.8	46.8	46.5	49.5	53.8	54.2	53.3	52.4	53.2	53.5
Dry (22%)	53.3	53.2	49.9	47.3	47.6	50.1	54.6	54.7	53.4	52.9	53.5	54.2
Critical (15%)	56.2	54.1	50.0	47.9	48.4	50.5	53.6	55.1	56.0	54.1	54.7	56.6

Table 6C-7-1c. Sacramento River at Balls Ferry, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.2	0.2	0.0	0.1	0.0
20%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	-0.1
30%	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0	0.0
40%	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	-0.1
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	-0.1	-0.1	0.0
70%	0.0	0.1	0.1	0.0	0.0	0.0	-0.1	0.1	0.1	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	-0.1	-0.1	-0.1
Critical (15%)	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.1	-0.1	-0.1	-0.2

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-7-2a. Sacramento River at Balls Ferry, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.4	54.4	51.9	48.7	48.4	50.9	55.3	56.0	55.8	53.8	54.4	55.8
20%	54.1	54.1	51.3	48.1	48.0	50.4	54.6	55.1	54.6	53.6	54.0	54.9
30%	53.6	54.0	50.6	47.4	47.7	50.0	54.4	54.7	54.3	53.3	53.6	54.2
40%	53.1	53.7	50.3	47.0	47.1	49.6	53.8	54.5	54.0	53.1	53.4	53.7
50%	52.8	53.5	50.0	46.8	46.8	49.1	53.4	54.1	53.7	52.9	53.2	53.3
60%	52.7	53.3	49.7	46.5	46.3	48.7	53.0	53.7	53.4	52.6	53.0	52.4
70%	52.5	52.9	49.5	46.3	45.6	48.3	52.6	53.2	53.1	52.4	52.9	51.9
80%	52.3	52.7	49.0	45.9	45.3	47.6	52.1	52.9	52.8	52.0	52.6	51.3
90%	51.9	52.4	48.1	45.6	45.0	47.1	50.9	52.3	52.4	51.9	52.4	51.1
Long Term												
Full Simulation Period[a]	53.4	53.4	50.1	46.9	46.7	49.1	53.3	54.1	53.9	52.9	53.4	53.4
Water Year Types[b,c]												
Wet (32%)	52.5	53.6	50.6	46.4	45.7	47.8	52.2	53.5	54.1	52.8	52.9	51.7
Above Normal (15%)	52.8	53.1	49.8	46.8	46.2	48.4	53.3	53.8	53.6	52.3	52.9	52.2
Below Normal (17%)	53.0	53.1	49.8	46.8	46.5	49.5	53.8	54.1	53.2	52.4	53.2	53.5
Dry (22%)	53.3	53.2	49.8	47.3	47.6	50.1	54.5	54.6	53.3	52.9	53.6	54.3
Critical (15%)	56.2	54.2	50.0	47.9	48.4	50.5	53.6	54.8	55.9	54.2	54.8	56.8

Table 6C-7-2b. Sacramento River at Balls Ferry, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.3	54.4	51.7	48.7	48.5	50.9	55.4	56.1	56.0	53.8	54.3	55.8
20%	53.8	54.1	51.3	48.1	48.0	50.5	54.8	55.3	55.0	53.6	54.0	54.7
30%	53.4	53.9	50.6	47.4	47.6	50.0	54.4	54.8	54.4	53.3	53.5	54.1
40%	53.0	53.7	50.3	47.0	47.1	49.5	53.8	54.5	54.1	53.0	53.4	53.7
50%	52.8	53.5	50.0	46.8	46.8	49.1	53.5	54.1	53.8	52.9	53.2	53.2
60%	52.7	53.3	49.8	46.5	46.3	48.7	53.2	53.8	53.5	52.6	53.0	52.4
70%	52.4	53.0	49.5	46.2	45.7	48.3	52.5	53.4	53.2	52.3	52.9	51.8
80%	52.3	52.8	49.0	46.0	45.3	47.6	52.1	53.0	53.0	52.0	52.6	51.3
90%	51.9	52.5	48.4	45.6	45.0	47.1	50.9	52.3	52.5	51.8	52.4	51.1
Long Term												
Full Simulation Period[a]	53.4	53.5	50.1	46.9	46.7	49.1	53.4	54.2	54.1	52.9	53.3	53.3
Water Year Types[b,c]												
Wet (32%)	52.5	53.5	50.6	46.4	45.7	47.8	52.2	53.6	54.1	52.8	52.9	51.7
Above Normal (15%)	52.7	53.1	49.8	46.8	46.2	48.4	53.3	53.8	53.9	52.4	52.9	52.0
Below Normal (17%)	53.0	53.1	49.7	46.8	46.5	49.5	53.9	54.4	53.4	52.4	53.2	53.4
Dry (22%)	53.3	53.3	49.9	47.3	47.6	50.1	54.7	54.7	53.3	52.8	53.5	54.2
Critical (15%)	56.2	54.3	50.0	47.9	48.4	50.5	53.6	55.1	56.0	54.1	54.6	56.6

Table 6C-7-2c. Sacramento River at Balls Ferry, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	-0.2	0.0	0.1	0.0	0.0	0.2	0.2	0.0	-0.1	0.0
20%	-0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.4	0.0	0.0	-0.2
30%	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
40%	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	-0.1
60%	-0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.0
70%	-0.1	0.1	0.0	0.0	0.0	0.0	-0.1	0.3	0.1	-0.1	0.0	0.0
80%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0
90%	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	-0.2
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	-0.1
Dry (22%)	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	-0.1	-0.1
Critical (15%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	-0.1	-0.2	-0.2

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-7-3a. Sacramento River at Balls Ferry, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.4	54.4	51.9	48.7	48.4	50.9	55.3	56.0	55.8	53.8	54.4	55.8
20%	54.1	54.1	51.3	48.1	48.0	50.4	54.6	55.1	54.6	53.6	54.0	54.9
30%	53.6	54.0	50.6	47.4	47.7	50.0	54.4	54.7	54.3	53.3	53.6	54.2
40%	53.1	53.7	50.3	47.0	47.1	49.6	53.8	54.5	54.0	53.1	53.4	53.7
50%	52.8	53.5	50.0	46.8	46.8	49.1	53.4	54.1	53.7	52.9	53.2	53.3
60%	52.7	53.3	49.7	46.5	46.3	48.7	53.0	53.7	53.4	52.6	53.0	52.4
70%	52.5	52.9	49.5	46.3	45.6	48.3	52.6	53.2	53.1	52.4	52.9	51.9
80%	52.3	52.7	49.0	45.9	45.3	47.6	52.1	52.9	52.8	52.0	52.6	51.3
90%	51.9	52.4	48.1	45.6	45.0	47.1	50.9	52.3	52.4	51.9	52.4	51.1
Long Term												
Full Simulation Period[a]	53.4	53.4	50.1	46.9	46.7	49.1	53.3	54.1	53.9	52.9	53.4	53.4
Water Year Types[b,c]												
Wet (32%)	52.5	53.6	50.6	46.4	45.7	47.8	52.2	53.5	54.1	52.8	52.9	51.7
Above Normal (15%)	52.8	53.1	49.8	46.8	46.2	48.4	53.3	53.8	53.6	52.3	52.9	52.2
Below Normal (17%)	53.0	53.1	49.8	46.8	46.5	49.5	53.8	54.1	53.2	52.4	53.2	53.5
Dry (22%)	53.3	53.2	49.8	47.3	47.6	50.1	54.5	54.6	53.3	52.9	53.6	54.3
Critical (15%)	56.2	54.2	50.0	47.9	48.4	50.5	53.6	54.8	55.9	54.2	54.8	56.8

Table 6C-7-3b. Sacramento River at Balls Ferry, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.4	54.4	51.9	48.7	48.5	50.9	55.3	56.1	56.0	53.8	54.3	55.8
20%	53.8	54.1	51.3	48.1	48.0	50.4	54.6	55.1	54.7	53.5	54.0	54.8
30%	53.4	53.9	50.6	47.4	47.7	50.0	54.4	54.9	54.4	53.2	53.5	54.2
40%	53.1	53.7	50.3	47.0	47.1	49.6	53.8	54.5	54.0	53.0	53.4	53.8
50%	52.9	53.5	50.0	46.8	46.8	49.1	53.5	54.2	53.8	52.8	53.1	53.2
60%	52.7	53.3	49.8	46.5	46.3	48.7	53.2	53.8	53.5	52.6	53.0	52.5
70%	52.5	53.0	49.5	46.3	45.7	48.3	52.6	53.2	53.2	52.3	52.9	51.9
80%	52.3	52.7	49.0	46.0	45.3	47.6	52.1	53.0	52.8	52.0	52.6	51.3
90%	51.9	52.4	48.2	45.6	45.0	47.1	51.0	52.3	52.5	51.8	52.3	51.1
Long Term												
Full Simulation Period[a]	53.4	53.4	50.1	46.9	46.7	49.1	53.4	54.2	54.0	52.9	53.3	53.4
Water Year Types[b,c]												
Wet (32%)	52.5	53.6	50.6	46.4	45.7	47.8	52.2	53.6	54.1	52.8	52.9	51.8
Above Normal (15%)	52.8	53.1	49.8	46.8	46.2	48.4	53.3	53.8	53.6	52.3	52.9	52.2
Below Normal (17%)	53.0	53.1	49.8	46.8	46.5	49.5	53.8	54.2	53.3	52.4	53.2	53.5
Dry (22%)	53.3	53.2	49.9	47.3	47.6	50.1	54.6	54.7	53.4	52.8	53.5	54.2
Critical (15%)	56.3	54.3	50.0	47.9	48.4	50.5	53.6	55.1	56.0	54.1	54.6	56.7

Table 6C-7-3c. Sacramento River at Balls Ferry, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.2	0.2	0.0	-0.1	0.0
20%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	-0.1
30%	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0	0.0
40%	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	-0.1	-0.1
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	-0.1	-0.1	0.0
70%	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
90%	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	-0.1	-0.1	-0.1
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	-0.1	-0.2	-0.1

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-7-4a. Sacramento River at Balls Ferry, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.4	54.4	51.9	48.7	48.4	50.9	55.3	56.0	55.8	53.8	54.4	55.8
20%	54.1	54.1	51.3	48.1	48.0	50.4	54.6	55.1	54.6	53.6	54.0	54.9
30%	53.6	54.0	50.6	47.4	47.7	50.0	54.4	54.7	54.3	53.3	53.6	54.2
40%	53.1	53.7	50.3	47.0	47.1	49.6	53.8	54.5	54.0	53.1	53.4	53.7
50%	52.8	53.5	50.0	46.8	46.8	49.1	53.4	54.1	53.7	52.9	53.2	53.3
60%	52.7	53.3	49.7	46.5	46.3	48.7	53.0	53.7	53.4	52.6	53.0	52.4
70%	52.5	52.9	49.5	46.3	45.6	48.3	52.6	53.2	53.1	52.4	52.9	51.9
80%	52.3	52.7	49.0	45.9	45.3	47.6	52.1	52.9	52.8	52.0	52.6	51.3
90%	51.9	52.4	48.1	45.6	45.0	47.1	50.9	52.3	52.4	51.9	52.4	51.1
Long Term												
Full Simulation Period[a]	53.4	53.4	50.1	46.9	46.7	49.1	53.3	54.1	53.9	52.9	53.4	53.4
Water Year Types[b,c]												
Wet (32%)	52.5	53.6	50.6	46.4	45.7	47.8	52.2	53.5	54.1	52.8	52.9	51.7
Above Normal (15%)	52.8	53.1	49.8	46.8	46.2	48.4	53.3	53.8	53.6	52.3	52.9	52.2
Below Normal (17%)	53.0	53.1	49.8	46.8	46.5	49.5	53.8	54.1	53.2	52.4	53.2	53.5
Dry (22%)	53.3	53.2	49.8	47.3	47.6	50.1	54.5	54.6	53.3	52.9	53.6	54.3
Critical (15%)	56.2	54.2	50.0	47.9	48.4	50.5	53.6	54.8	55.9	54.2	54.8	56.8

Table 6C-7-4b. Sacramento River at Balls Ferry, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.2	54.4	51.7	48.6	48.4	50.9	55.3	56.1	55.8	53.9	54.3	55.8
20%	53.9	54.1	51.3	48.1	48.0	50.5	54.9	55.3	55.0	53.7	54.1	54.7
30%	53.3	53.9	50.5	47.4	47.6	50.0	54.4	54.9	54.4	53.4	53.8	54.0
40%	53.0	53.7	50.3	47.0	47.1	49.5	53.9	54.6	54.2	53.1	53.6	53.6
50%	52.8	53.5	50.0	46.8	46.8	49.1	53.7	54.2	53.9	52.9	53.3	53.2
60%	52.6	53.2	49.8	46.5	46.3	48.7	53.2	53.8	53.6	52.6	53.1	52.4
70%	52.4	52.9	49.6	46.2	45.7	48.3	52.5	53.4	53.3	52.4	52.9	51.7
80%	52.3	52.7	49.1	46.0	45.3	47.6	52.1	53.0	53.1	52.0	52.6	51.3
90%	51.9	52.4	48.7	45.6	44.9	47.1	50.9	52.3	52.8	51.9	52.4	51.1
Long Term												
Full Simulation Period[a]	53.3	53.4	50.1	46.9	46.7	49.1	53.4	54.2	54.1	52.9	53.4	53.2
Water Year Types[b,c]												
Wet (32%)	52.5	53.5	50.6	46.4	45.7	47.8	52.2	53.6	54.1	52.8	52.9	51.7
Above Normal (15%)	52.6	53.0	49.8	46.8	46.1	48.4	53.3	53.8	54.0	52.6	53.3	51.8
Below Normal (17%)	52.9	53.1	49.7	46.7	46.5	49.5	53.8	54.3	53.6	52.5	53.2	53.3
Dry (22%)	53.3	53.2	49.9	47.3	47.6	50.1	54.7	54.7	53.4	52.9	53.6	54.2
Critical (15%)	56.0	54.3	50.1	47.9	48.4	50.5	53.7	55.0	55.7	54.1	54.5	56.4

Table 6C-7-4c. Sacramento River at Balls Ferry, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.2	0.0	-0.2	-0.1	0.0	0.0	0.0	0.1	0.0	0.1	-0.1	0.0
20%	-0.2	0.0	-0.1	0.0	0.0	0.0	0.2	0.2	0.4	0.1	0.1	-0.2
30%	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.2	-0.2
40%	-0.1	-0.1	0.0	0.0	0.0	-0.1	0.1	0.1	0.2	0.0	0.2	-0.1
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.2	0.0	0.1	-0.1
60%	-0.2	-0.1	0.1	0.0	0.0	0.0	0.2	0.1	0.2	0.0	0.1	0.0
70%	-0.1	0.0	0.1	-0.1	0.0	0.0	-0.1	0.3	0.2	0.0	0.0	-0.1
80%	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.1	0.2	0.0	0.0	0.0
90%	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.2
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.3	0.4	-0.4
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.1	-0.2
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.0	0.0	-0.1
Critical (15%)	-0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.2	-0.2	-0.1	-0.3	-0.4

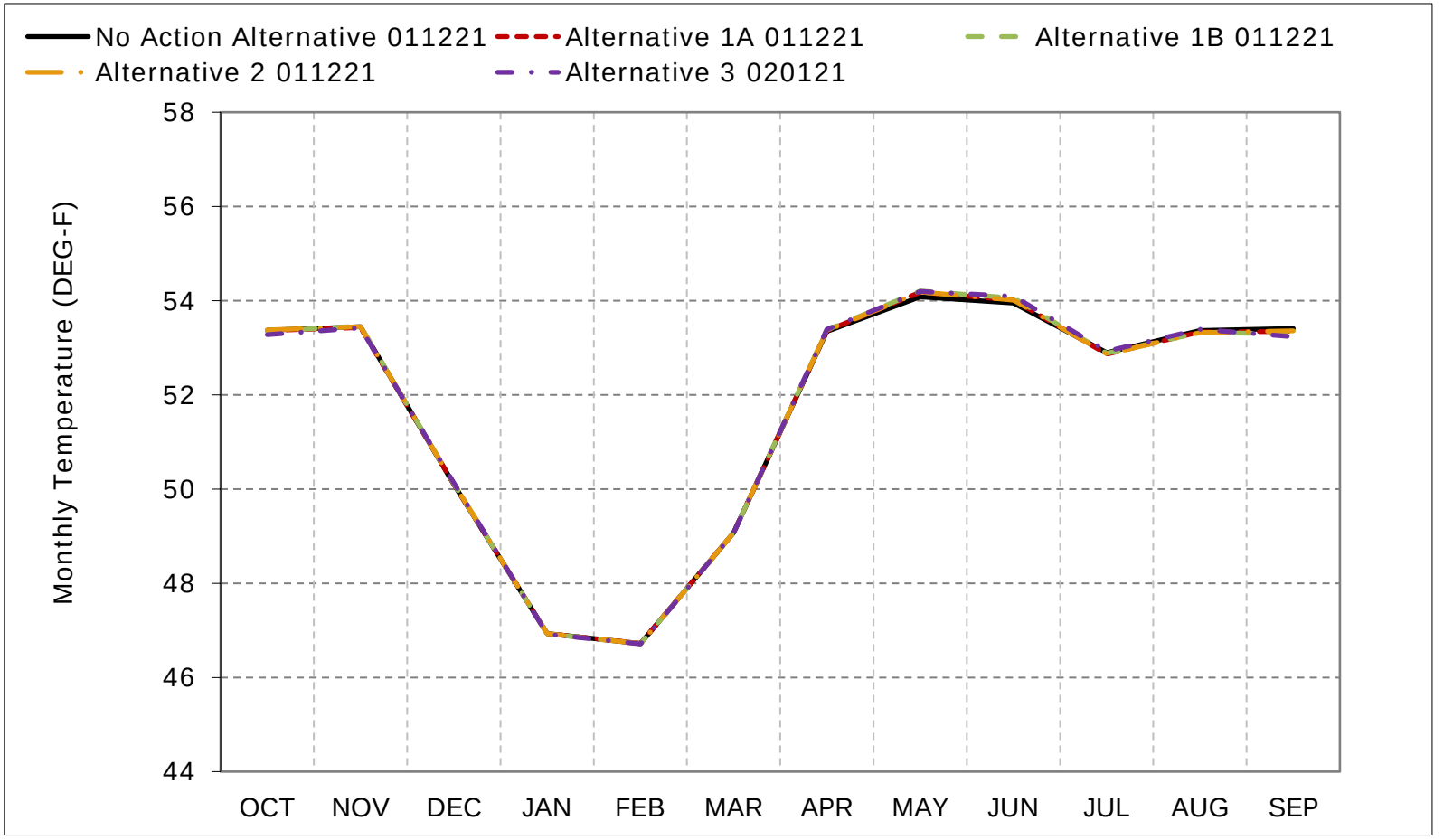
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

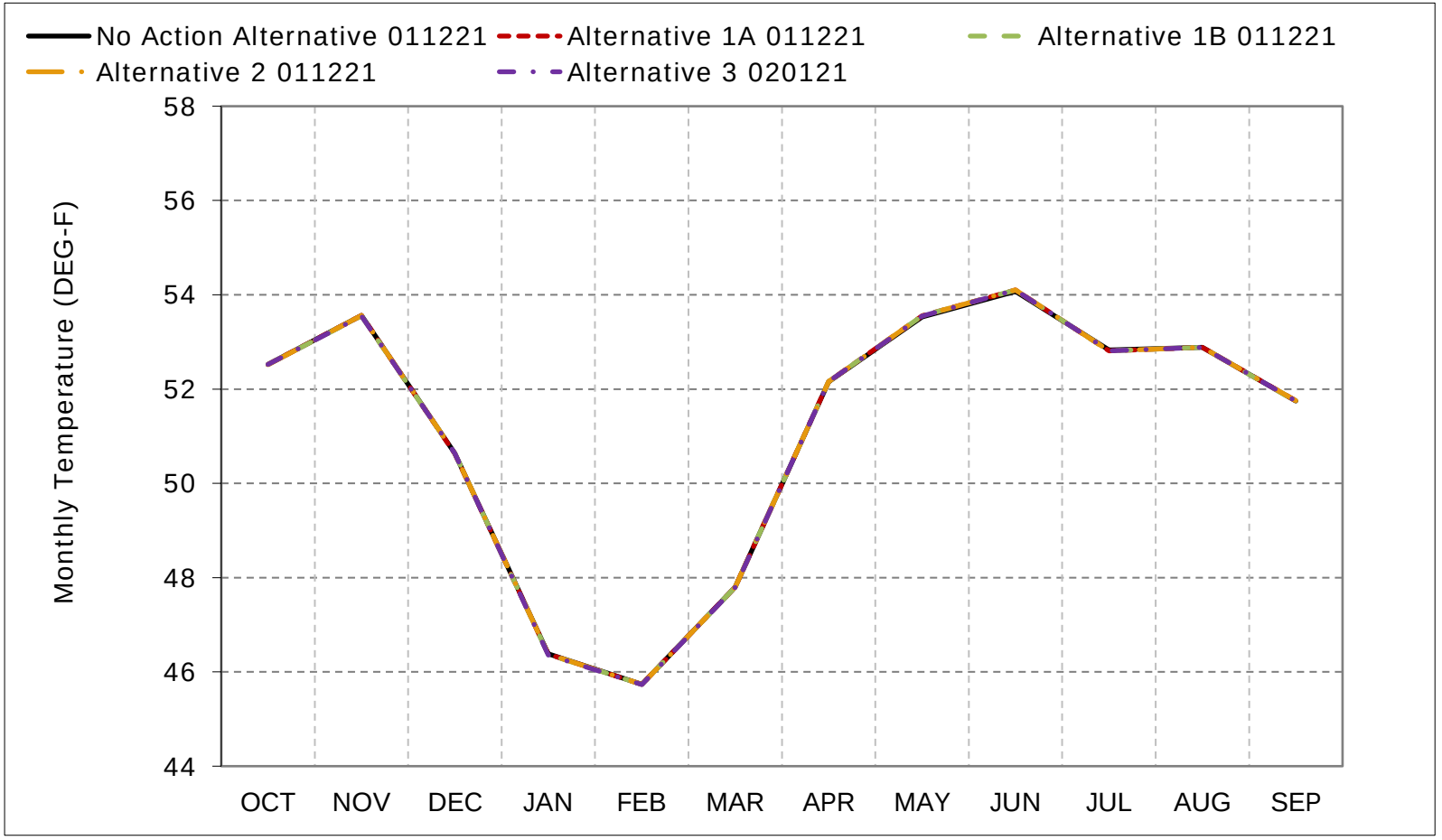
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-7-1. Sacramento River at Balls Ferry, Long-Term Average Temperature



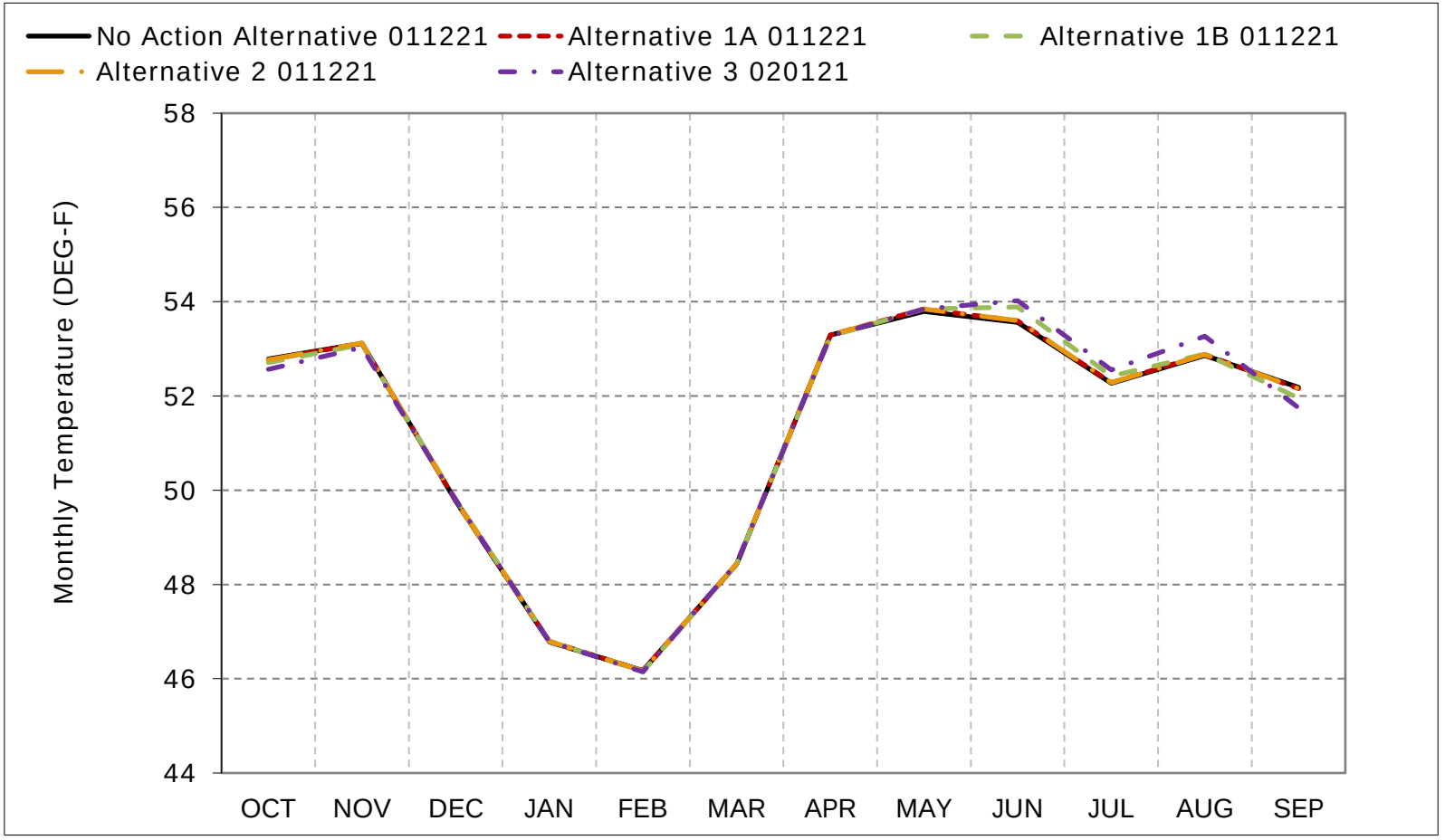
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-7-2. Sacramento River at Balls Ferry, Wet Year Average Temperature



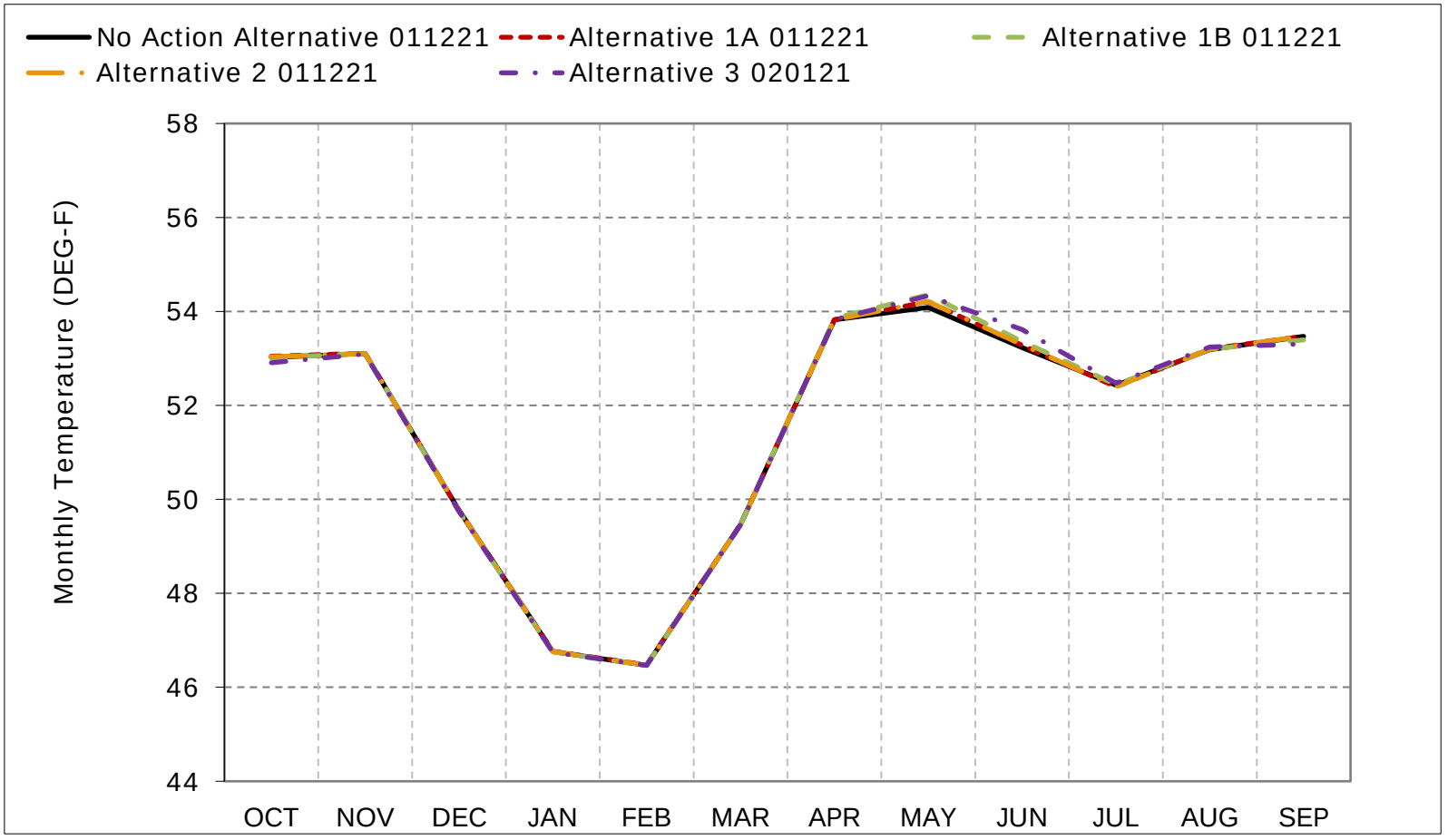
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-7-3. Sacramento River at Balls Ferry, Above Normal Year Average Temperat



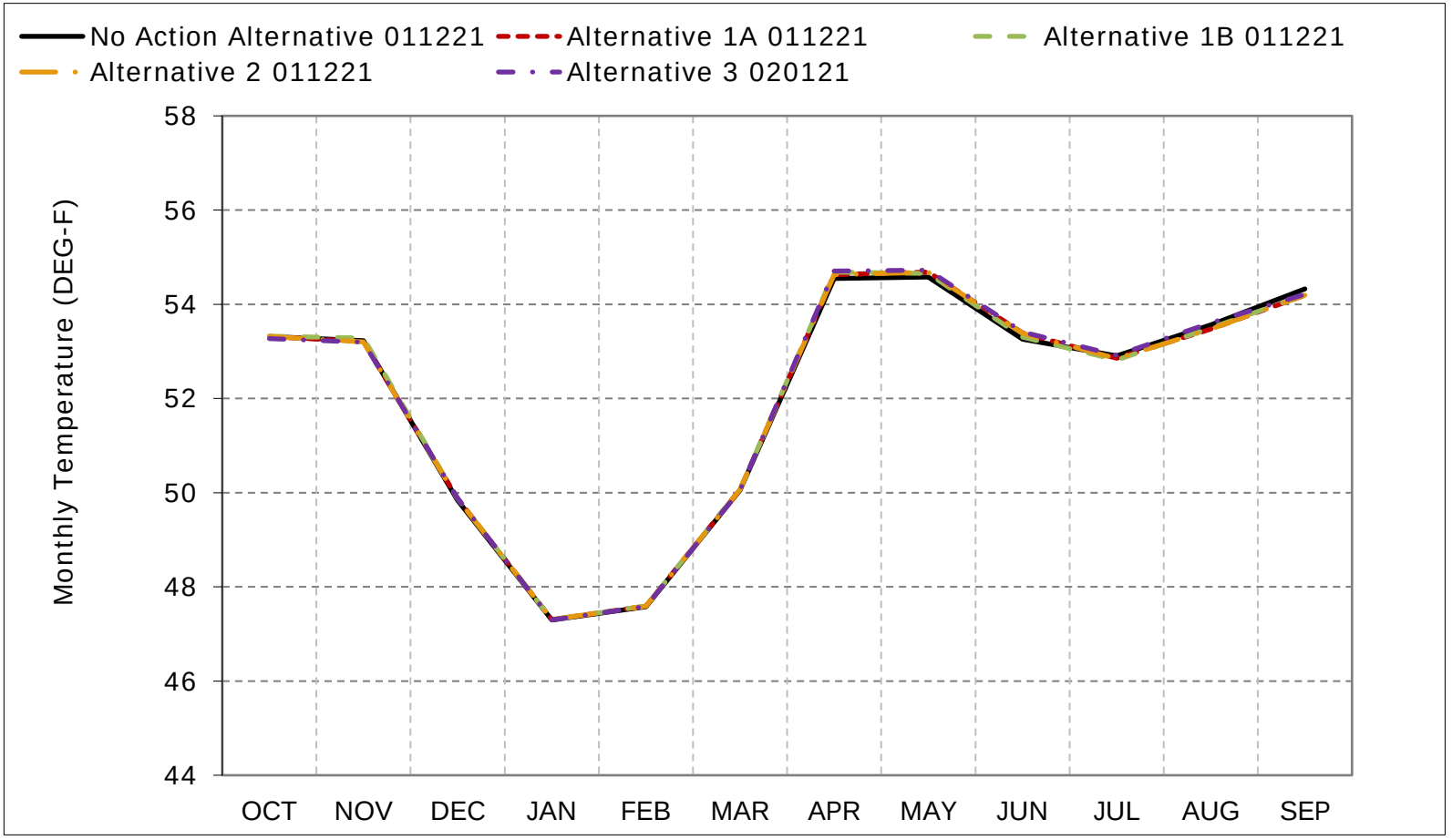
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-7-4. Sacramento River at Balls Ferry, Below Normal Year Average Temperat



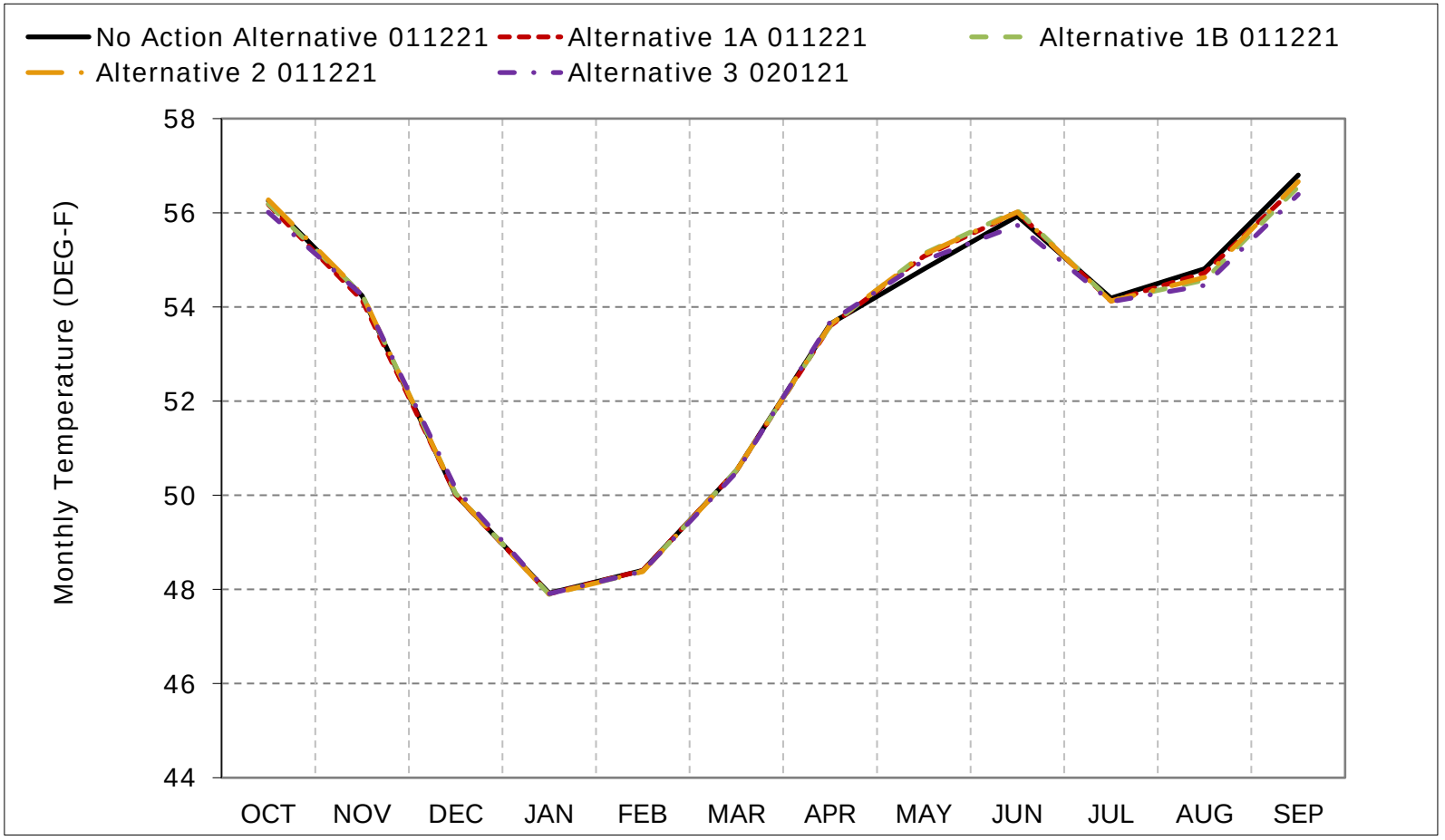
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-7-5. Sacramento River at Balls Ferry, Dry Year Average Temperature



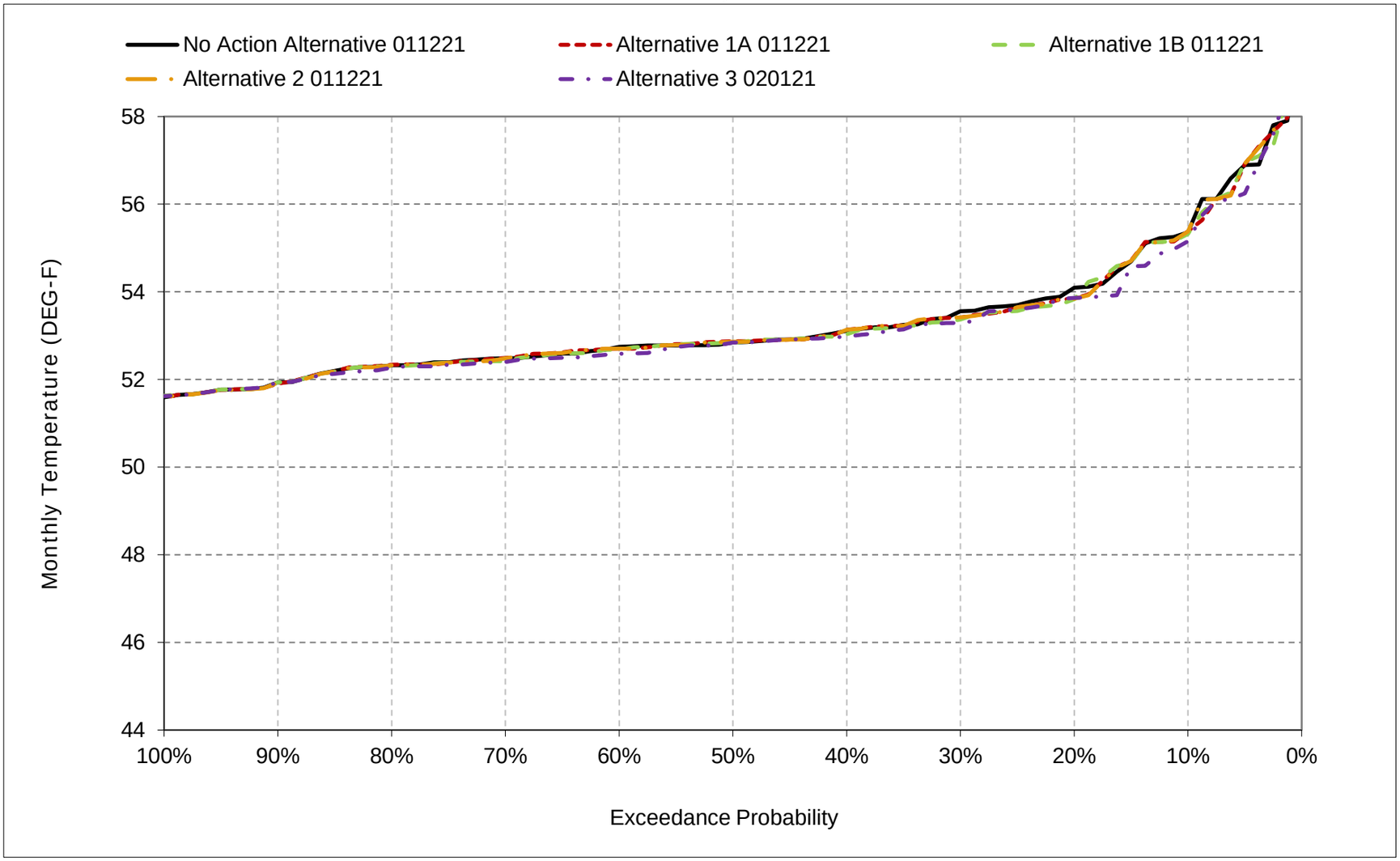
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-7-6. Sacramento River at Balls Ferry, Critical Year Average Temperature



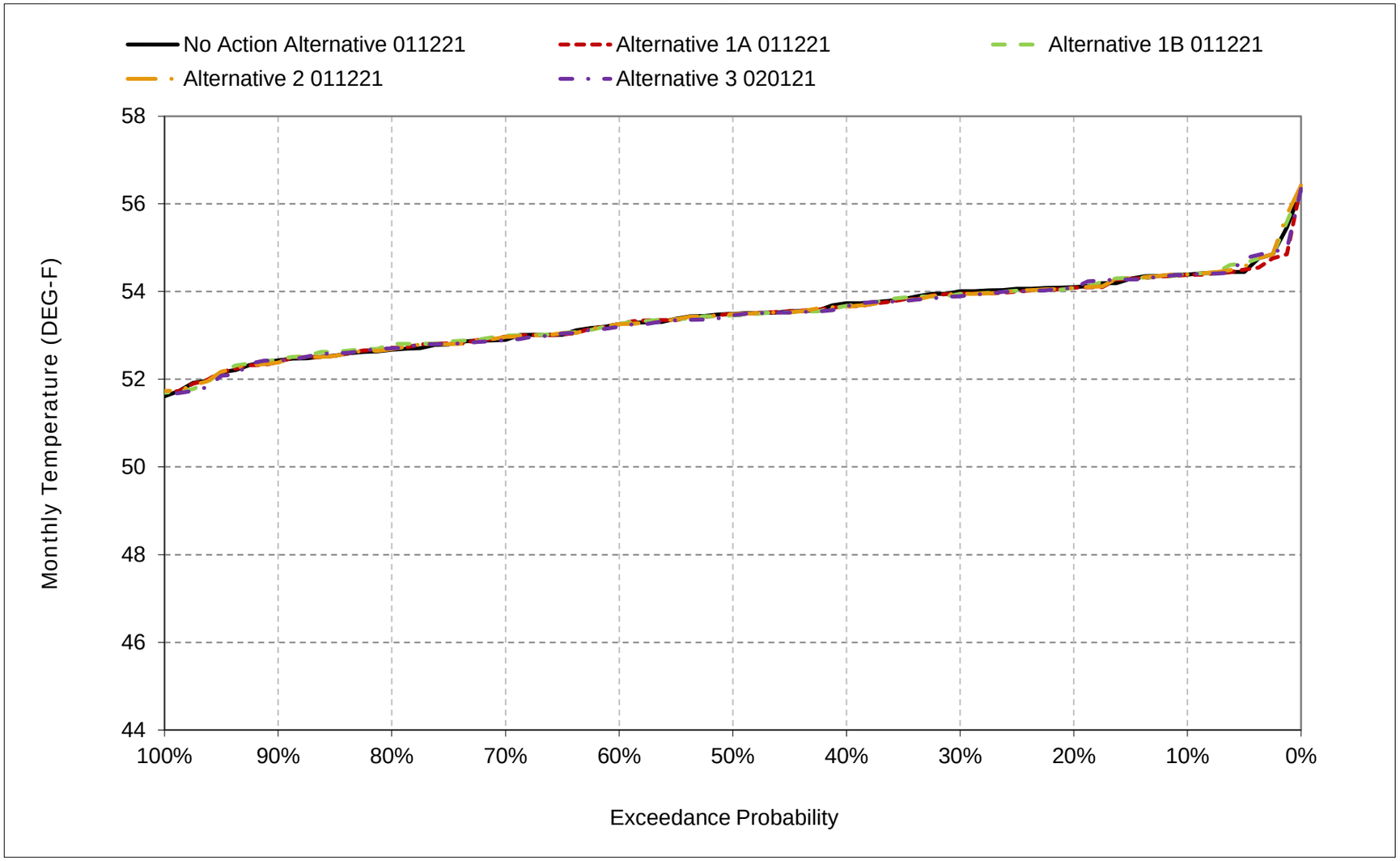
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-7-7. Sacramento River at Balls Ferry, October



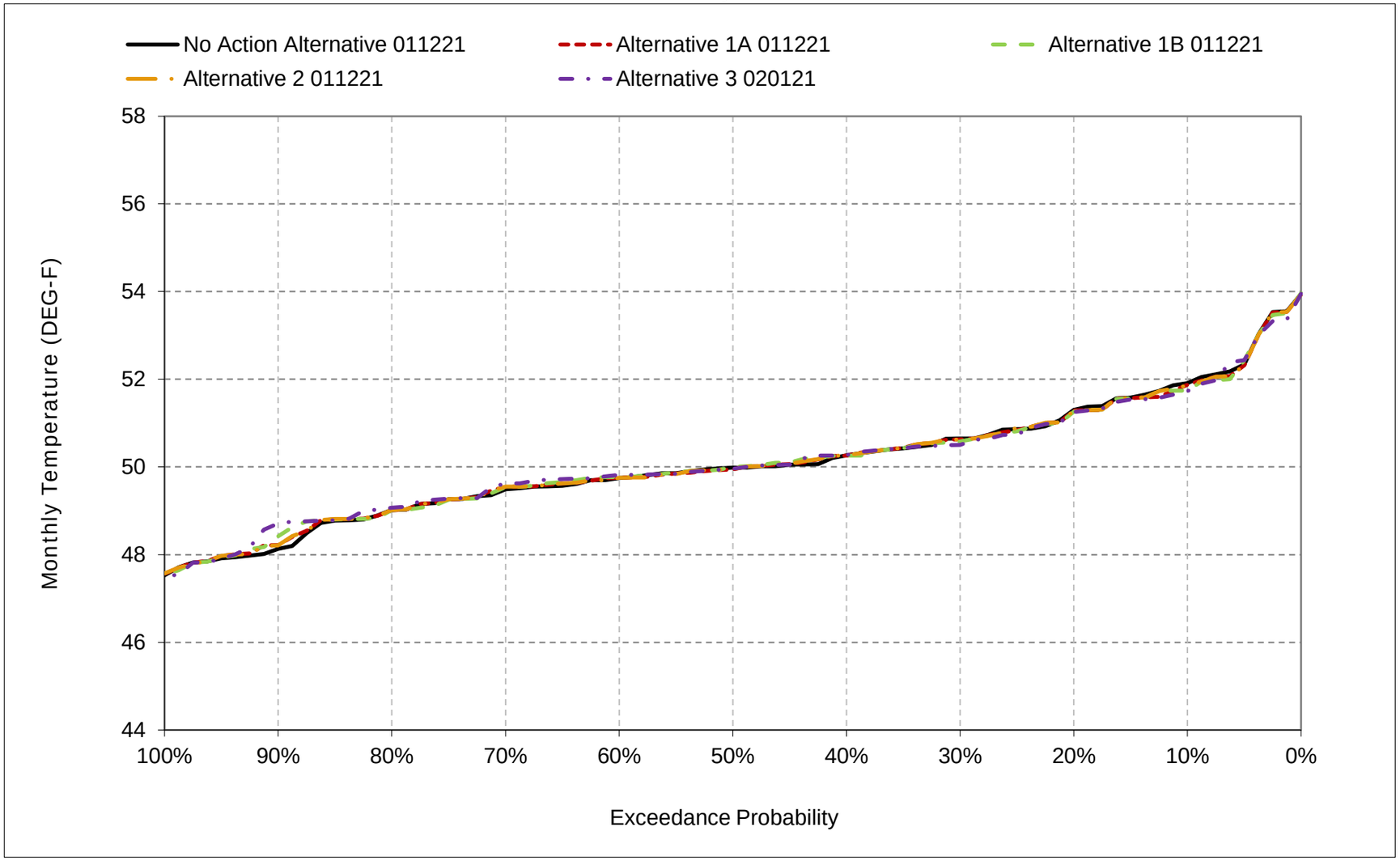
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-7-8. Sacramento River at Balls Ferry, November



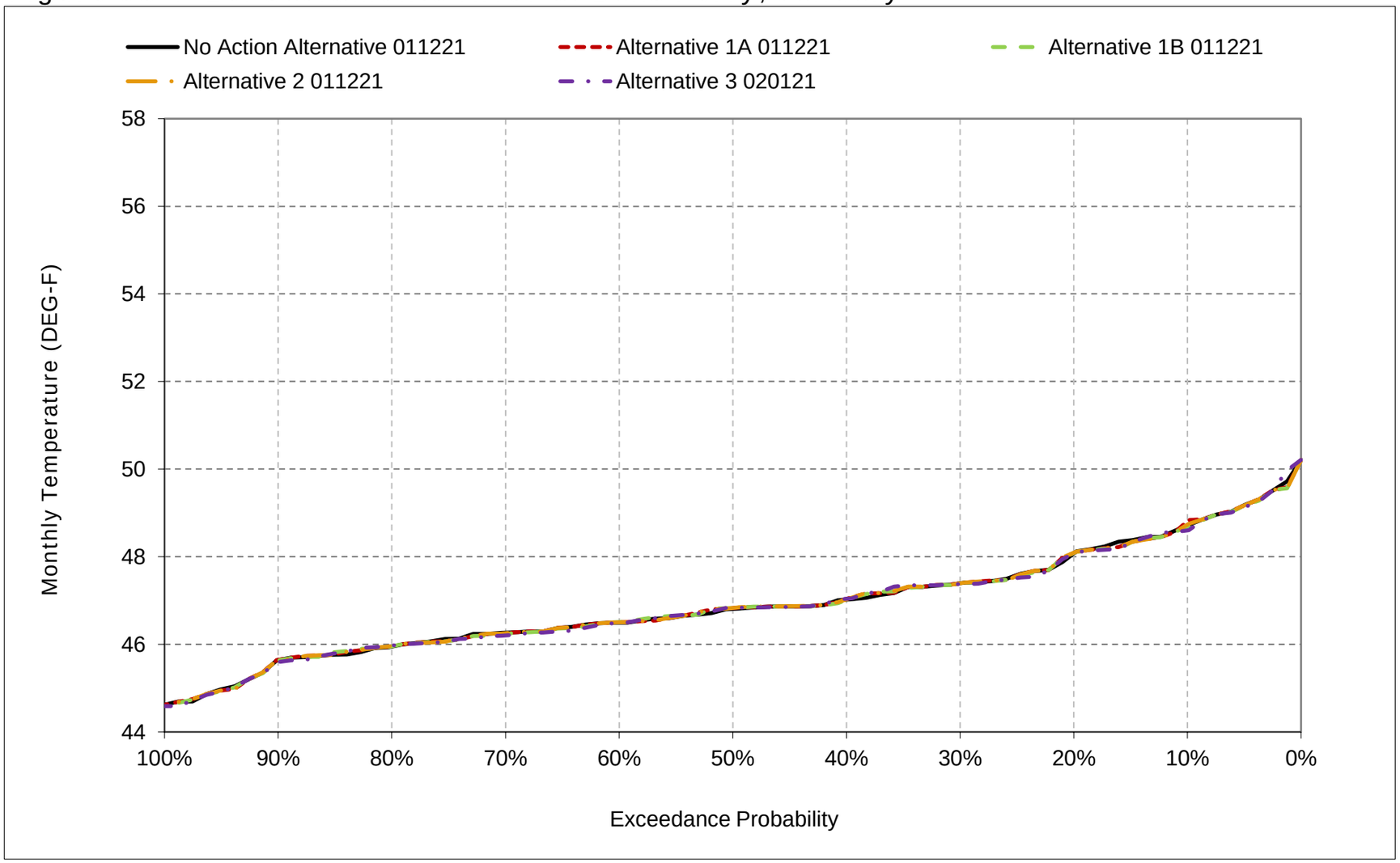
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-7-9. Sacramento River at Balls Ferry, December



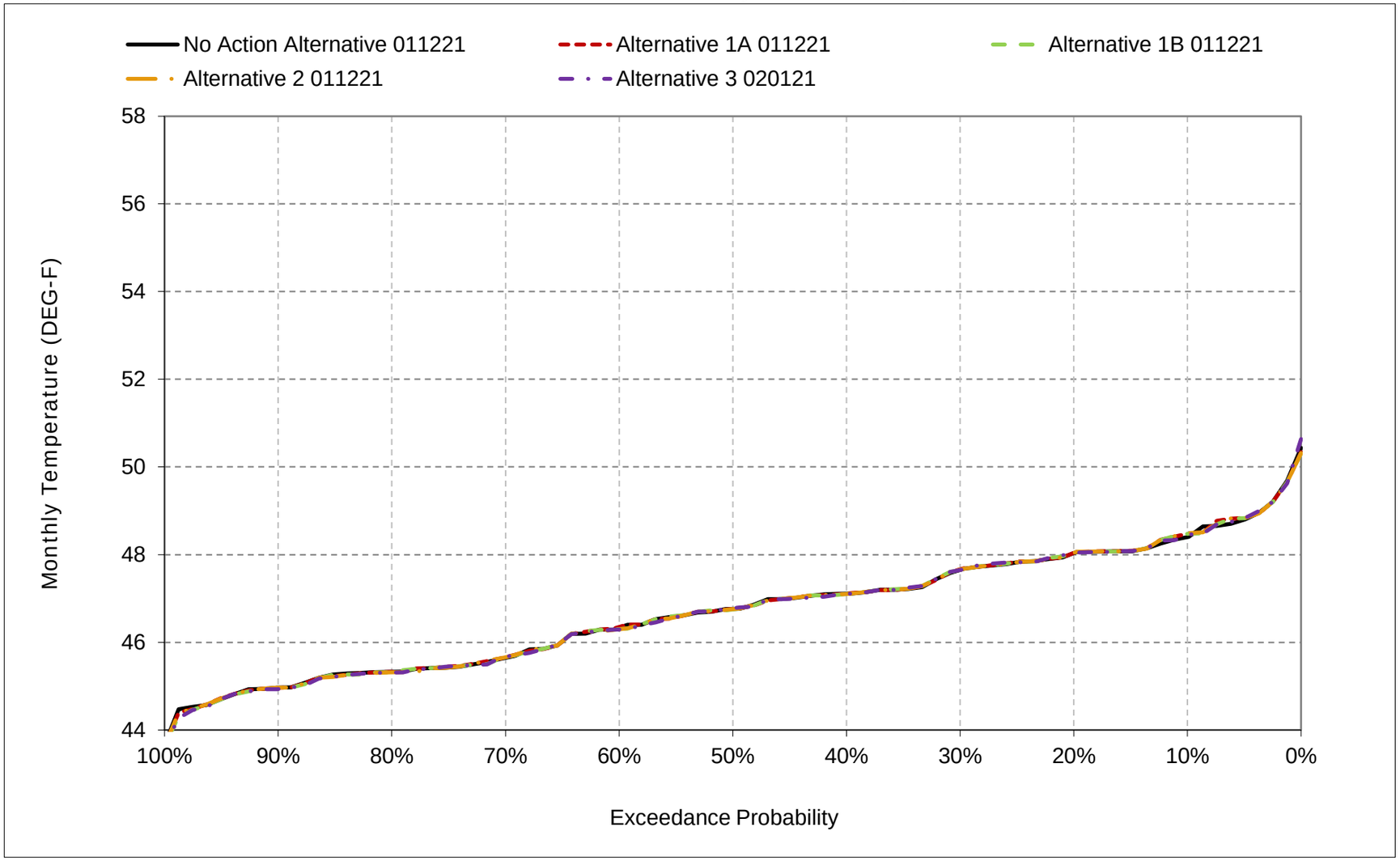
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-7-10. Sacramento River at Balls Ferry, January



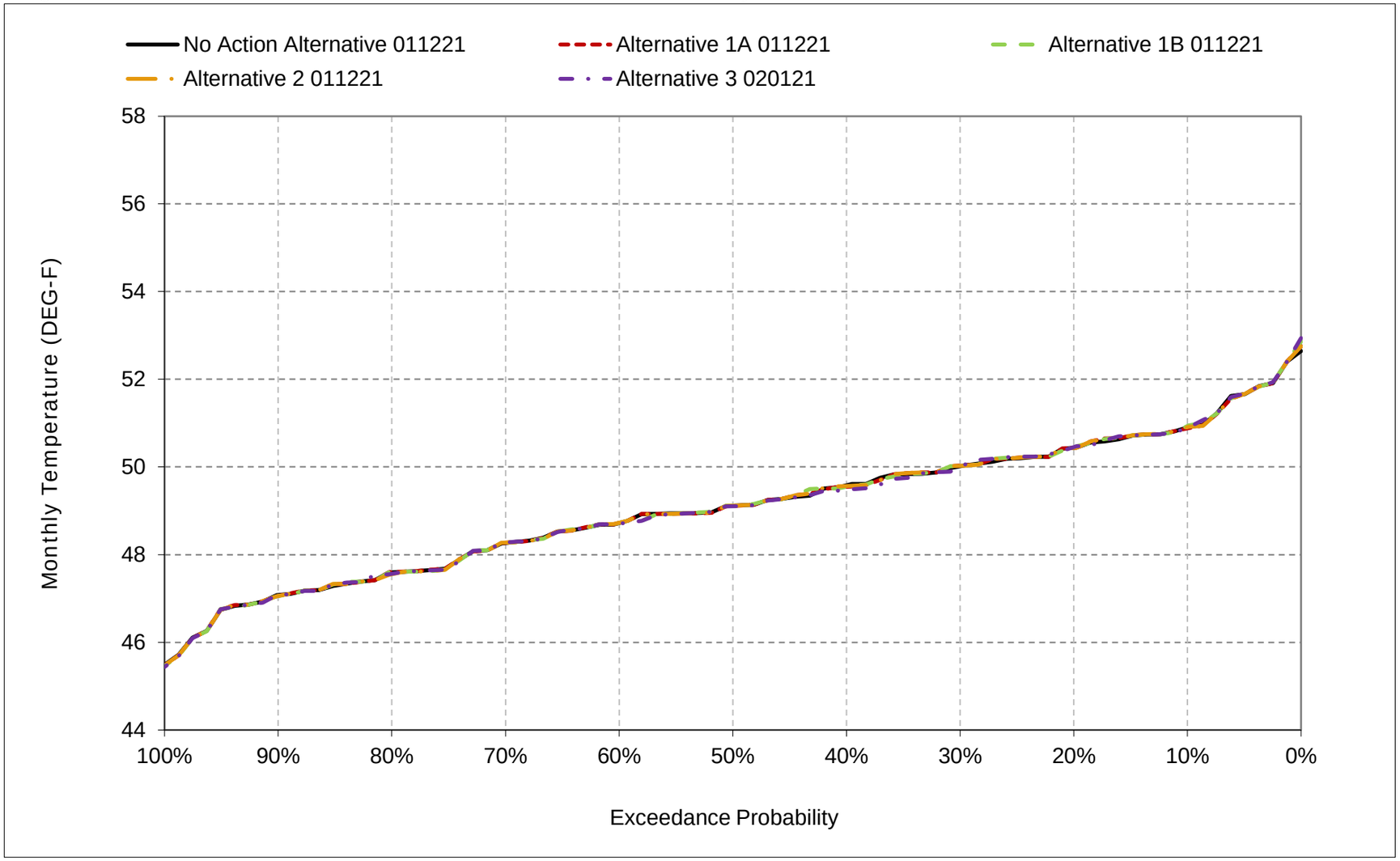
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-7-11. Sacramento River at Balls Ferry, February



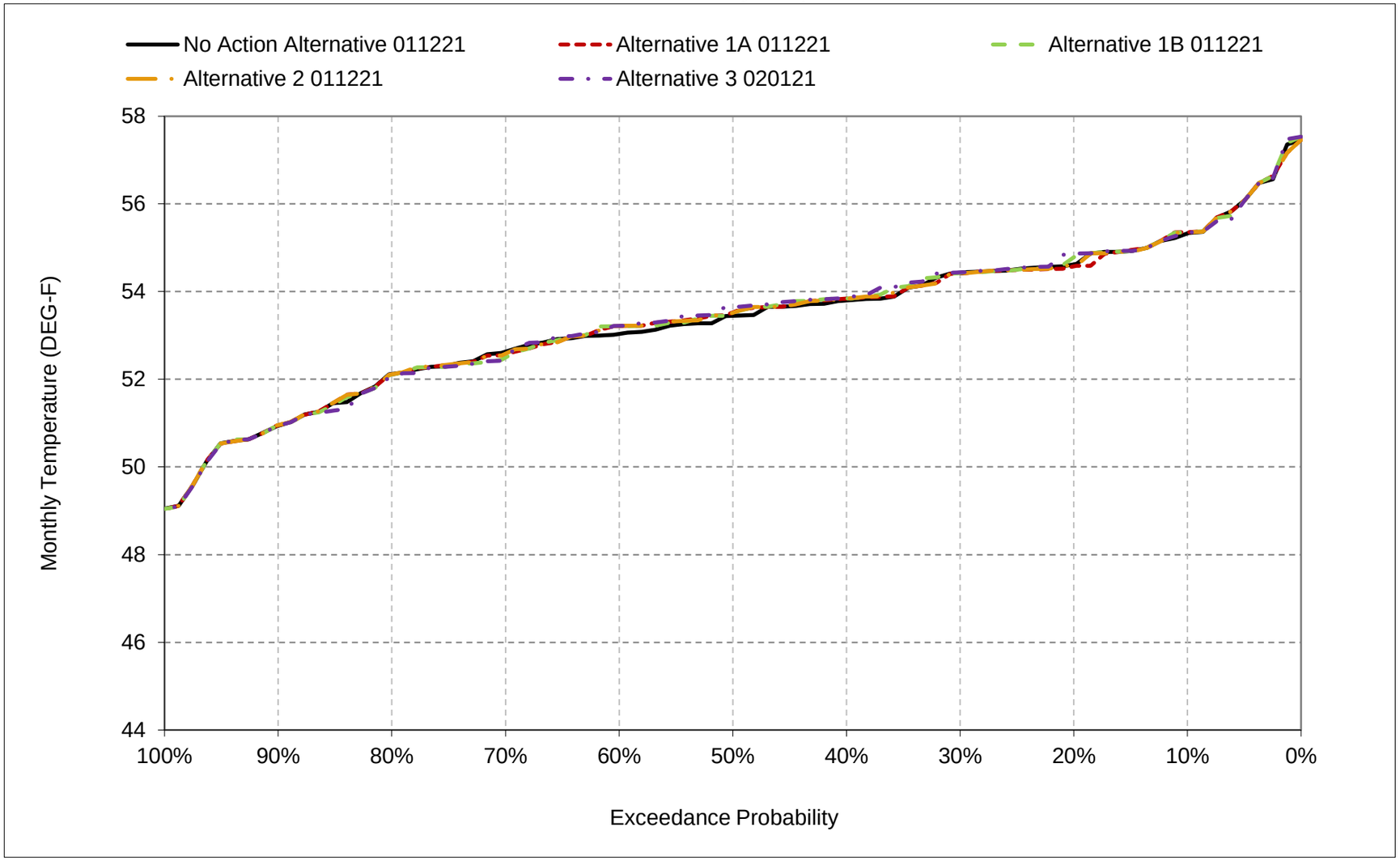
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-7-12. Sacramento River at Balls Ferry, March



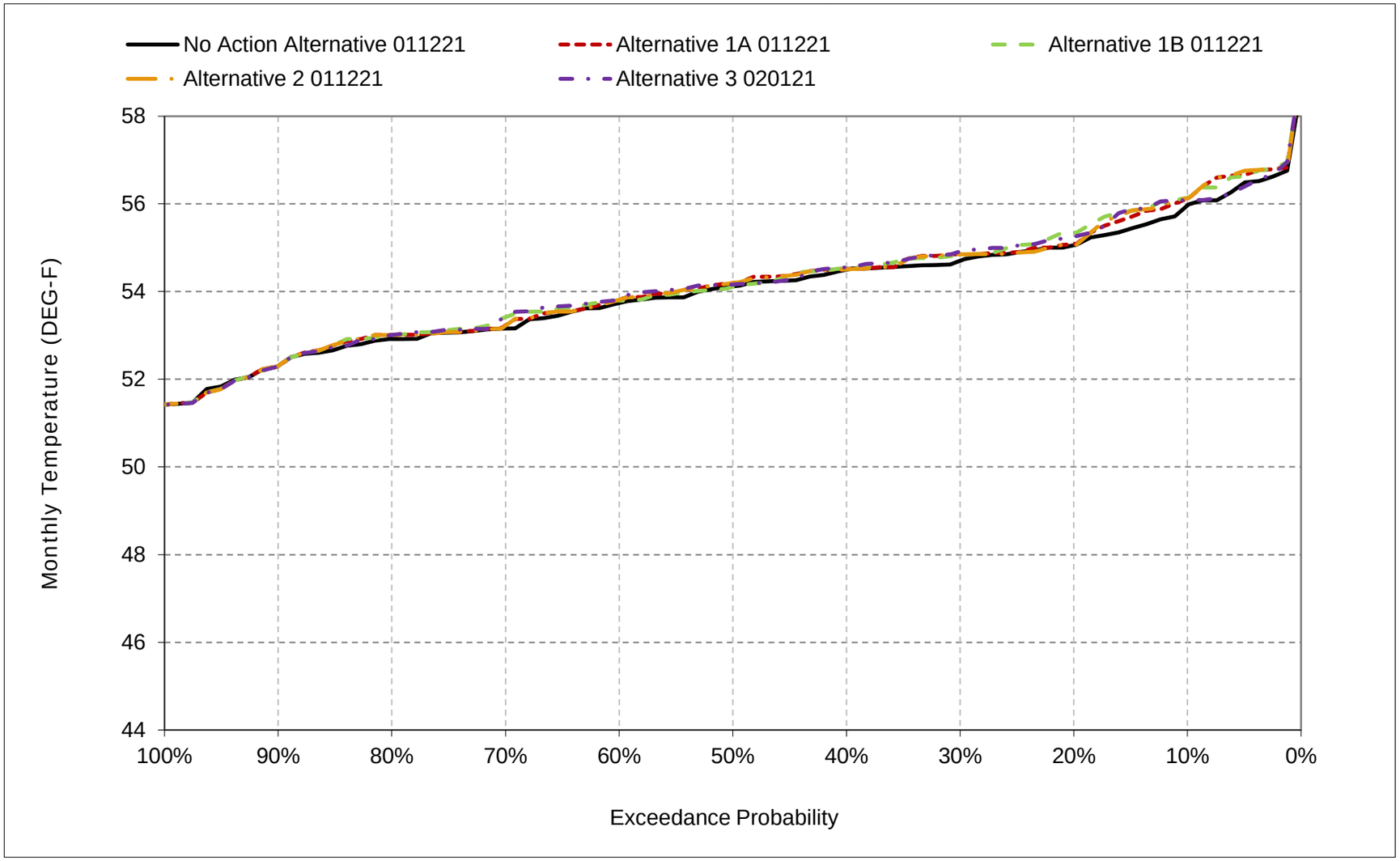
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-7-13. Sacramento River at Balls Ferry, April



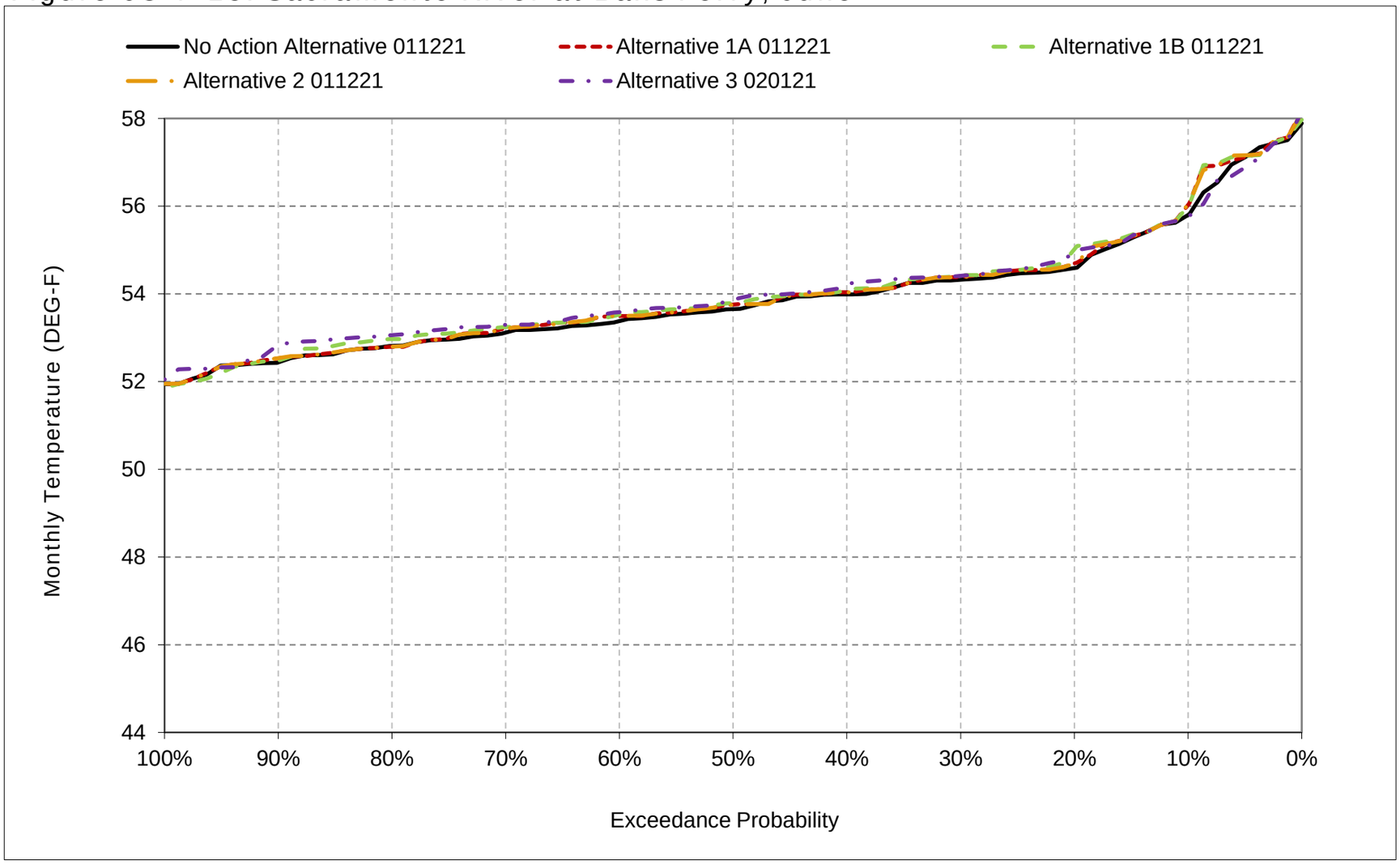
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-7-14. Sacramento River at Balls Ferry, May



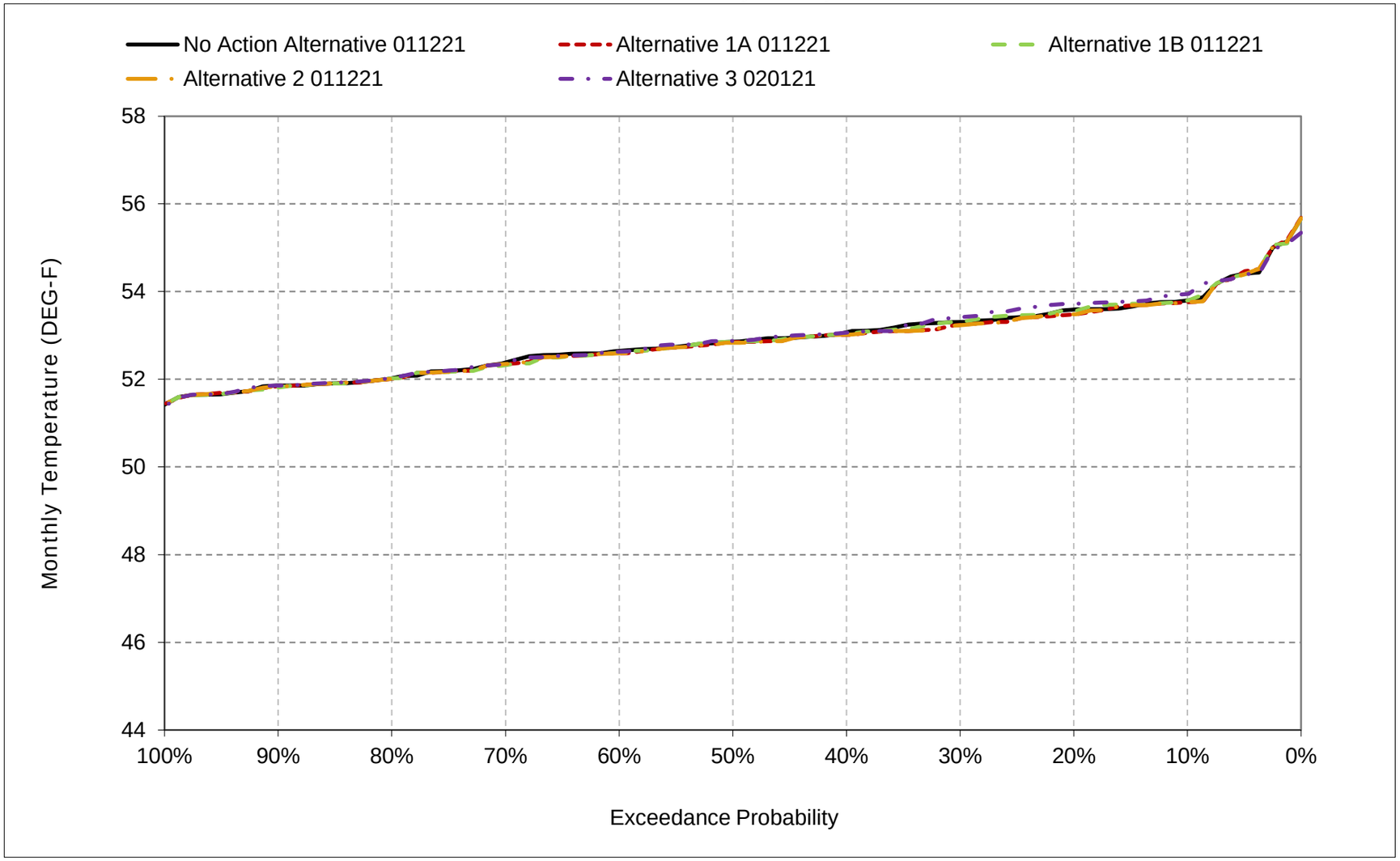
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-7-15. Sacramento River at Balls Ferry, June



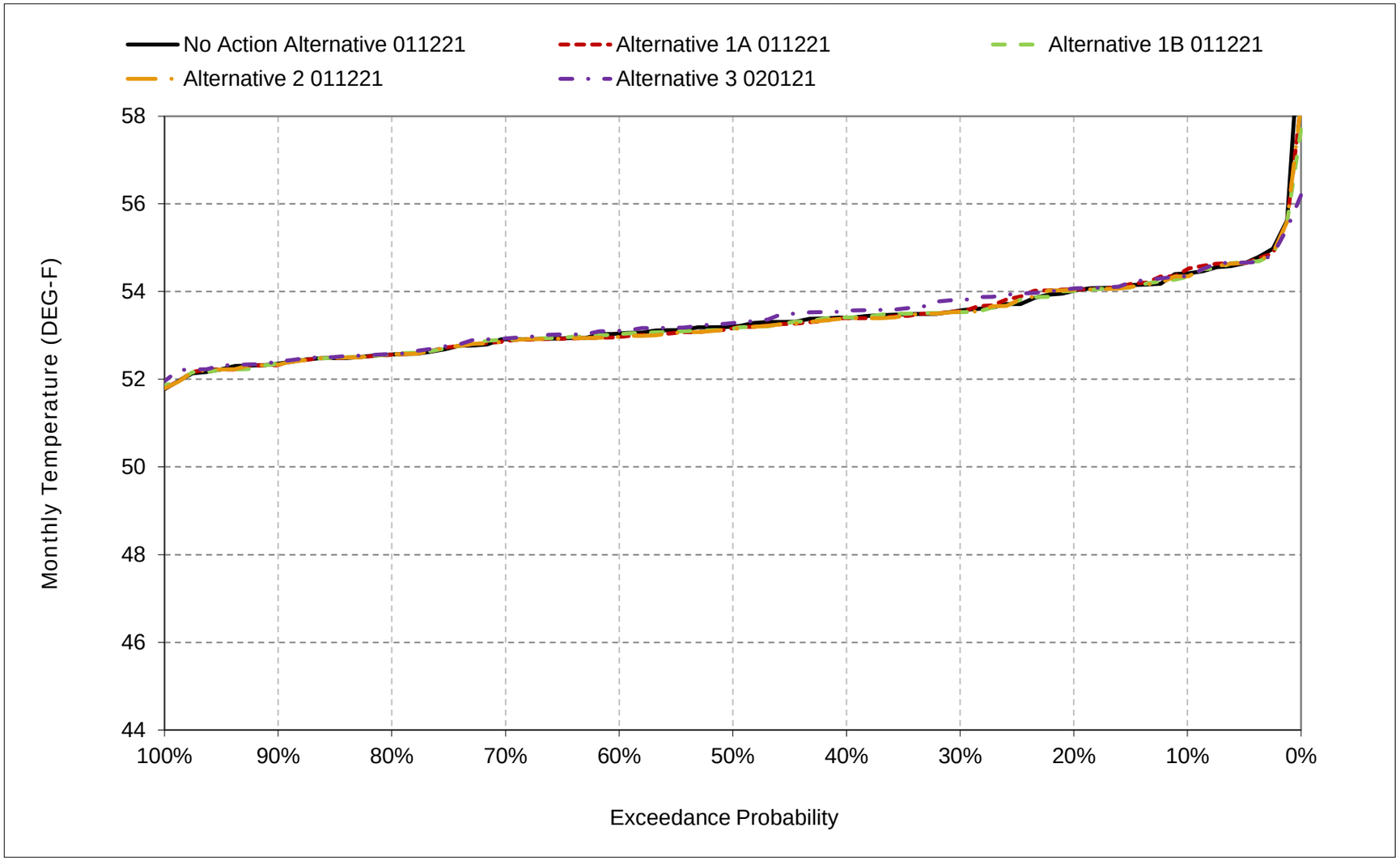
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-7-16. Sacramento River at Balls Ferry, July



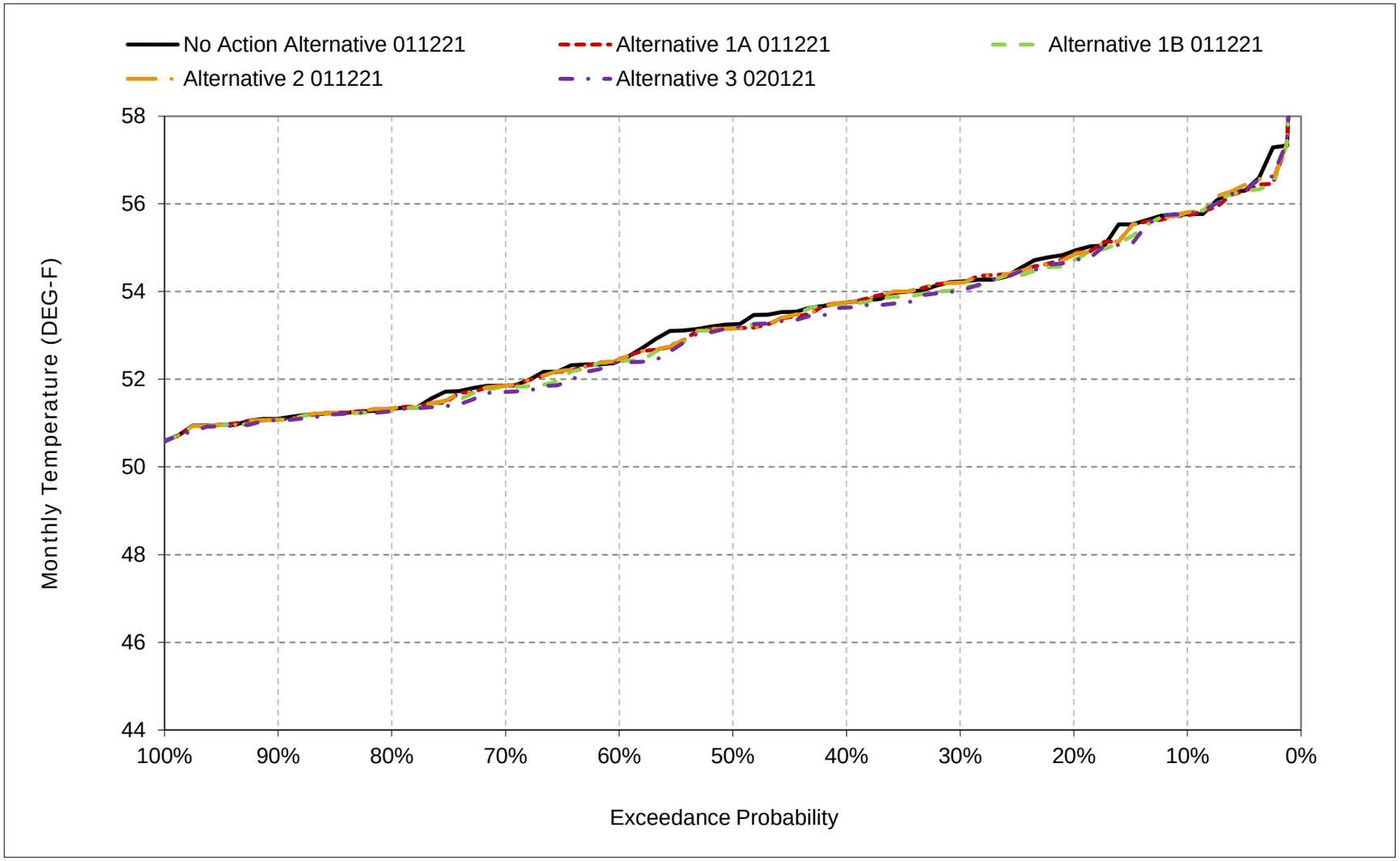
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-7-17. Sacramento River at Balls Ferry, August



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

Figure 6C-7-18. Sacramento River at Balls Ferry, September



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

Table 6C-8-1a. Sacramento River at Jellys Ferry, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.8	54.2	51.1	48.1	48.4	51.5	56.4	57.5	58.1	55.6	56.1	57.5
20%	54.9	53.8	50.6	47.3	48.0	50.9	55.9	56.8	57.0	55.3	55.6	56.5
30%	54.1	53.7	49.8	47.0	47.4	50.5	55.3	56.3	56.6	55.1	55.2	55.9
40%	53.9	53.3	49.3	46.5	47.2	50.1	54.9	56.0	56.1	54.8	54.9	55.4
50%	53.5	53.1	49.1	46.3	46.9	49.7	54.6	55.7	55.7	54.5	54.7	54.8
60%	53.4	52.8	48.7	46.1	46.6	49.4	54.2	55.4	55.3	54.2	54.4	53.9
70%	53.1	52.5	48.6	45.8	45.9	49.0	53.8	55.1	54.8	53.8	54.3	53.2
80%	52.9	52.2	48.2	45.7	45.7	48.1	53.2	54.6	54.4	53.4	54.0	52.5
90%	52.5	52.0	47.4	45.3	45.4	47.6	51.9	54.0	54.0	53.1	53.7	52.3
Long Term												
Full Simulation Period[a]	54.0	53.1	49.3	46.5	46.9	49.6	54.4	55.7	55.8	54.5	54.8	54.9
Water Year Types[b,c]												
Wet (32%)	53.1	53.2	49.8	46.1	46.0	48.4	53.1	55.4	56.4	54.6	54.4	53.0
Above Normal (15%)	53.5	52.8	49.0	46.4	46.4	49.0	54.3	55.6	55.6	53.7	54.3	53.5
Below Normal (17%)	53.7	52.7	49.1	46.3	46.6	50.0	54.9	55.8	54.9	53.9	54.6	55.0
Dry (22%)	54.0	52.8	49.0	46.7	47.6	50.6	55.5	56.1	54.8	54.3	55.0	56.0
Critical (15%)	56.7	53.8	49.1	47.4	48.5	51.0	54.9	56.1	57.4	55.9	56.3	58.3

Table 6C-8-1b. Sacramento River at Jellys Ferry, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.9	54.2	51.1	48.1	48.4	51.5	56.4	58.2	58.2	55.7	56.1	57.5
20%	54.6	53.8	50.5	47.4	48.0	50.9	55.8	56.9	57.2	55.3	55.6	56.5
30%	54.1	53.6	49.9	47.0	47.4	50.5	55.3	56.4	56.6	55.0	55.2	56.0
40%	53.8	53.3	49.3	46.5	47.2	50.1	54.9	56.1	56.1	54.7	54.9	55.3
50%	53.6	53.1	49.1	46.3	46.9	49.7	54.6	55.8	55.7	54.4	54.6	54.6
60%	53.4	52.7	48.8	46.1	46.6	49.4	54.3	55.5	55.4	54.2	54.4	53.9
70%	53.2	52.5	48.6	45.8	45.9	49.0	53.8	55.1	55.0	53.8	54.3	53.2
80%	52.9	52.2	48.2	45.7	45.7	48.1	53.2	54.7	54.4	53.4	54.0	52.5
90%	52.5	52.0	47.5	45.3	45.4	47.6	51.9	54.2	54.0	53.1	53.7	52.3
Long Term												
Full Simulation Period[a]	54.0	53.0	49.3	46.5	46.9	49.6	54.4	55.9	55.9	54.5	54.8	54.8
Water Year Types[b,c]												
Wet (32%)	53.1	53.2	49.8	46.1	46.0	48.4	53.1	55.4	56.5	54.6	54.4	53.0
Above Normal (15%)	53.5	52.8	49.0	46.4	46.3	49.0	54.3	55.7	55.6	53.7	54.3	53.5
Below Normal (17%)	53.7	52.7	49.1	46.3	46.7	50.0	54.9	55.9	55.0	53.8	54.6	55.0
Dry (22%)	54.0	52.8	49.0	46.7	47.6	50.6	55.6	56.2	55.0	54.3	54.9	55.9
Critical (15%)	56.6	53.7	49.1	47.4	48.5	51.0	54.8	56.5	57.5	55.8	56.3	58.1

Table 6C-8-1c. Sacramento River at Jellys Ferry, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.1	0.0	0.0
20%	-0.3	-0.1	-0.1	0.1	0.0	0.0	-0.1	0.0	0.2	0.0	0.1	0.0
30%	0.1	-0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.1	0.1
40%	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.1	-0.1	-0.1
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	-0.1	-0.2
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	-0.1	0.0
70%	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	-0.1	-0.1	-0.2
Critical (15%)	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.1	-0.1	-0.1	-0.2

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-8-2a. Sacramento River at Jellys Ferry, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.8	54.2	51.1	48.1	48.4	51.5	56.4	57.5	58.1	55.6	56.1	57.5
20%	54.9	53.8	50.6	47.3	48.0	50.9	55.9	56.8	57.0	55.3	55.6	56.5
30%	54.1	53.7	49.8	47.0	47.4	50.5	55.3	56.3	56.6	55.1	55.2	55.9
40%	53.9	53.3	49.3	46.5	47.2	50.1	54.9	56.0	56.1	54.8	54.9	55.4
50%	53.5	53.1	49.1	46.3	46.9	49.7	54.6	55.7	55.7	54.5	54.7	54.8
60%	53.4	52.8	48.7	46.1	46.6	49.4	54.2	55.4	55.3	54.2	54.4	53.9
70%	53.1	52.5	48.6	45.8	45.9	49.0	53.8	55.1	54.8	53.8	54.3	53.2
80%	52.9	52.2	48.2	45.7	45.7	48.1	53.2	54.6	54.4	53.4	54.0	52.5
90%	52.5	52.0	47.4	45.3	45.4	47.6	51.9	54.0	54.0	53.1	53.7	52.3
Long Term												
Full Simulation Period[a]	54.0	53.1	49.3	46.5	46.9	49.6	54.4	55.7	55.8	54.5	54.8	54.9
Water Year Types[b,c]												
Wet (32%)	53.1	53.2	49.8	46.1	46.0	48.4	53.1	55.4	56.4	54.6	54.4	53.0
Above Normal (15%)	53.5	52.8	49.0	46.4	46.4	49.0	54.3	55.6	55.6	53.7	54.3	53.5
Below Normal (17%)	53.7	52.7	49.1	46.3	46.6	50.0	54.9	55.8	54.9	53.9	54.6	55.0
Dry (22%)	54.0	52.8	49.0	46.7	47.6	50.6	55.5	56.1	54.8	54.3	55.0	56.0
Critical (15%)	56.7	53.8	49.1	47.4	48.5	51.0	54.9	56.1	57.4	55.9	56.3	58.3

Table 6C-8-2b. Sacramento River at Jellys Ferry, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.8	54.2	51.1	48.1	48.4	51.6	56.4	58.1	58.2	55.9	56.0	57.5
20%	54.6	53.7	50.5	47.4	48.0	50.9	55.9	57.0	57.3	55.3	55.6	56.3
30%	54.1	53.7	49.8	47.0	47.4	50.5	55.4	56.6	56.7	55.0	55.1	55.7
40%	53.8	53.3	49.3	46.5	47.2	50.0	54.9	56.1	56.2	54.8	54.9	55.2
50%	53.5	53.1	49.1	46.3	46.9	49.7	54.6	55.8	55.8	54.4	54.6	54.7
60%	53.4	52.8	48.8	46.1	46.6	49.4	54.3	55.4	55.5	54.2	54.4	53.8
70%	53.1	52.5	48.6	45.8	45.9	49.0	53.7	55.1	55.0	53.8	54.3	53.1
80%	52.9	52.2	48.1	45.7	45.7	48.1	53.2	54.7	54.6	53.4	54.0	52.5
90%	52.5	52.0	47.5	45.3	45.4	47.6	51.9	54.2	54.0	53.1	53.7	52.3
Long Term												
Full Simulation Period[a]	54.0	53.1	49.3	46.5	46.9	49.6	54.4	55.9	56.0	54.5	54.8	54.7
Water Year Types[b,c]												
Wet (32%)	53.1	53.2	49.8	46.1	46.0	48.4	53.1	55.4	56.5	54.6	54.4	53.0
Above Normal (15%)	53.4	52.7	49.0	46.4	46.3	49.0	54.3	55.7	56.0	53.9	54.3	53.2
Below Normal (17%)	53.7	52.7	49.1	46.3	46.6	50.0	55.0	56.1	55.1	53.9	54.6	54.9
Dry (22%)	54.0	52.9	49.0	46.7	47.6	50.6	55.7	56.2	54.9	54.2	55.0	55.9
Critical (15%)	56.6	53.9	49.1	47.4	48.5	51.1	54.8	56.5	57.5	55.8	56.1	58.0

Table 6C-8-2c. Sacramento River at Jellys Ferry, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.3	-0.1	0.0
20%	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	-0.2
30%	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.3	0.1	-0.1	0.0	-0.2
40%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	-0.2
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	-0.1	-0.1
60%	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.0	-0.1
70%	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.2	-0.1	0.0	0.0
80%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.2	0.0	-0.3
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	-0.1
Dry (22%)	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	-0.1	-0.1	-0.2
Critical (15%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	-0.1	-0.2	-0.3

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-8-3a. Sacramento River at Jellys Ferry, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.8	54.2	51.1	48.1	48.4	51.5	56.4	57.5	58.1	55.6	56.1	57.5
20%	54.9	53.8	50.6	47.3	48.0	50.9	55.9	56.8	57.0	55.3	55.6	56.5
30%	54.1	53.7	49.8	47.0	47.4	50.5	55.3	56.3	56.6	55.1	55.2	55.9
40%	53.9	53.3	49.3	46.5	47.2	50.1	54.9	56.0	56.1	54.8	54.9	55.4
50%	53.5	53.1	49.1	46.3	46.9	49.7	54.6	55.7	55.7	54.5	54.7	54.8
60%	53.4	52.8	48.7	46.1	46.6	49.4	54.2	55.4	55.3	54.2	54.4	53.9
70%	53.1	52.5	48.6	45.8	45.9	49.0	53.8	55.1	54.8	53.8	54.3	53.2
80%	52.9	52.2	48.2	45.7	45.7	48.1	53.2	54.6	54.4	53.4	54.0	52.5
90%	52.5	52.0	47.4	45.3	45.4	47.6	51.9	54.0	54.0	53.1	53.7	52.3
Long Term												
Full Simulation Period[a]	54.0	53.1	49.3	46.5	46.9	49.6	54.4	55.7	55.8	54.5	54.8	54.9
Water Year Types[b,c]												
Wet (32%)	53.1	53.2	49.8	46.1	46.0	48.4	53.1	55.4	56.4	54.6	54.4	53.0
Above Normal (15%)	53.5	52.8	49.0	46.4	46.4	49.0	54.3	55.6	55.6	53.7	54.3	53.5
Below Normal (17%)	53.7	52.7	49.1	46.3	46.6	50.0	54.9	55.8	54.9	53.9	54.6	55.0
Dry (22%)	54.0	52.8	49.0	46.7	47.6	50.6	55.5	56.1	54.8	54.3	55.0	56.0
Critical (15%)	56.7	53.8	49.1	47.4	48.5	51.0	54.9	56.1	57.4	55.9	56.3	58.3

Table 6C-8-3b. Sacramento River at Jellys Ferry, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.9	54.2	51.1	48.1	48.5	51.5	56.5	58.2	58.2	55.7	56.0	57.6
20%	54.6	53.8	50.5	47.4	48.0	50.9	55.8	56.9	57.2	55.3	55.6	56.5
30%	54.1	53.6	49.9	47.0	47.4	50.5	55.4	56.4	56.6	55.0	55.1	56.0
40%	53.8	53.3	49.3	46.5	47.2	50.1	54.9	56.1	56.1	54.7	54.9	55.3
50%	53.6	53.1	49.1	46.3	46.9	49.7	54.6	55.8	55.7	54.4	54.6	54.6
60%	53.4	52.7	48.8	46.1	46.6	49.4	54.2	55.5	55.4	54.2	54.4	53.9
70%	53.1	52.5	48.6	45.8	45.9	49.0	53.8	55.1	55.0	53.8	54.3	53.2
80%	53.0	52.2	48.2	45.7	45.7	48.1	53.2	54.7	54.4	53.4	54.0	52.5
90%	52.5	52.0	47.5	45.3	45.4	47.6	51.9	54.2	54.0	53.1	53.7	52.3
Long Term												
Full Simulation Period[a]	54.0	53.1	49.3	46.5	46.9	49.6	54.4	55.9	55.9	54.5	54.8	54.8
Water Year Types[b,c]												
Wet (32%)	53.1	53.2	49.8	46.1	46.0	48.4	53.1	55.4	56.5	54.6	54.4	53.0
Above Normal (15%)	53.5	52.8	49.0	46.4	46.3	49.0	54.3	55.7	55.6	53.7	54.3	53.5
Below Normal (17%)	53.7	52.7	49.1	46.3	46.6	50.0	54.9	55.9	55.0	53.8	54.6	55.0
Dry (22%)	54.0	52.8	49.0	46.7	47.6	50.6	55.6	56.2	54.9	54.3	54.9	55.9
Critical (15%)	56.7	53.9	49.1	47.4	48.5	51.0	54.8	56.5	57.5	55.8	56.2	58.2

Table 6C-8-3c. Sacramento River at Jellys Ferry, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.1	-0.1	0.1
20%	-0.3	0.0	-0.1	0.1	0.0	0.0	-0.1	0.1	0.2	0.0	0.1	0.0
30%	0.1	-0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	0.1
40%	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.1	0.0	-0.1
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	-0.1	-0.2
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	-0.1	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	-0.1	-0.1	-0.2
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	-0.1	-0.2	-0.2

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-8-4a. Sacramento River at Jellys Ferry, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.8	54.2	51.1	48.1	48.4	51.5	56.4	57.5	58.1	55.6	56.1	57.5
20%	54.9	53.8	50.6	47.3	48.0	50.9	55.9	56.8	57.0	55.3	55.6	56.5
30%	54.1	53.7	49.8	47.0	47.4	50.5	55.3	56.3	56.6	55.1	55.2	55.9
40%	53.9	53.3	49.3	46.5	47.2	50.1	54.9	56.0	56.1	54.8	54.9	55.4
50%	53.5	53.1	49.1	46.3	46.9	49.7	54.6	55.7	55.7	54.5	54.7	54.8
60%	53.4	52.8	48.7	46.1	46.6	49.4	54.2	55.4	55.3	54.2	54.4	53.9
70%	53.1	52.5	48.6	45.8	45.9	49.0	53.8	55.1	54.8	53.8	54.3	53.2
80%	52.9	52.2	48.2	45.7	45.7	48.1	53.2	54.6	54.4	53.4	54.0	52.5
90%	52.5	52.0	47.4	45.3	45.4	47.6	51.9	54.0	54.0	53.1	53.7	52.3
Long Term												
Full Simulation Period[a]	54.0	53.1	49.3	46.5	46.9	49.6	54.4	55.7	55.8	54.5	54.8	54.9
Water Year Types[b,c]												
Wet (32%)	53.1	53.2	49.8	46.1	46.0	48.4	53.1	55.4	56.4	54.6	54.4	53.0
Above Normal (15%)	53.5	52.8	49.0	46.4	46.4	49.0	54.3	55.6	55.6	53.7	54.3	53.5
Below Normal (17%)	53.7	52.7	49.1	46.3	46.6	50.0	54.9	55.8	54.9	53.9	54.6	55.0
Dry (22%)	54.0	52.8	49.0	46.7	47.6	50.6	55.5	56.1	54.8	54.3	55.0	56.0
Critical (15%)	56.7	53.8	49.1	47.4	48.5	51.0	54.9	56.1	57.4	55.9	56.3	58.3

Table 6C-8-4b. Sacramento River at Jellys Ferry, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	55.6	54.2	51.1	48.1	48.4	51.6	56.4	57.9	58.1	55.9	56.1	57.5
20%	54.6	53.8	50.3	47.3	48.0	50.9	55.9	57.0	57.2	55.5	55.7	56.4
30%	54.0	53.6	49.8	47.0	47.4	50.5	55.4	56.6	56.7	55.2	55.4	55.8
40%	53.7	53.3	49.3	46.6	47.2	50.1	55.0	56.2	56.4	54.9	55.1	55.2
50%	53.5	53.0	49.2	46.3	46.8	49.7	54.7	55.8	55.8	54.5	54.7	54.7
60%	53.2	52.8	48.8	46.1	46.6	49.4	54.3	55.5	55.5	54.2	54.6	53.8
70%	53.1	52.5	48.7	45.8	45.9	49.0	53.7	55.1	55.1	53.8	54.3	53.0
80%	52.8	52.2	48.1	45.7	45.7	48.1	53.2	54.7	54.7	53.4	54.0	52.4
90%	52.5	52.0	47.7	45.2	45.4	47.6	51.9	54.2	54.2	53.1	53.7	52.3
Long Term												
Full Simulation Period[a]	53.9	53.0	49.3	46.5	46.9	49.6	54.4	55.9	56.0	54.5	54.9	54.7
Water Year Types[b,c]												
Wet (32%)	53.1	53.2	49.8	46.1	46.0	48.4	53.1	55.4	56.5	54.6	54.4	53.0
Above Normal (15%)	53.3	52.7	49.0	46.4	46.3	49.0	54.3	55.7	56.2	54.1	54.8	53.0
Below Normal (17%)	53.5	52.7	49.1	46.3	46.6	50.0	54.9	56.1	55.4	53.9	54.7	54.8
Dry (22%)	54.0	52.8	49.1	46.7	47.6	50.5	55.7	56.3	55.0	54.4	55.1	55.9
Critical (15%)	56.5	53.8	49.2	47.4	48.5	51.0	54.9	56.4	57.2	55.8	56.0	57.9

Table 6C-8-4c. Sacramento River at Jellys Ferry, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.0	0.3	0.0	0.0
20%	-0.3	0.0	-0.3	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.1	-0.1
30%	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.1	0.2	-0.2
40%	-0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.1	0.2	-0.2
50%	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	-0.1
60%	-0.2	0.0	0.0	0.0	-0.1	0.0	0.1	0.1	0.2	0.0	0.1	-0.1
70%	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.1	0.4	0.0	0.0	-0.2
80%	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.3	0.1	0.1	0.0
90%	0.0	0.0	0.3	-0.1	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	-0.2
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.4	0.5	-0.5
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.1	0.1	-0.2
Dry (22%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.0	0.1	-0.1
Critical (15%)	-0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.3	-0.2	-0.1	-0.3	-0.4

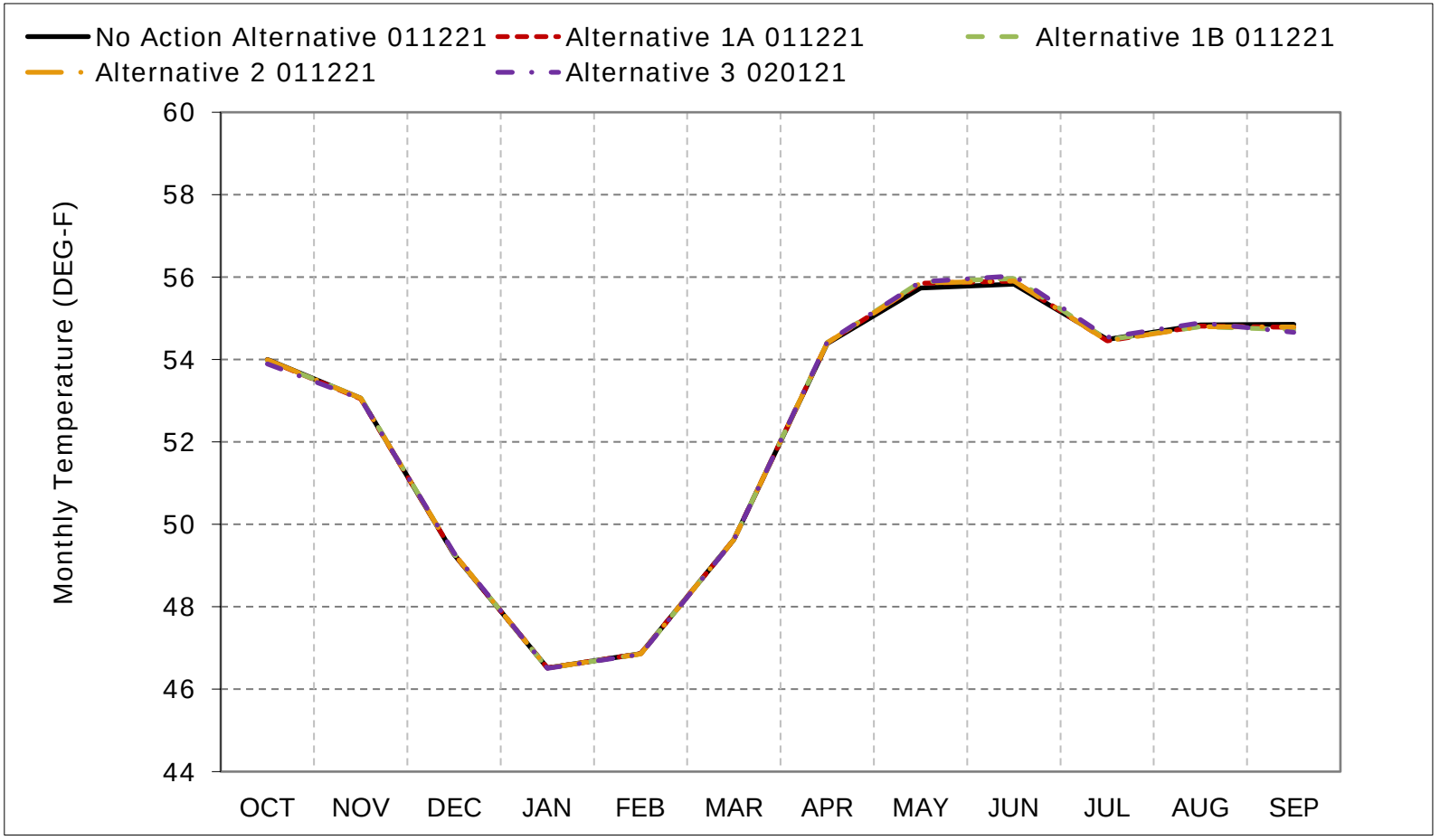
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

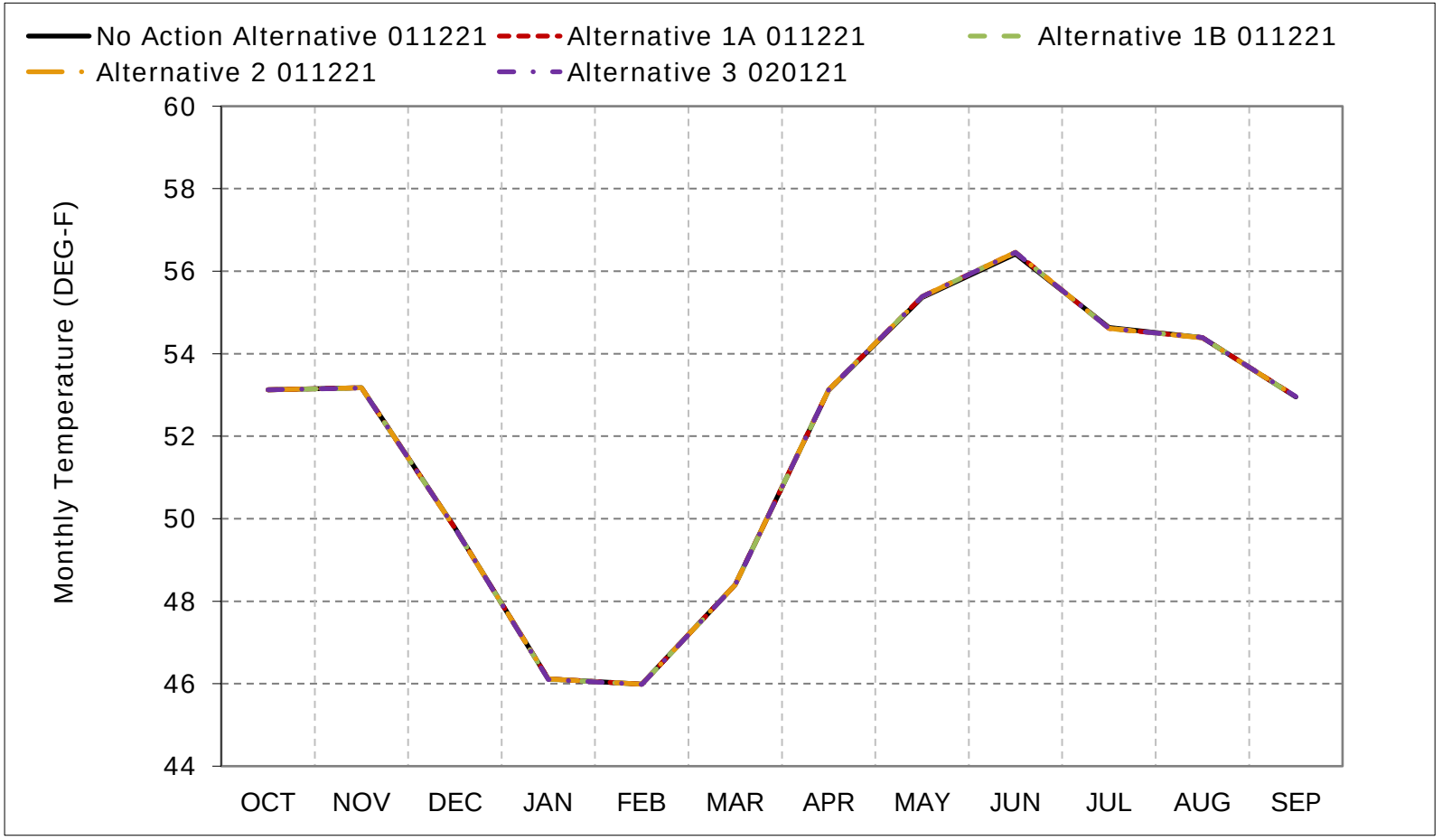
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-8-1. Sacramento River at Jellys Ferry, Long-Term Average Temperature



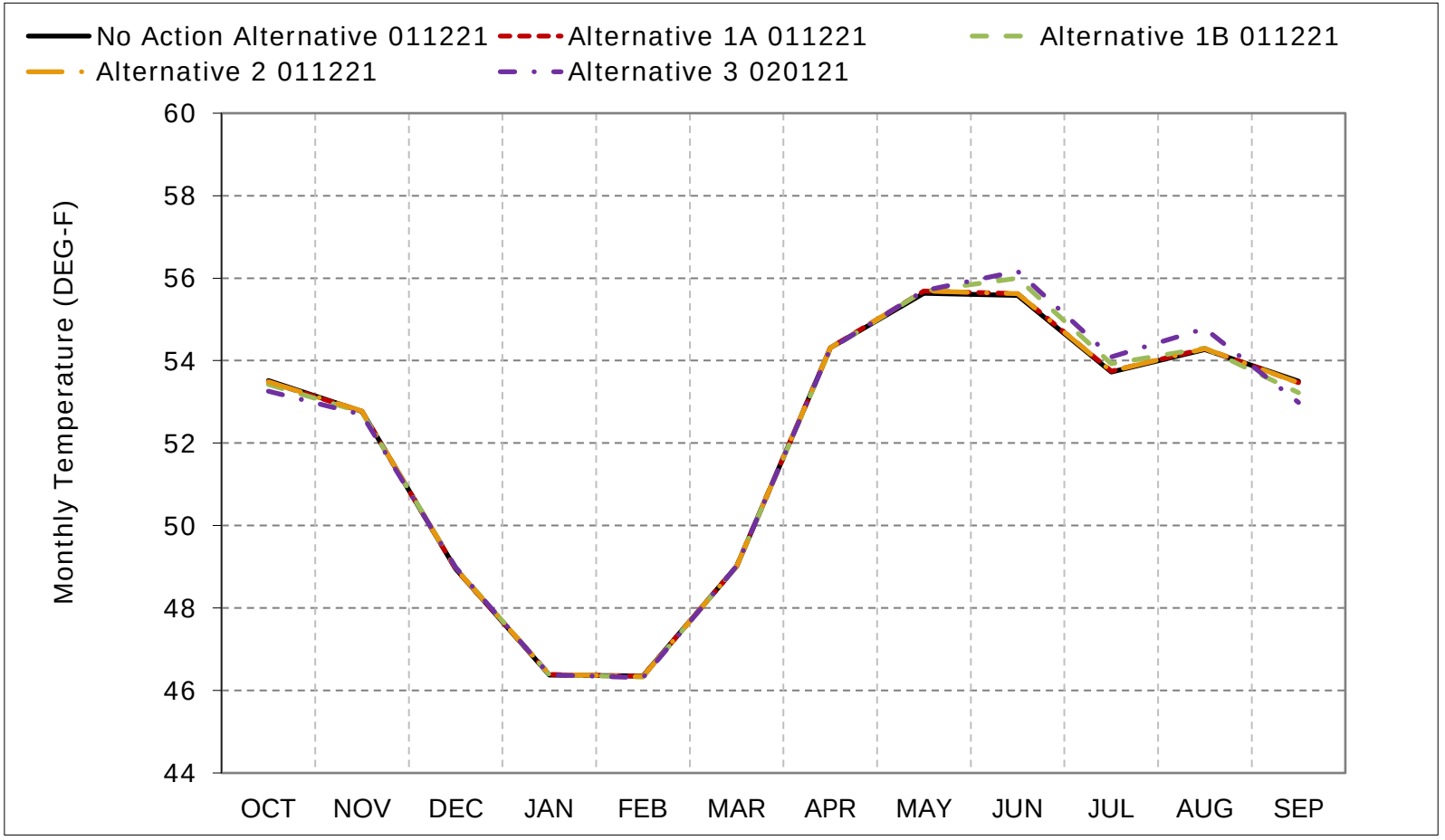
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-8-2. Sacramento River at Jellys Ferry, Wet Year Average Temperature



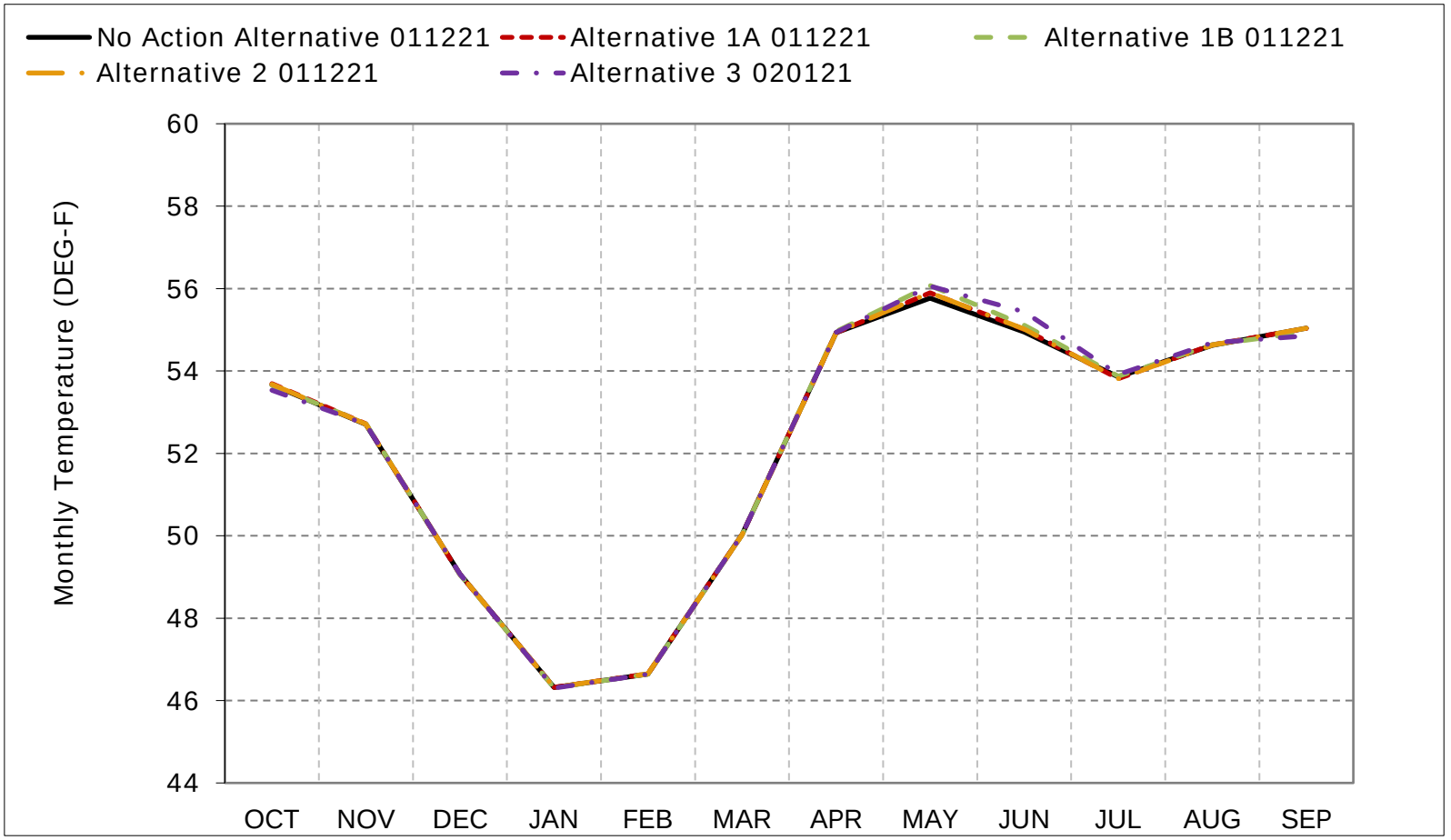
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-8-3. Sacramento River at Jellys Ferry, Above Normal Year Average Temperat



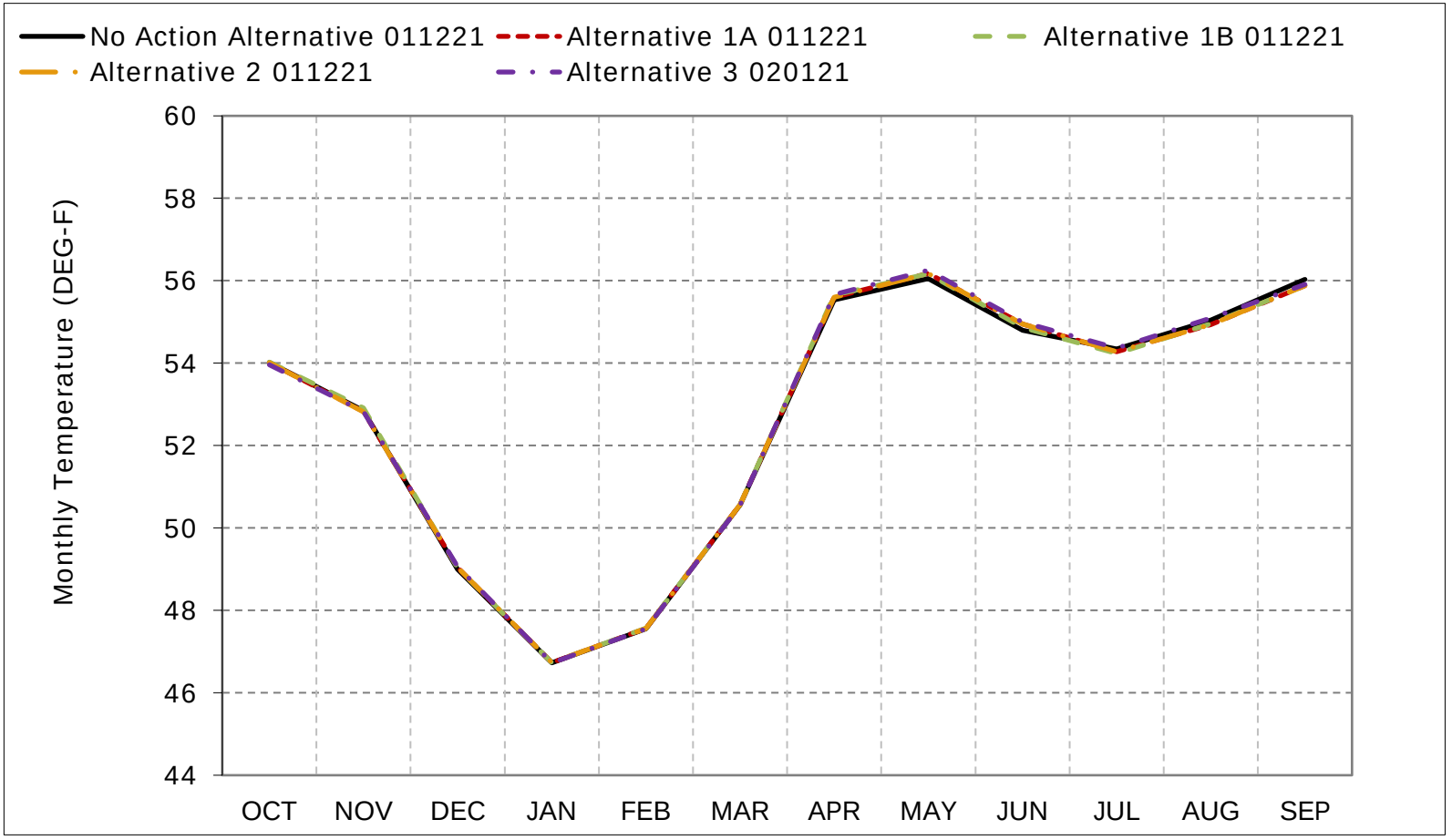
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-8-4. Sacramento River at Jellys Ferry, Below Normal Year Average Temperat



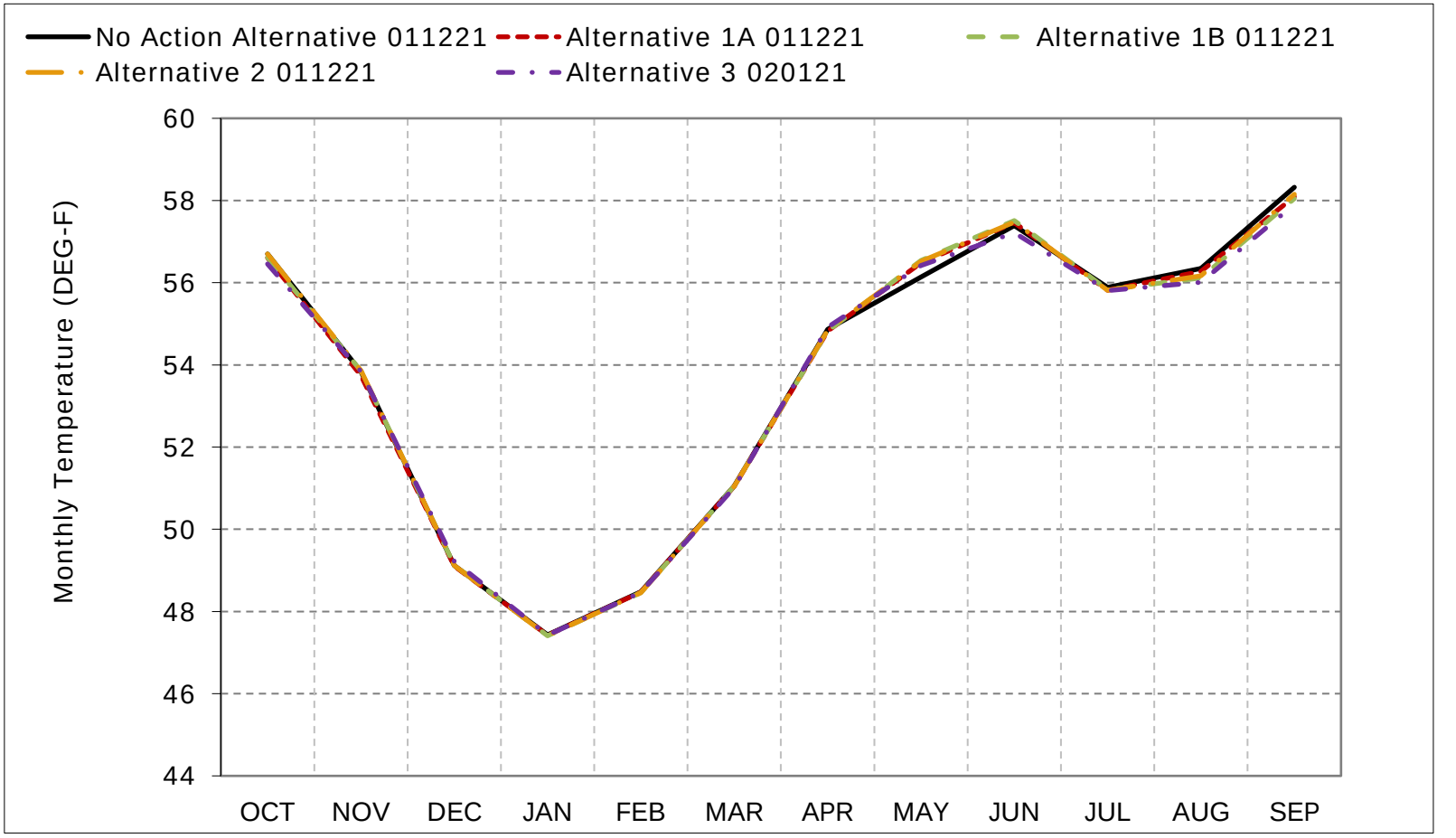
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-8-5. Sacramento River at Jellys Ferry, Dry Year Average Temperature



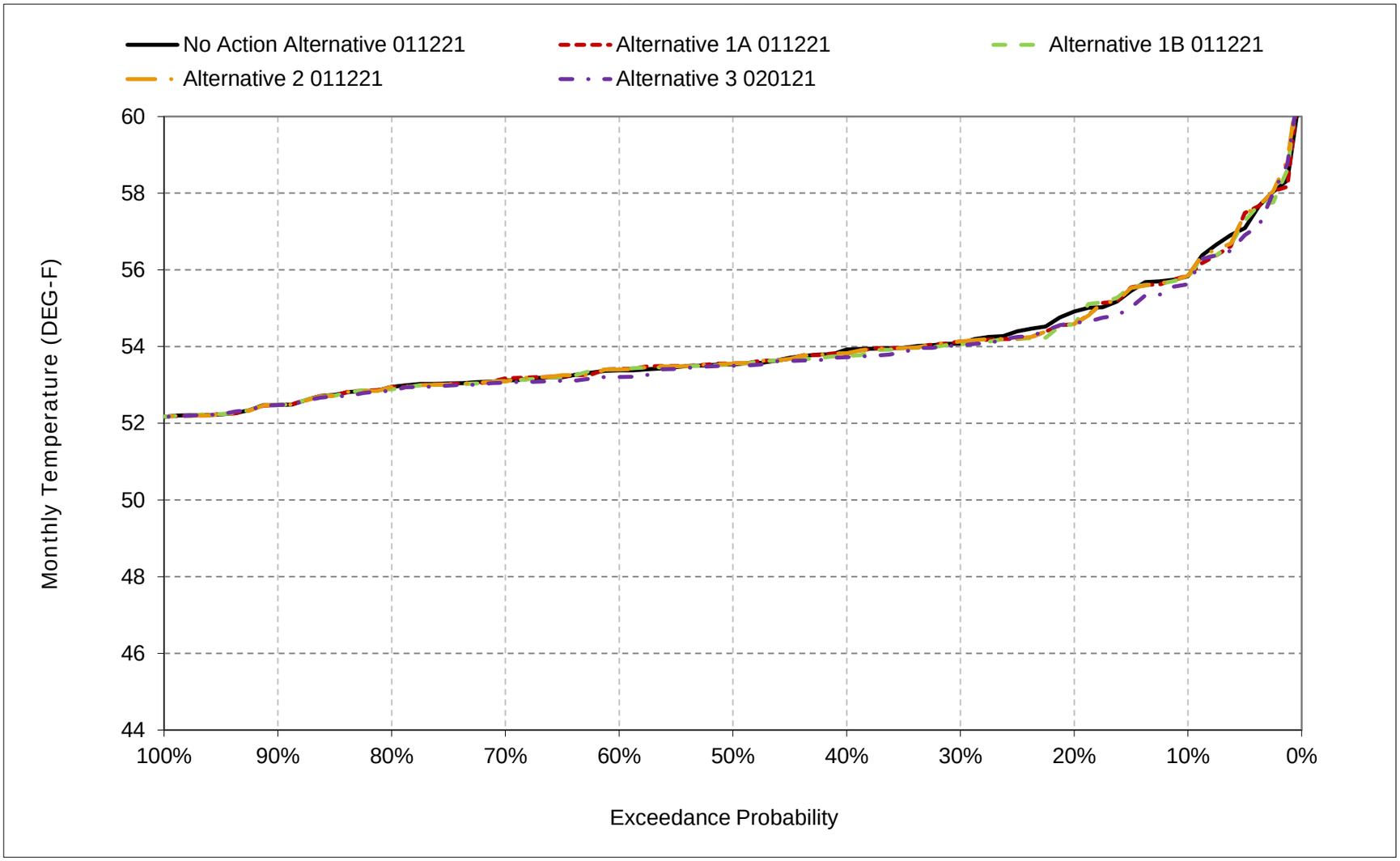
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-8-6. Sacramento River at Jellys Ferry, Critical Year Average Temperature



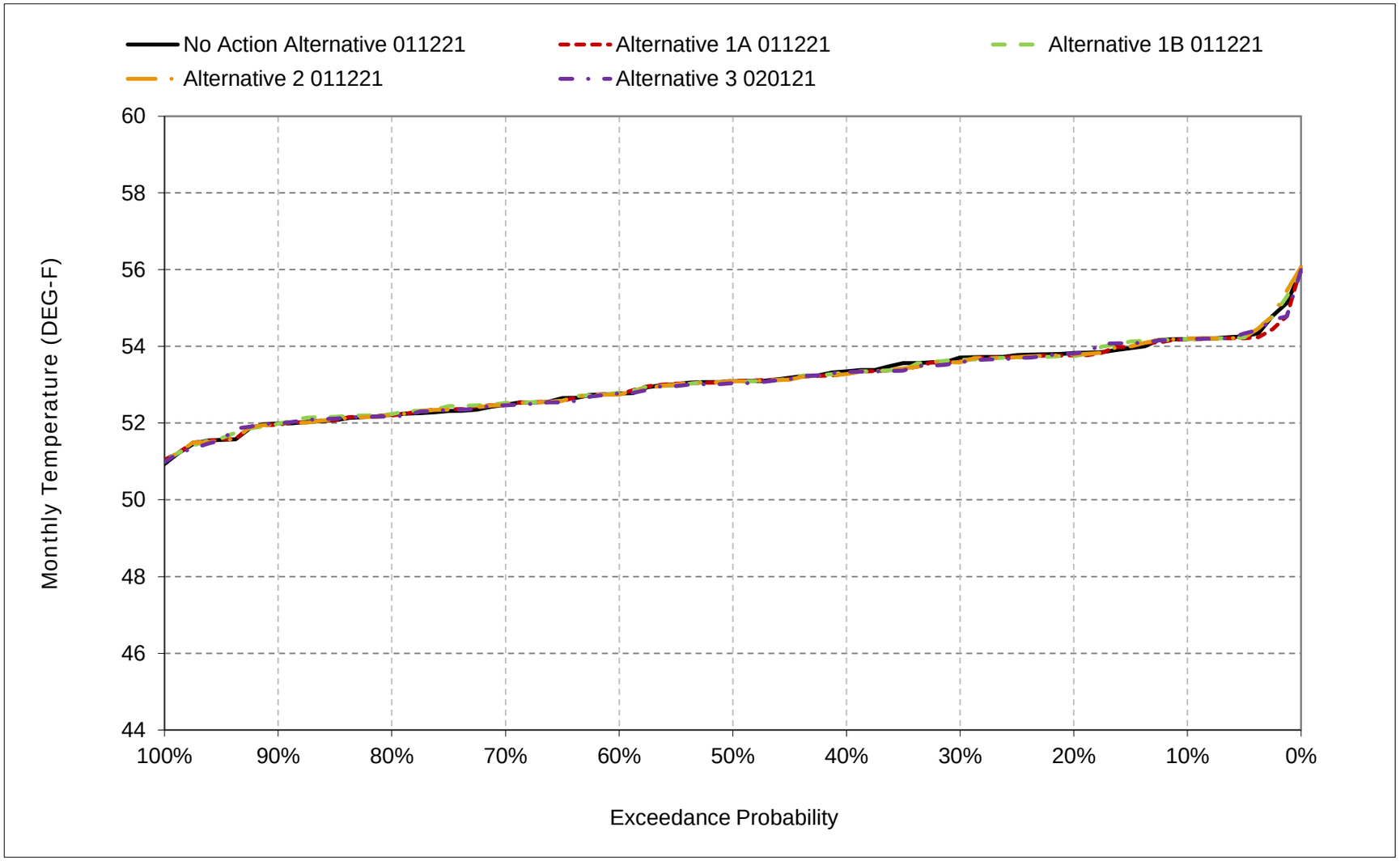
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-8-7. Sacramento River at Jellys Ferry, October



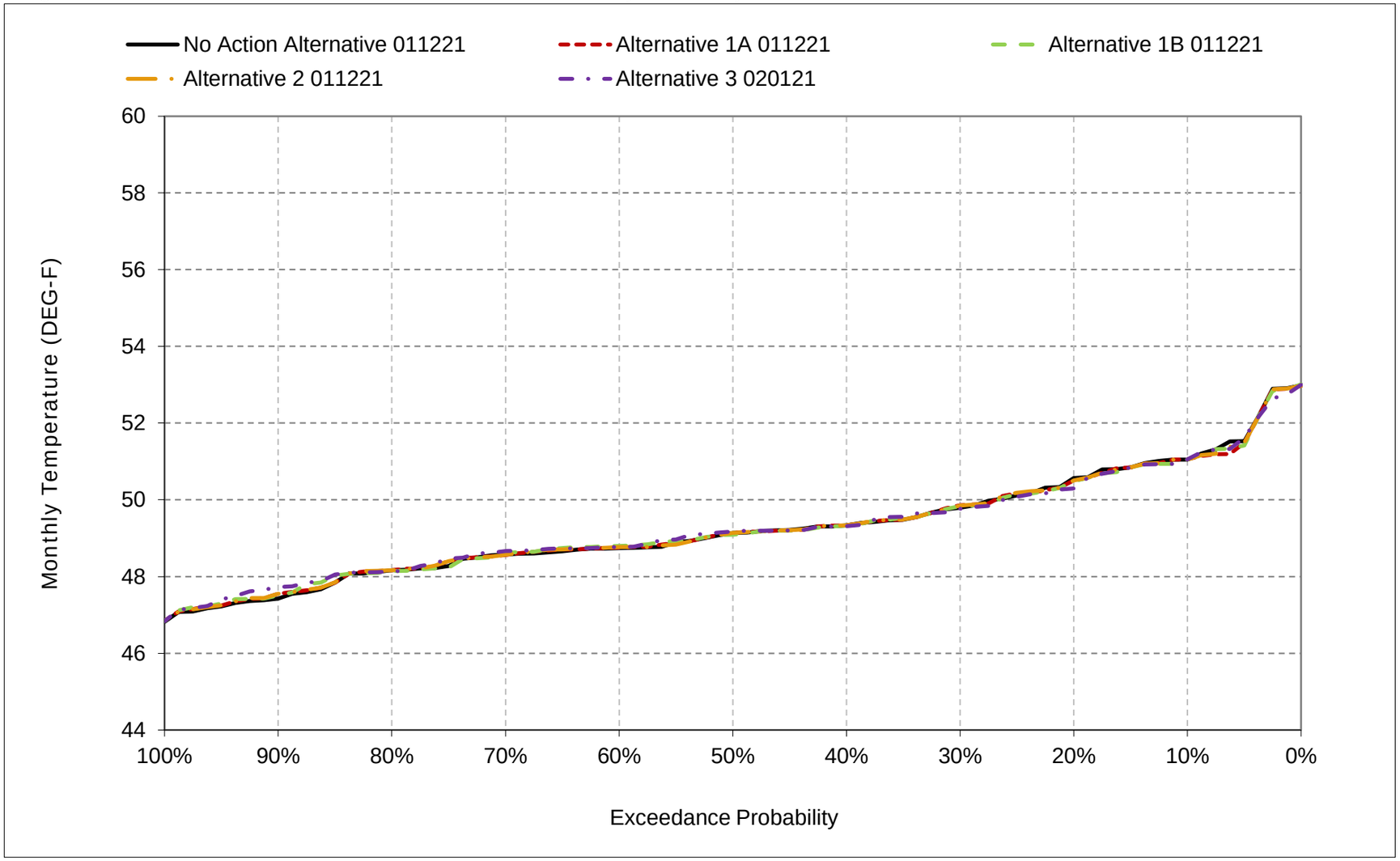
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-8-8. Sacramento River at Jellys Ferry, November



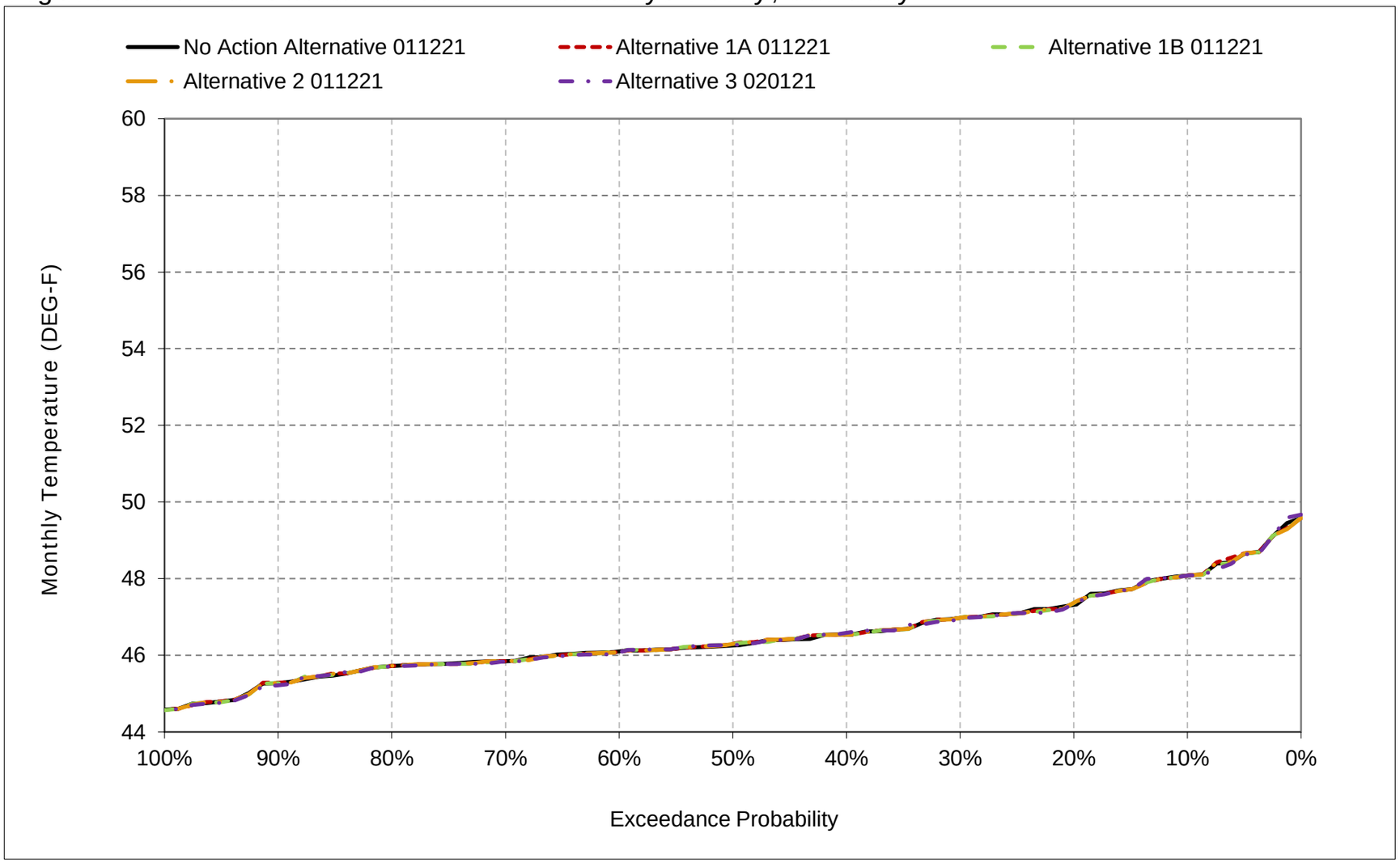
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-8-9. Sacramento River at Jellys Ferry, December



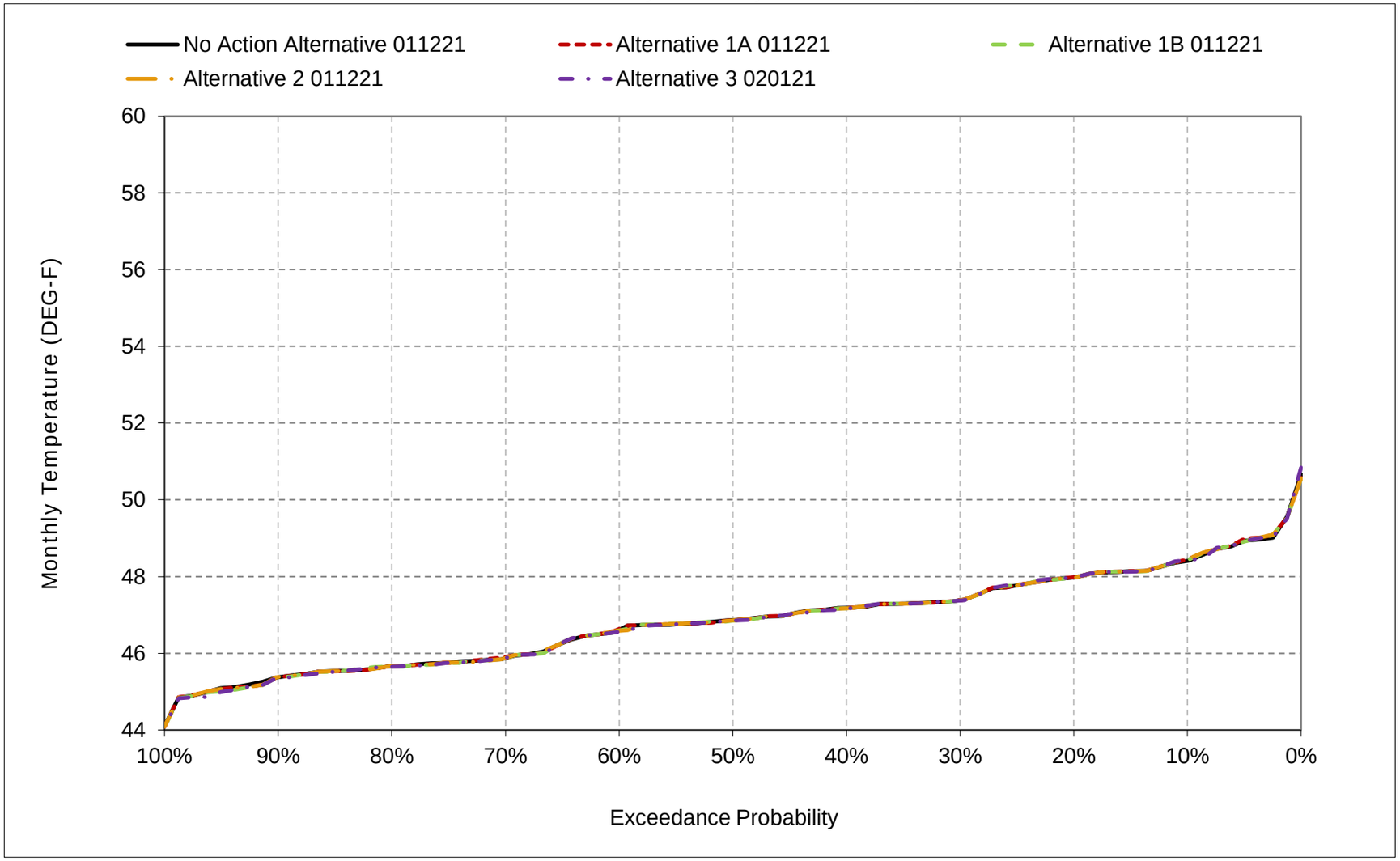
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-8-10. Sacramento River at Jellys Ferry, January



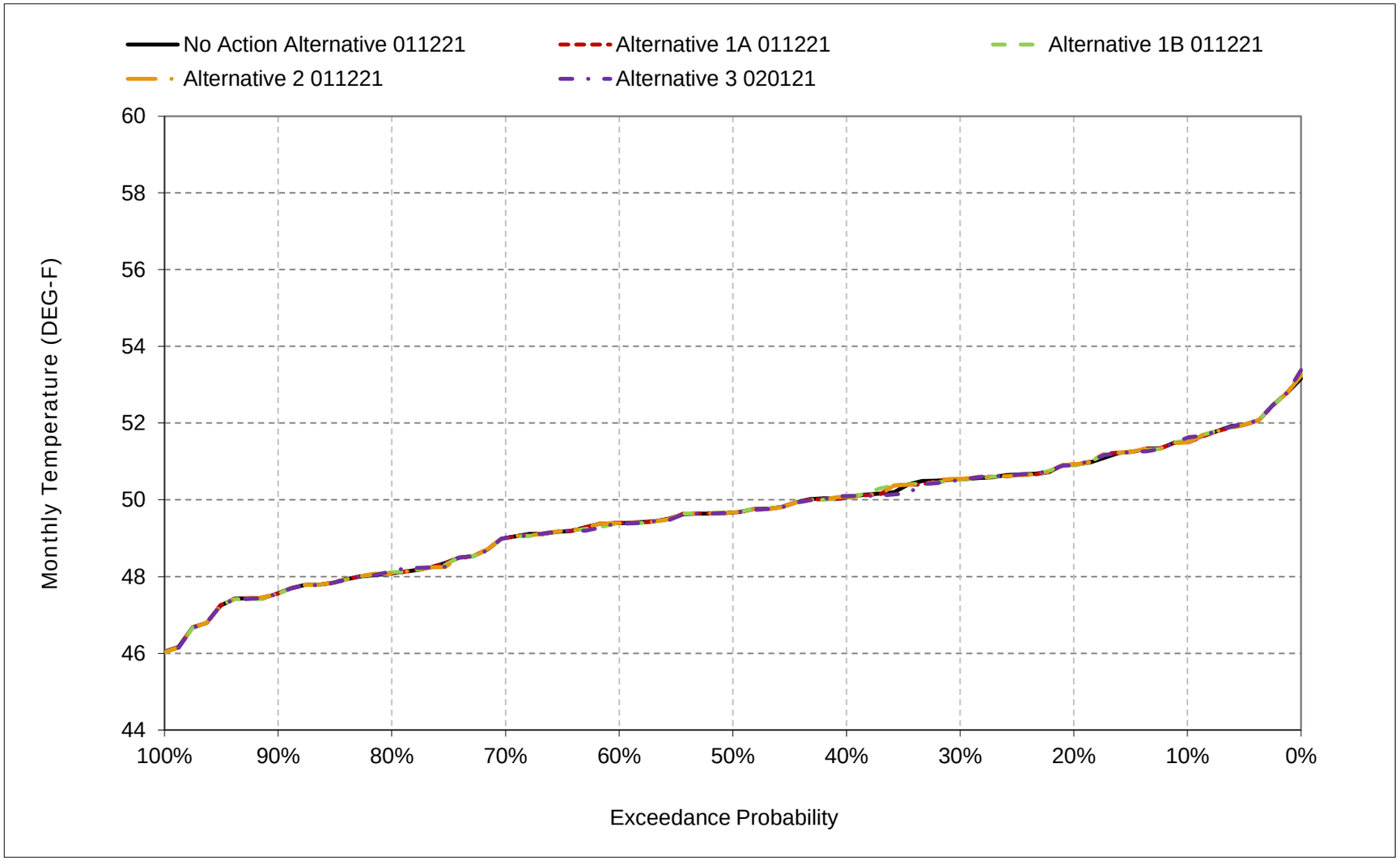
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-8-11. Sacramento River at Jellys Ferry, February



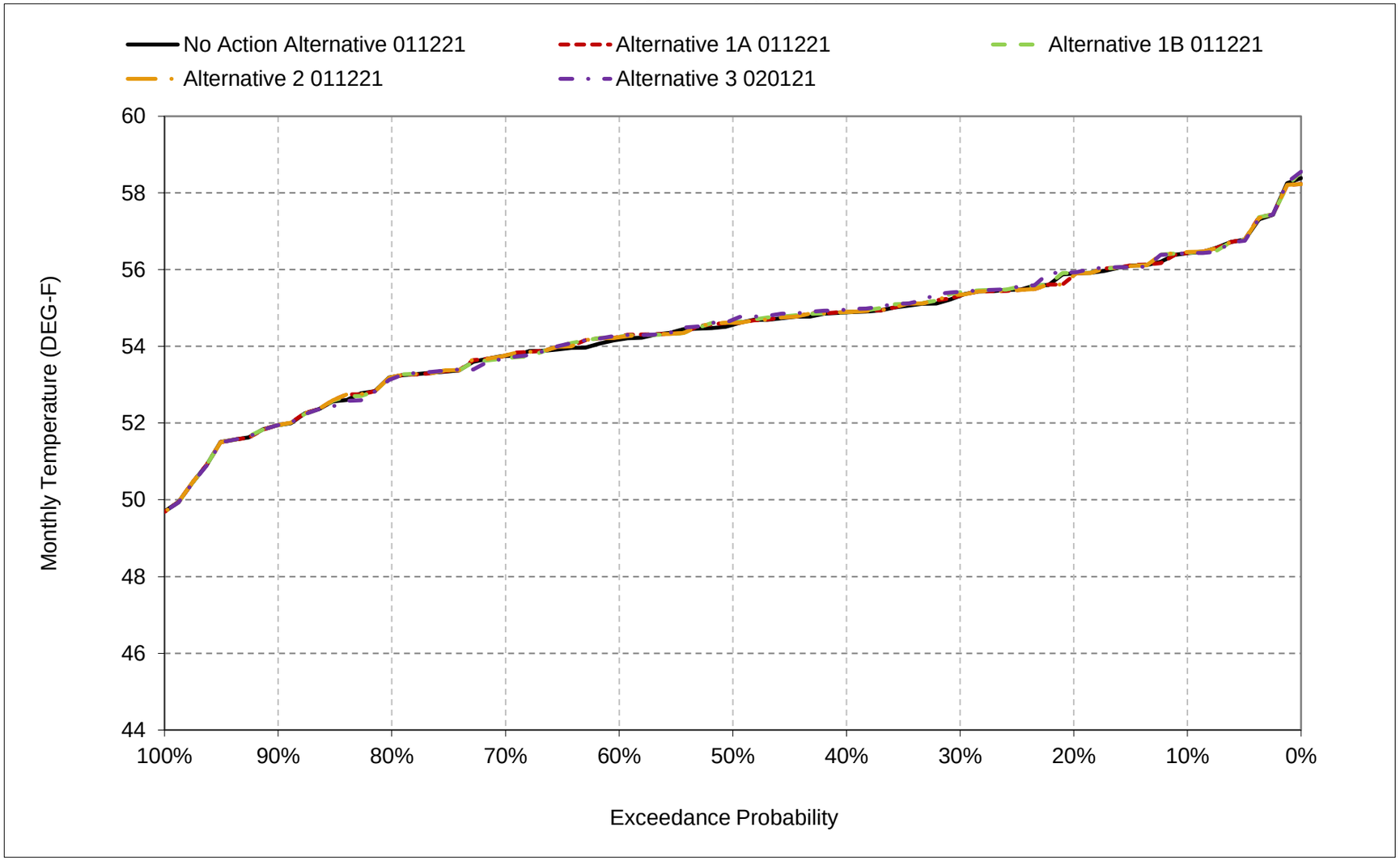
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-8-12. Sacramento River at Jellys Ferry, March



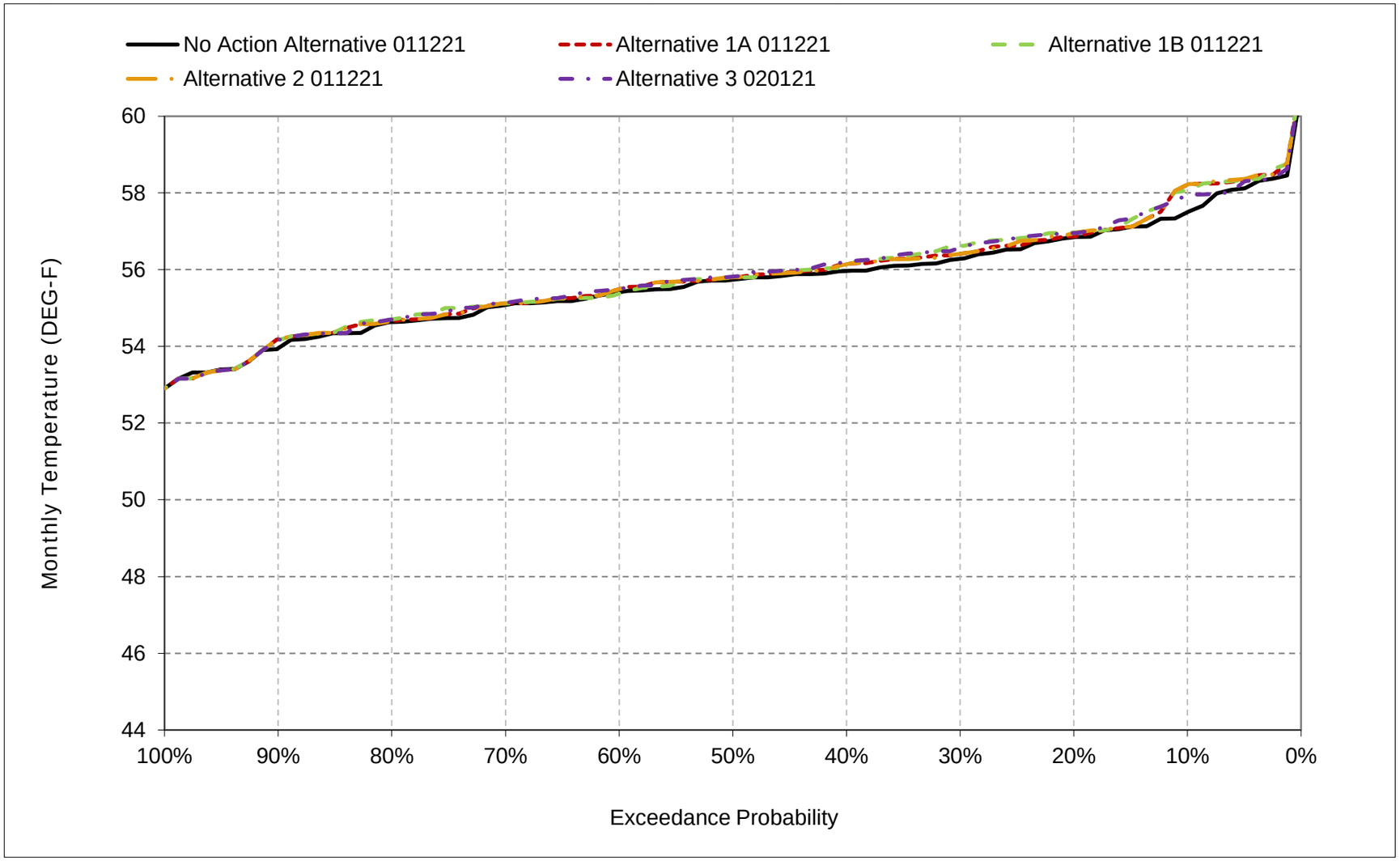
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-8-13. Sacramento River at Jellys Ferry, April



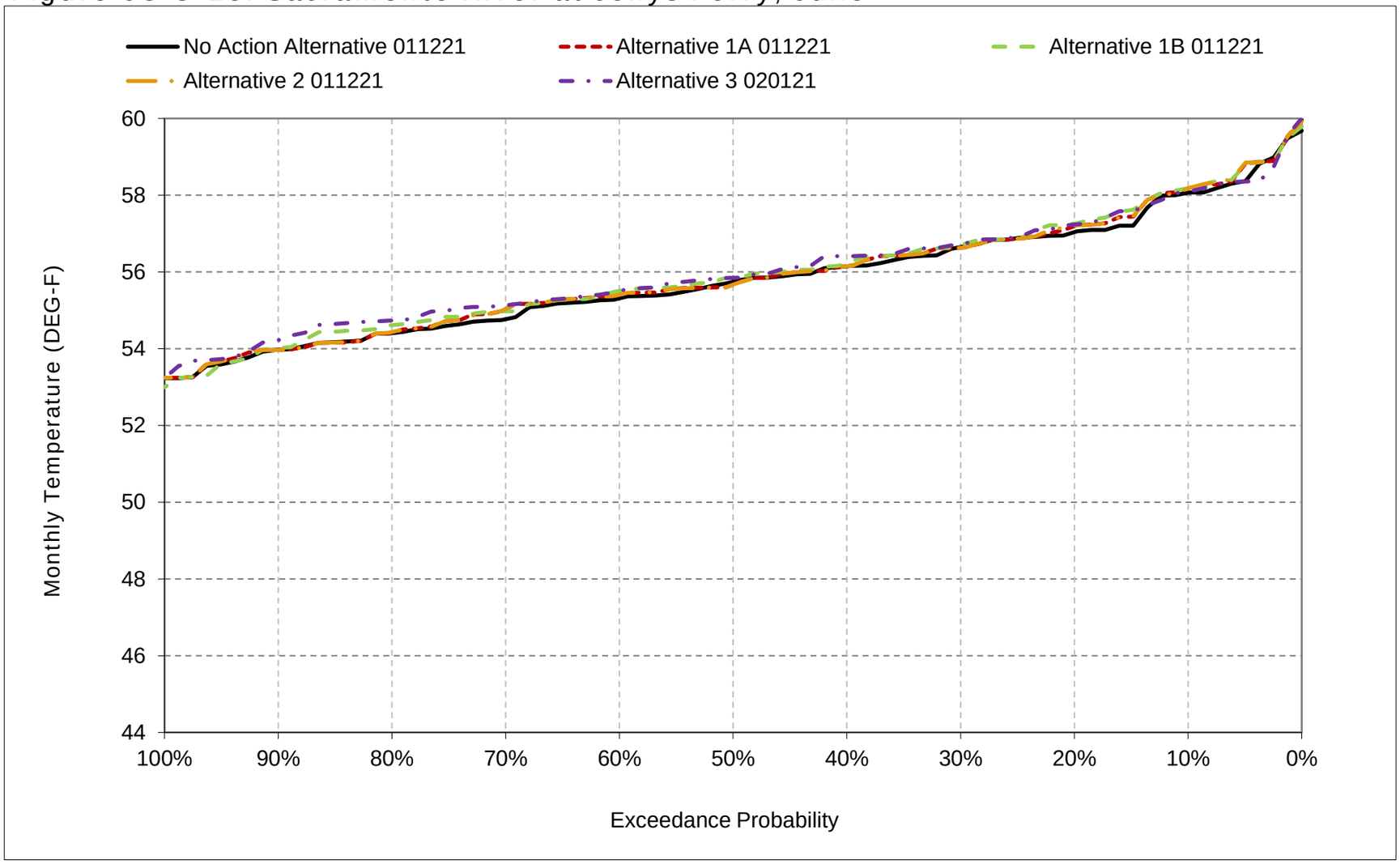
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-8-14. Sacramento River at Jellys Ferry, May



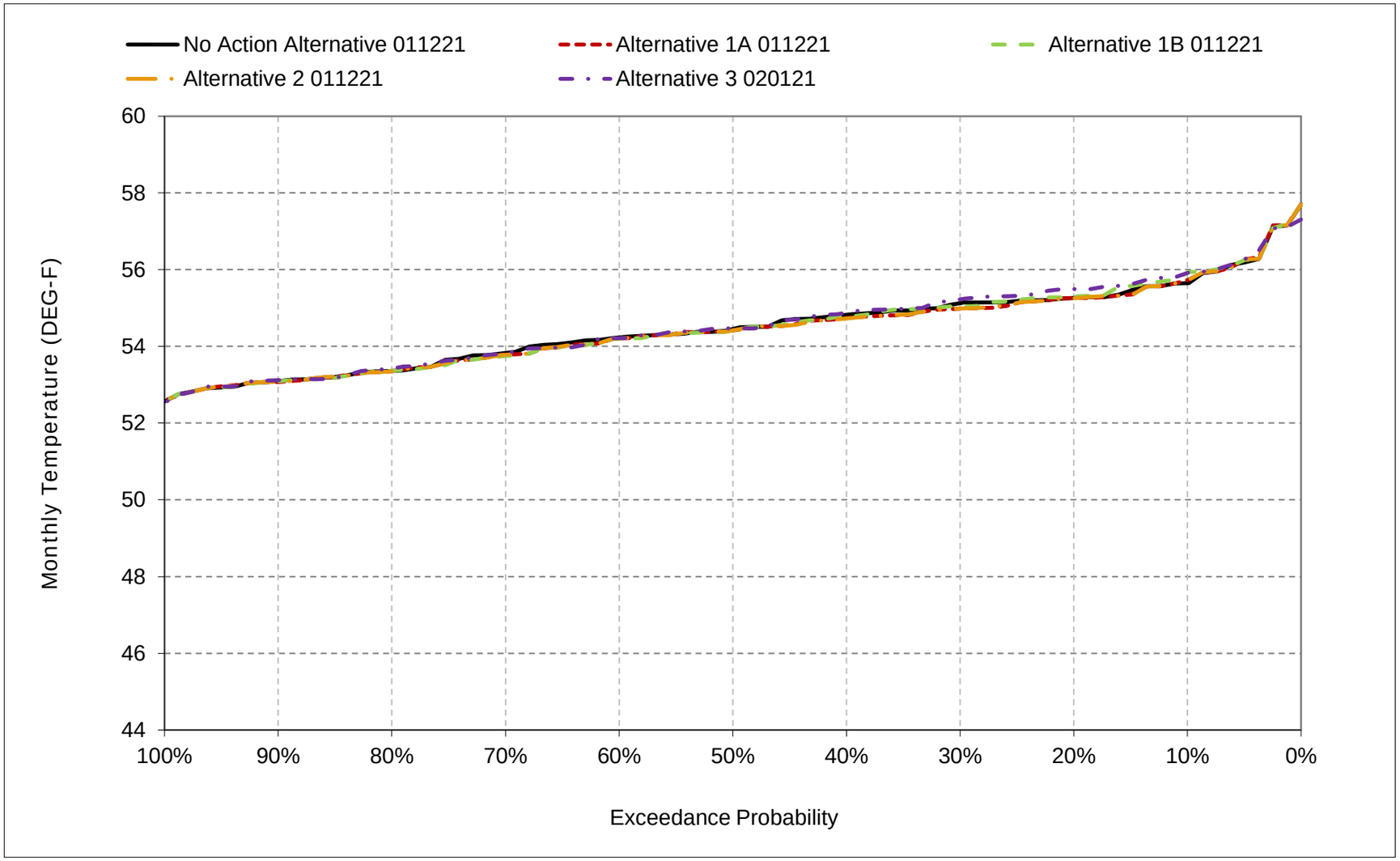
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-8-15. Sacramento River at Jellys Ferry, June



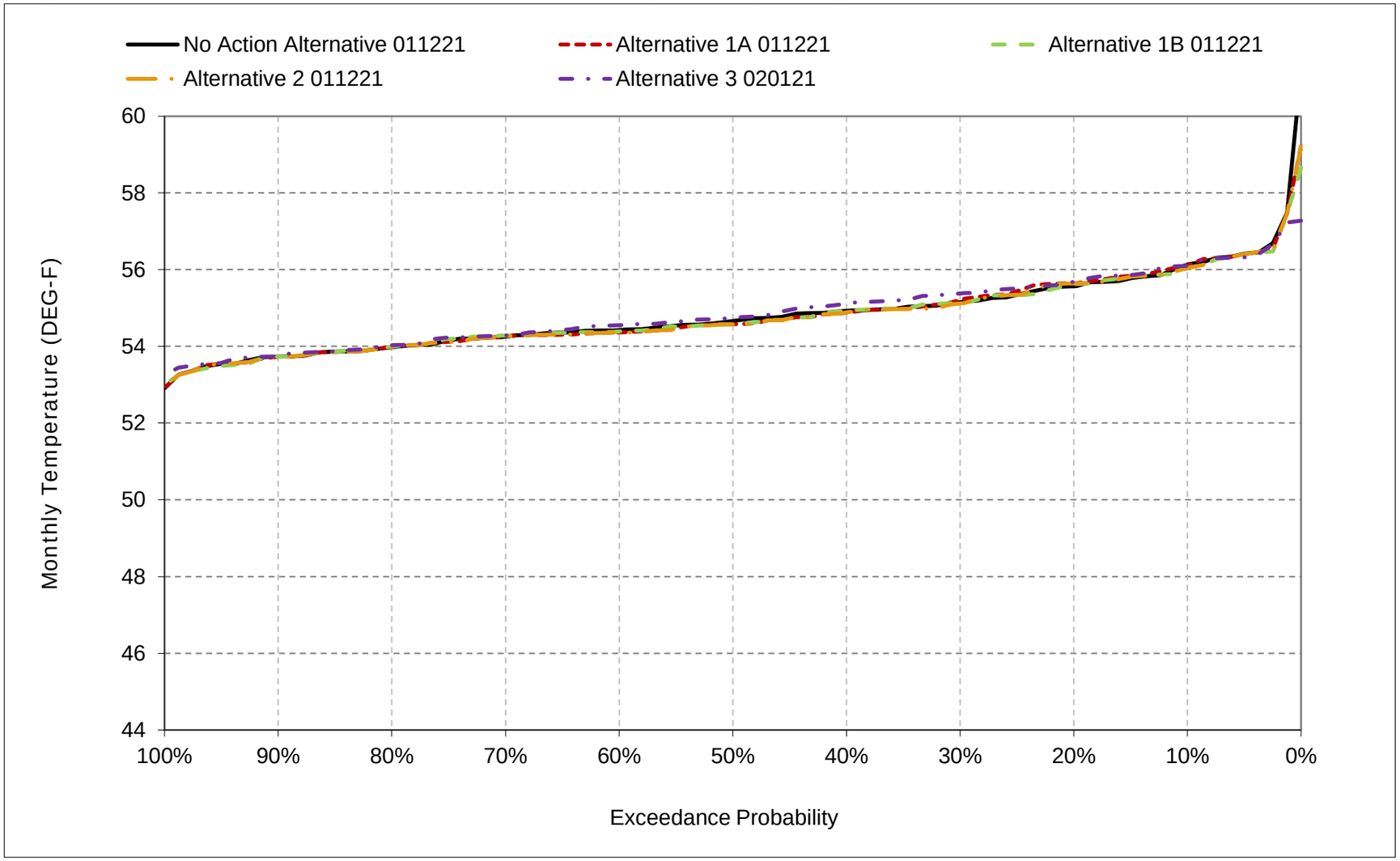
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-8-16. Sacramento River at Jellys Ferry, July



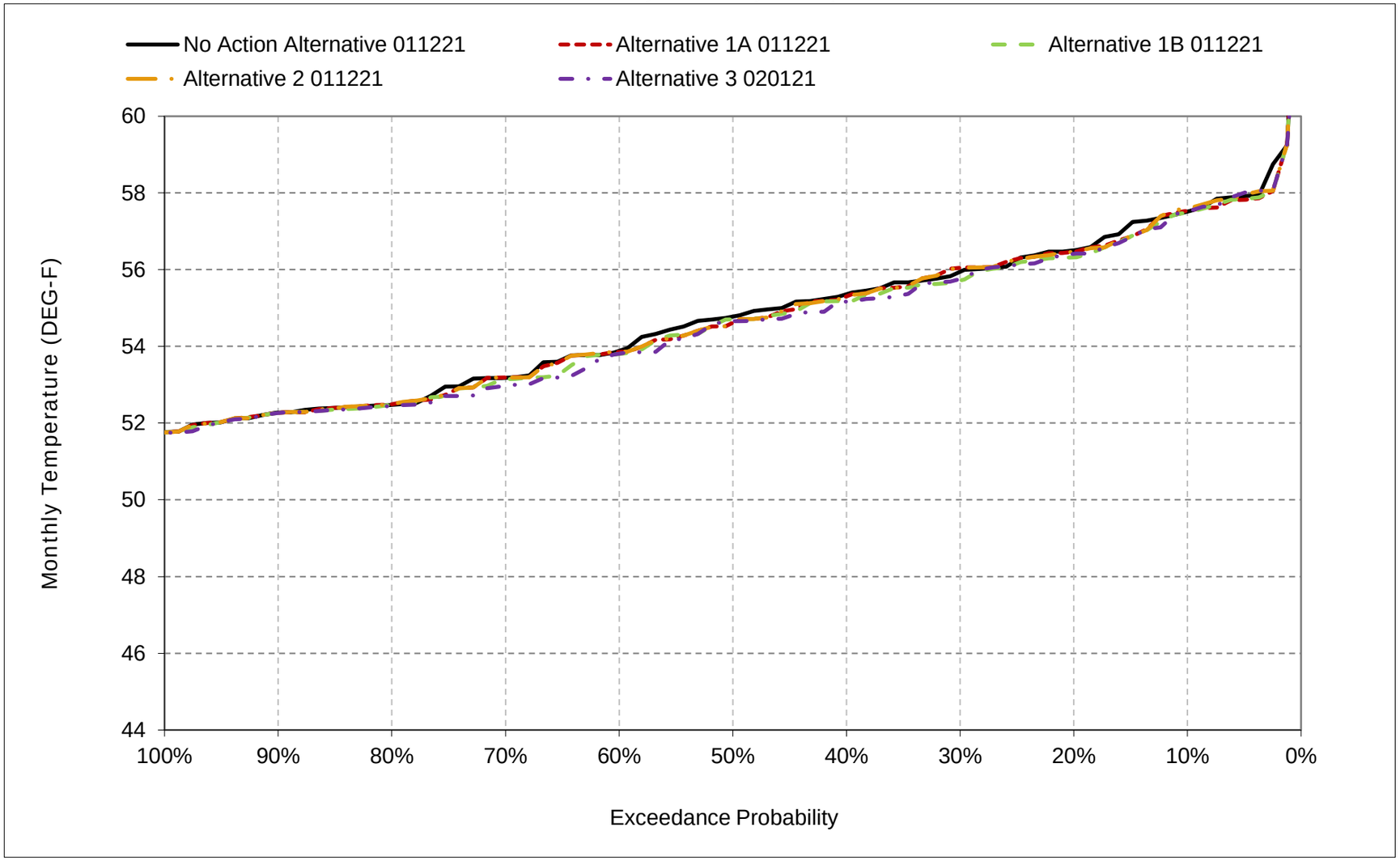
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-8-17. Sacramento River at Jellys Ferry, August



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

Figure 6C-8-18. Sacramento River at Jellys Ferry, September



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

Table 6C-9-1a. Sacramento River at Bend Bridge, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.1	54.1	50.9	47.9	48.4	51.9	57.0	58.5	59.1	57.2	57.5	58.8
20%	55.4	53.7	50.0	47.1	48.0	51.3	56.4	57.7	58.1	56.5	57.0	57.7
30%	54.6	53.4	49.3	46.7	47.6	51.0	55.8	57.1	57.7	56.3	56.6	57.2
40%	54.4	53.0	48.9	46.4	47.3	50.4	55.5	56.7	57.2	56.0	56.2	56.5
50%	54.0	52.8	48.5	46.2	47.0	50.3	55.2	56.5	56.7	55.6	55.8	55.8
60%	53.7	52.4	48.2	46.0	46.7	49.9	54.7	56.2	56.4	55.4	55.6	55.0
70%	53.5	52.1	48.0	45.8	46.1	49.5	54.4	55.8	55.9	55.0	55.4	54.4
80%	53.3	51.8	47.7	45.6	45.9	48.6	53.8	55.4	55.4	54.4	55.1	53.4
90%	52.8	51.4	47.2	45.2	45.7	48.1	52.6	54.8	54.9	54.1	54.8	53.2
Long Term												
Full Simulation Period[a]	54.4	52.8	48.8	46.4	47.0	50.1	55.0	56.5	56.8	55.7	56.0	55.9
Water Year Types[b,c]												
Wet (32%)	53.5	52.9	49.3	46.1	46.2	48.9	53.7	56.1	57.4	55.8	55.5	53.9
Above Normal (15%)	53.9	52.5	48.6	46.3	46.5	49.5	54.9	56.5	56.6	54.8	55.5	54.5
Below Normal (17%)	54.1	52.4	48.6	46.1	46.8	50.5	55.6	56.6	55.9	55.0	55.8	56.2
Dry (22%)	54.5	52.5	48.5	46.5	47.6	51.0	56.1	56.9	55.9	55.6	56.4	57.3
Critical (15%)	57.0	53.4	48.6	47.2	48.5	51.5	55.6	56.9	58.4	57.3	57.5	59.4

Table 6C-9-1b. Sacramento River at Bend Bridge, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.2	54.0	50.8	47.9	48.4	51.9	57.0	59.0	59.2	57.2	57.5	58.7
20%	55.2	53.7	50.0	47.1	48.0	51.3	56.4	57.7	58.3	56.5	57.0	57.7
30%	54.6	53.3	49.3	46.7	47.6	51.0	55.9	57.3	57.7	56.2	56.6	57.2
40%	54.3	53.0	48.9	46.4	47.3	50.4	55.5	56.9	57.1	56.0	56.1	56.4
50%	54.0	52.8	48.5	46.2	47.0	50.3	55.2	56.6	56.8	55.6	55.7	55.7
60%	53.8	52.4	48.2	46.0	46.7	49.9	54.8	56.3	56.5	55.4	55.6	54.9
70%	53.6	52.1	48.0	45.8	46.2	49.5	54.4	55.9	56.0	54.9	55.3	54.3
80%	53.2	51.9	47.8	45.6	45.9	48.6	53.8	55.4	55.4	54.4	55.1	53.4
90%	52.8	51.5	47.3	45.2	45.7	48.1	52.6	54.9	55.0	54.1	54.8	53.2
Long Term												
Full Simulation Period[a]	54.4	52.7	48.8	46.4	47.0	50.1	55.0	56.6	56.9	55.6	56.0	55.8
Water Year Types[b,c]												
Wet (32%)	53.5	52.9	49.3	46.1	46.2	48.9	53.7	56.1	57.5	55.8	55.5	53.9
Above Normal (15%)	53.9	52.5	48.6	46.3	46.5	49.5	54.9	56.5	56.6	54.8	55.5	54.5
Below Normal (17%)	54.1	52.5	48.6	46.1	46.8	50.5	55.6	56.7	56.0	54.9	55.8	56.2
Dry (22%)	54.5	52.5	48.5	46.5	47.6	51.0	56.1	57.0	56.0	55.5	56.3	57.1
Critical (15%)	56.9	53.3	48.6	47.1	48.5	51.4	55.5	57.3	58.4	57.2	57.5	59.1

Table 6C-9-1c. Sacramento River at Bend Bridge, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.5	0.1	-0.1	0.0	-0.1
20%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	-0.1	0.0	0.0
30%	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	-0.1	0.0	0.0
40%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-0.1	-0.1	0.0	-0.1
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.2
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	-0.1
70%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
80%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	-0.1	-0.1	-0.2
Critical (15%)	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.1	-0.1	-0.1	-0.2

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-9-2a. Sacramento River at Bend Bridge, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.1	54.1	50.9	47.9	48.4	51.9	57.0	58.5	59.1	57.2	57.5	58.8
20%	55.4	53.7	50.0	47.1	48.0	51.3	56.4	57.7	58.1	56.5	57.0	57.7
30%	54.6	53.4	49.3	46.7	47.6	51.0	55.8	57.1	57.7	56.3	56.6	57.2
40%	54.4	53.0	48.9	46.4	47.3	50.4	55.5	56.7	57.2	56.0	56.2	56.5
50%	54.0	52.8	48.5	46.2	47.0	50.3	55.2	56.5	56.7	55.6	55.8	55.8
60%	53.7	52.4	48.2	46.0	46.7	49.9	54.7	56.2	56.4	55.4	55.6	55.0
70%	53.5	52.1	48.0	45.8	46.1	49.5	54.4	55.8	55.9	55.0	55.4	54.4
80%	53.3	51.8	47.7	45.6	45.9	48.6	53.8	55.4	55.4	54.4	55.1	53.4
90%	52.8	51.4	47.2	45.2	45.7	48.1	52.6	54.8	54.9	54.1	54.8	53.2
Long Term												
Full Simulation Period[a]	54.4	52.8	48.8	46.4	47.0	50.1	55.0	56.5	56.8	55.7	56.0	55.9
Water Year Types[b,c]												
Wet (32%)	53.5	52.9	49.3	46.1	46.2	48.9	53.7	56.1	57.4	55.8	55.5	53.9
Above Normal (15%)	53.9	52.5	48.6	46.3	46.5	49.5	54.9	56.5	56.6	54.8	55.5	54.5
Below Normal (17%)	54.1	52.4	48.6	46.1	46.8	50.5	55.6	56.6	55.9	55.0	55.8	56.2
Dry (22%)	54.5	52.5	48.5	46.5	47.6	51.0	56.1	56.9	55.9	55.6	56.4	57.3
Critical (15%)	57.0	53.4	48.6	47.2	48.5	51.5	55.6	56.9	58.4	57.3	57.5	59.4

Table 6C-9-2b. Sacramento River at Bend Bridge, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.1	54.1	50.8	47.9	48.4	51.9	57.0	59.0	59.2	57.3	57.4	58.8
20%	55.2	53.6	50.0	47.1	48.0	51.3	56.4	57.8	58.4	56.5	57.0	57.7
30%	54.5	53.3	49.3	46.7	47.6	51.0	55.9	57.5	57.8	56.4	56.6	57.1
40%	54.3	53.0	48.9	46.4	47.3	50.4	55.5	56.9	57.2	56.0	56.2	56.3
50%	54.0	52.8	48.5	46.2	47.0	50.3	55.2	56.6	56.9	55.6	55.7	55.7
60%	53.8	52.4	48.3	46.0	46.7	49.9	54.8	56.3	56.5	55.4	55.6	54.9
70%	53.5	52.1	48.0	45.8	46.1	49.5	54.4	56.0	56.0	54.9	55.4	54.1
80%	53.2	51.9	47.7	45.6	45.9	48.6	53.7	55.5	55.6	54.4	55.1	53.4
90%	52.8	51.6	47.3	45.2	45.7	48.1	52.6	54.9	55.0	54.1	54.8	53.1
Long Term												
Full Simulation Period[a]	54.4	52.8	48.8	46.4	47.0	50.1	55.0	56.7	57.0	55.7	56.0	55.8
Water Year Types[b,c]												
Wet (32%)	53.5	52.9	49.3	46.1	46.2	48.9	53.7	56.1	57.4	55.8	55.5	53.9
Above Normal (15%)	53.9	52.5	48.6	46.3	46.5	49.5	54.8	56.5	57.1	55.0	55.5	54.2
Below Normal (17%)	54.1	52.5	48.6	46.1	46.8	50.5	55.6	56.9	56.1	55.0	55.8	56.1
Dry (22%)	54.5	52.6	48.5	46.5	47.6	51.0	56.2	57.0	55.9	55.4	56.3	57.1
Critical (15%)	56.9	53.4	48.6	47.1	48.5	51.5	55.5	57.4	58.5	57.2	57.3	59.1

Table 6C-9-2c. Sacramento River at Bend Bridge, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.5	0.1	0.1	-0.1	-0.1
20%	-0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.0	0.0	-0.1
30%	-0.1	0.0	0.0	-0.1	0.0	0.0	0.1	0.4	0.1	0.0	0.0	-0.1
40%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0	-0.2
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	-0.1
60%	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	-0.1
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	-0.1	0.0	-0.3
80%	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0
90%	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	-0.1
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.2	0.0	-0.3
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	-0.1
Dry (22%)	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	-0.1	-0.1	-0.2
Critical (15%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	-0.1	-0.2	-0.3

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-9-3a. Sacramento River at Bend Bridge, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.1	54.1	50.9	47.9	48.4	51.9	57.0	58.5	59.1	57.2	57.5	58.8
20%	55.4	53.7	50.0	47.1	48.0	51.3	56.4	57.7	58.1	56.5	57.0	57.7
30%	54.6	53.4	49.3	46.7	47.6	51.0	55.8	57.1	57.7	56.3	56.6	57.2
40%	54.4	53.0	48.9	46.4	47.3	50.4	55.5	56.7	57.2	56.0	56.2	56.5
50%	54.0	52.8	48.5	46.2	47.0	50.3	55.2	56.5	56.7	55.6	55.8	55.8
60%	53.7	52.4	48.2	46.0	46.7	49.9	54.7	56.2	56.4	55.4	55.6	55.0
70%	53.5	52.1	48.0	45.8	46.1	49.5	54.4	55.8	55.9	55.0	55.4	54.4
80%	53.3	51.8	47.7	45.6	45.9	48.6	53.8	55.4	55.4	54.4	55.1	53.4
90%	52.8	51.4	47.2	45.2	45.7	48.1	52.6	54.8	54.9	54.1	54.8	53.2
Long Term												
Full Simulation Period[a]	54.4	52.8	48.8	46.4	47.0	50.1	55.0	56.5	56.8	55.7	56.0	55.9
Water Year Types[b,c]												
Wet (32%)	53.5	52.9	49.3	46.1	46.2	48.9	53.7	56.1	57.4	55.8	55.5	53.9
Above Normal (15%)	53.9	52.5	48.6	46.3	46.5	49.5	54.9	56.5	56.6	54.8	55.5	54.5
Below Normal (17%)	54.1	52.4	48.6	46.1	46.8	50.5	55.6	56.6	55.9	55.0	55.8	56.2
Dry (22%)	54.5	52.5	48.5	46.5	47.6	51.0	56.1	56.9	55.9	55.6	56.4	57.3
Critical (15%)	57.0	53.4	48.6	47.2	48.5	51.5	55.6	56.9	58.4	57.3	57.5	59.4

Table 6C-9-3b. Sacramento River at Bend Bridge, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.2	54.1	50.8	47.9	48.4	51.9	57.0	59.0	59.2	57.2	57.4	58.9
20%	55.2	53.7	50.0	47.1	48.0	51.3	56.4	57.7	58.3	56.5	57.0	57.7
30%	54.6	53.3	49.3	46.7	47.6	51.0	55.9	57.3	57.7	56.2	56.6	57.2
40%	54.3	53.0	48.9	46.4	47.3	50.4	55.5	56.9	57.1	55.9	56.1	56.4
50%	54.0	52.8	48.5	46.2	47.0	50.3	55.2	56.6	56.8	55.6	55.7	55.7
60%	53.8	52.4	48.2	46.0	46.7	49.9	54.8	56.3	56.5	55.4	55.6	54.9
70%	53.6	52.1	48.0	45.8	46.1	49.5	54.4	55.9	56.0	54.9	55.3	54.3
80%	53.2	51.9	47.8	45.6	45.9	48.6	53.8	55.4	55.4	54.4	55.1	53.4
90%	52.8	51.5	47.3	45.2	45.7	48.1	52.6	54.9	55.0	54.1	54.8	53.1
Long Term												
Full Simulation Period[a]	54.4	52.8	48.8	46.4	47.0	50.1	55.0	56.6	56.9	55.6	56.0	55.8
Water Year Types[b,c]												
Wet (32%)	53.5	52.9	49.3	46.1	46.2	48.9	53.7	56.1	57.5	55.8	55.5	53.9
Above Normal (15%)	53.9	52.5	48.6	46.3	46.5	49.5	54.9	56.5	56.6	54.8	55.5	54.5
Below Normal (17%)	54.1	52.4	48.6	46.1	46.8	50.5	55.6	56.7	56.0	54.9	55.8	56.2
Dry (22%)	54.5	52.5	48.5	46.5	47.6	51.0	56.1	57.0	56.0	55.5	56.2	57.1
Critical (15%)	57.0	53.4	48.6	47.1	48.5	51.4	55.6	57.3	58.4	57.2	57.3	59.2

Table 6C-9-3c. Sacramento River at Bend Bridge, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.5	0.1	-0.1	-0.1	0.1
20%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0
30%	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	-0.1	0.0	0.0
40%	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.2	-0.1	-0.1	-0.1	-0.1
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	-0.2
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	-0.1
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
80%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	-0.1	-0.1	-0.2
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	-0.1	-0.2	-0.2

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-9-4a. Sacramento River at Bend Bridge, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.1	54.1	50.9	47.9	48.4	51.9	57.0	58.5	59.1	57.2	57.5	58.8
20%	55.4	53.7	50.0	47.1	48.0	51.3	56.4	57.7	58.1	56.5	57.0	57.7
30%	54.6	53.4	49.3	46.7	47.6	51.0	55.8	57.1	57.7	56.3	56.6	57.2
40%	54.4	53.0	48.9	46.4	47.3	50.4	55.5	56.7	57.2	56.0	56.2	56.5
50%	54.0	52.8	48.5	46.2	47.0	50.3	55.2	56.5	56.7	55.6	55.8	55.8
60%	53.7	52.4	48.2	46.0	46.7	49.9	54.7	56.2	56.4	55.4	55.6	55.0
70%	53.5	52.1	48.0	45.8	46.1	49.5	54.4	55.8	55.9	55.0	55.4	54.4
80%	53.3	51.8	47.7	45.6	45.9	48.6	53.8	55.4	55.4	54.4	55.1	53.4
90%	52.8	51.4	47.2	45.2	45.7	48.1	52.6	54.8	54.9	54.1	54.8	53.2
Long Term												
Full Simulation Period[a]	54.4	52.8	48.8	46.4	47.0	50.1	55.0	56.5	56.8	55.7	56.0	55.9
Water Year Types[b,c]												
Wet (32%)	53.5	52.9	49.3	46.1	46.2	48.9	53.7	56.1	57.4	55.8	55.5	53.9
Above Normal (15%)	53.9	52.5	48.6	46.3	46.5	49.5	54.9	56.5	56.6	54.8	55.5	54.5
Below Normal (17%)	54.1	52.4	48.6	46.1	46.8	50.5	55.6	56.6	55.9	55.0	55.8	56.2
Dry (22%)	54.5	52.5	48.5	46.5	47.6	51.0	56.1	56.9	55.9	55.6	56.4	57.3
Critical (15%)	57.0	53.4	48.6	47.2	48.5	51.5	55.6	56.9	58.4	57.3	57.5	59.4

Table 6C-9-4b. Sacramento River at Bend Bridge, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.1	54.0	50.8	47.8	48.4	52.0	57.0	58.7	59.2	57.3	57.5	58.7
20%	55.1	53.7	49.7	47.1	48.1	51.3	56.5	57.8	58.3	56.7	57.1	57.7
30%	54.6	53.3	49.2	46.7	47.6	51.0	55.9	57.5	57.8	56.5	56.7	57.2
40%	54.2	53.0	48.9	46.4	47.3	50.4	55.5	57.0	57.5	56.0	56.4	56.2
50%	53.9	52.7	48.5	46.2	47.0	50.2	55.3	56.6	56.9	55.7	56.0	55.7
60%	53.6	52.4	48.3	46.0	46.7	49.9	54.8	56.3	56.5	55.4	55.7	54.7
70%	53.4	52.0	48.1	45.8	46.1	49.5	54.4	56.0	56.2	55.0	55.4	53.9
80%	53.2	51.9	47.8	45.6	45.9	48.6	53.7	55.4	55.8	54.5	55.2	53.4
90%	52.8	51.5	47.4	45.2	45.6	48.1	52.6	54.9	55.2	54.1	54.8	53.1
Long Term												
Full Simulation Period[a]	54.3	52.7	48.8	46.4	47.0	50.1	55.0	56.7	57.1	55.7	56.1	55.7
Water Year Types[b,c]												
Wet (32%)	53.5	52.9	49.3	46.1	46.2	48.9	53.7	56.1	57.4	55.8	55.5	53.9
Above Normal (15%)	53.7	52.4	48.6	46.3	46.5	49.5	54.8	56.5	57.2	55.2	56.0	53.9
Below Normal (17%)	53.9	52.5	48.6	46.1	46.8	50.5	55.6	56.9	56.5	55.0	55.9	56.0
Dry (22%)	54.4	52.5	48.5	46.5	47.6	51.0	56.2	57.1	56.1	55.6	56.4	57.2
Critical (15%)	56.7	53.4	48.7	47.1	48.5	51.4	55.6	57.2	58.2	57.2	57.2	59.0

Table 6C-9-4c. Sacramento River at Bend Bridge, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.0	0.2	0.1	0.0	0.1	-0.2
20%	-0.3	0.0	-0.3	0.0	0.1	0.0	0.1	0.2	0.2	0.2	0.1	-0.1
30%	0.0	-0.1	-0.1	0.0	0.0	0.0	0.1	0.4	0.2	0.1	0.2	-0.1
40%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.2	-0.3
50%	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.2	-0.1
60%	-0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.1	-0.3
70%	-0.1	-0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.0	-0.5
80%	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.1	0.0
90%	0.0	0.1	0.2	-0.1	0.0	0.0	0.0	0.2	0.2	0.0	0.0	-0.1
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	-0.2
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.4	0.6	-0.6
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.1	0.1	-0.2
Dry (22%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.0	0.1	-0.1
Critical (15%)	-0.2	0.0	0.1	0.0	0.0	0.0	0.1	0.3	-0.2	-0.1	-0.3	-0.4

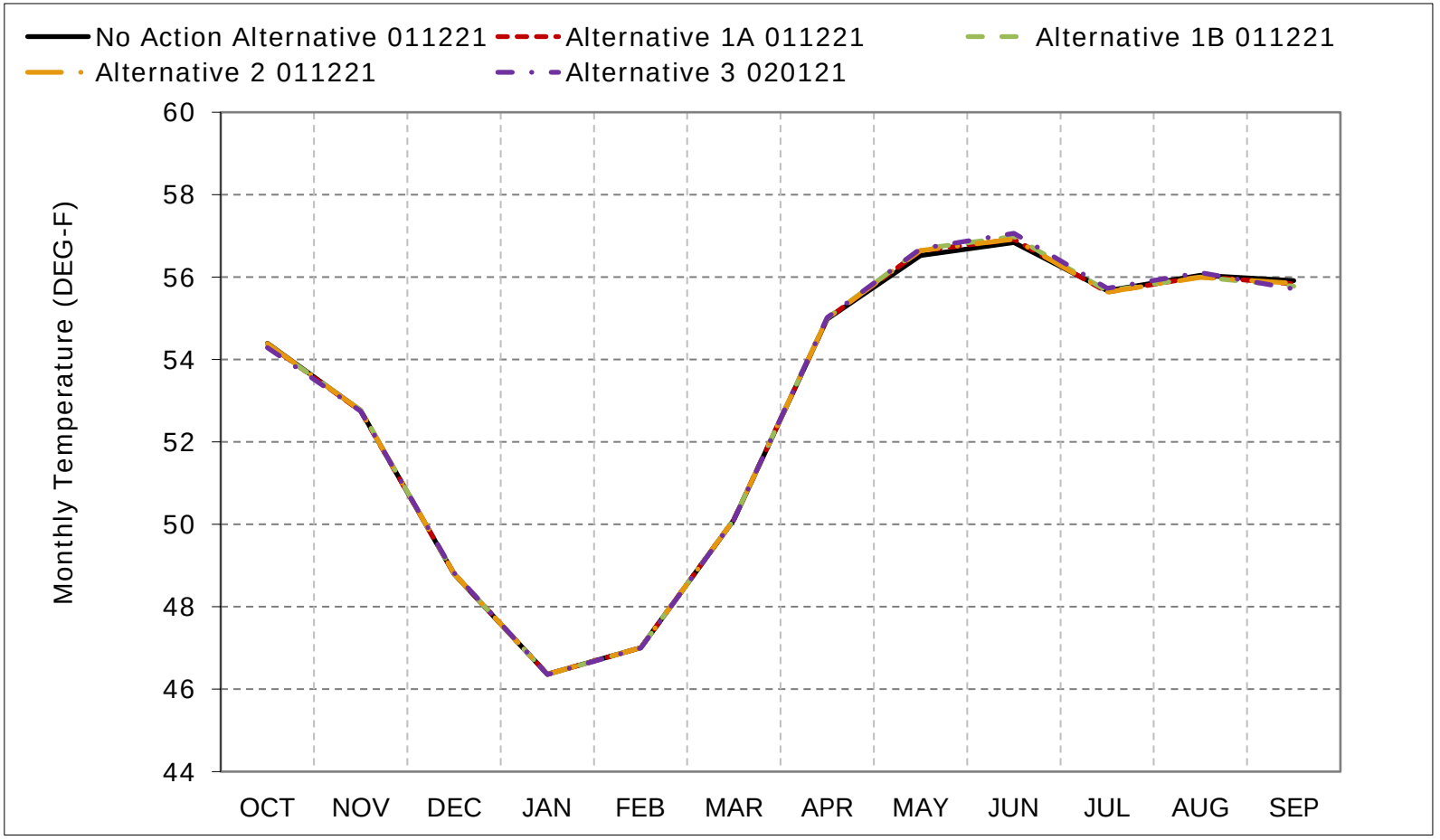
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

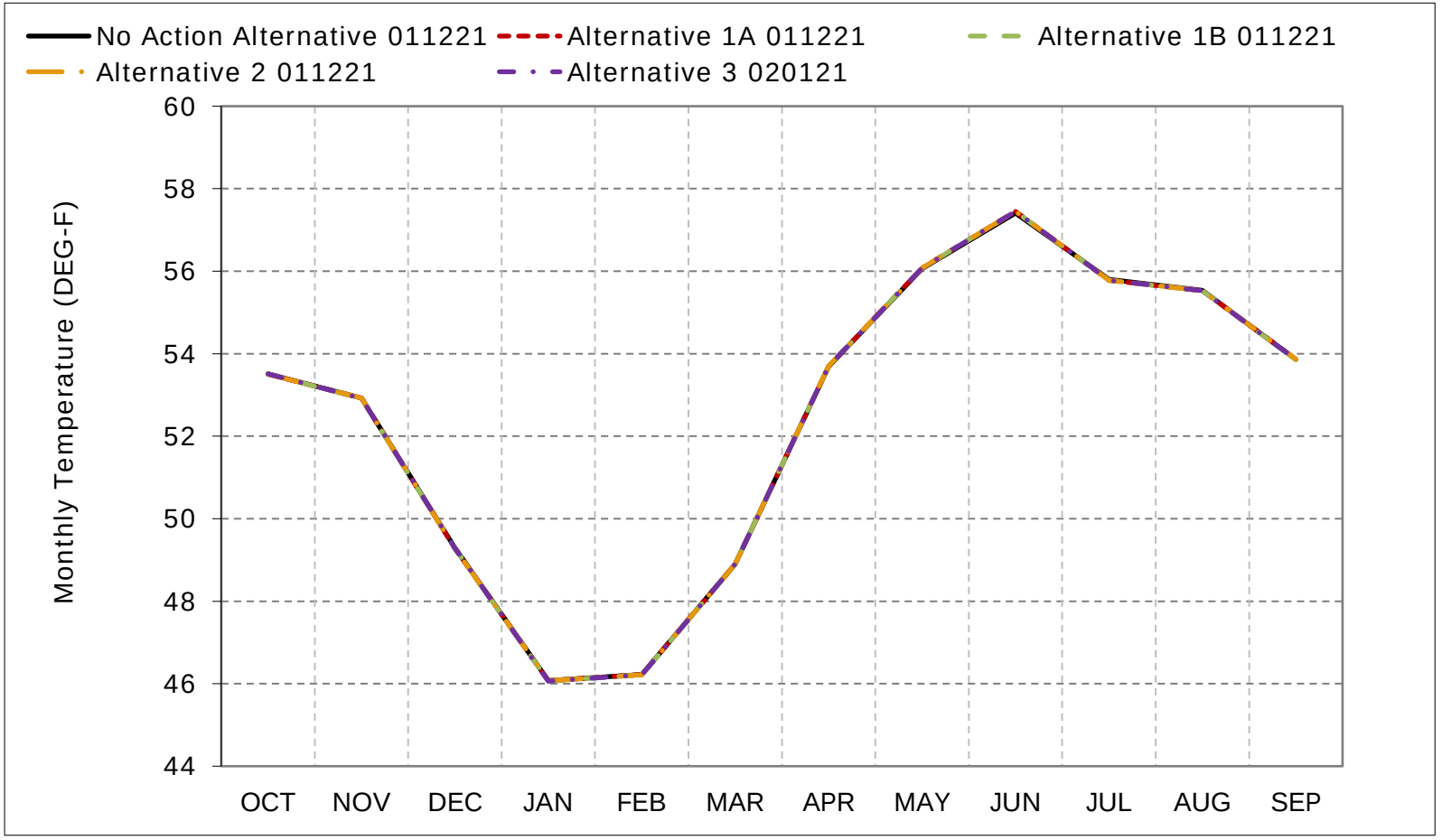
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-9-1. Sacramento River at Bend Bridge, Long-Term Average Temperature



*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-9-2. Sacramento River at Bend Bridge, Wet Year Average Temperature

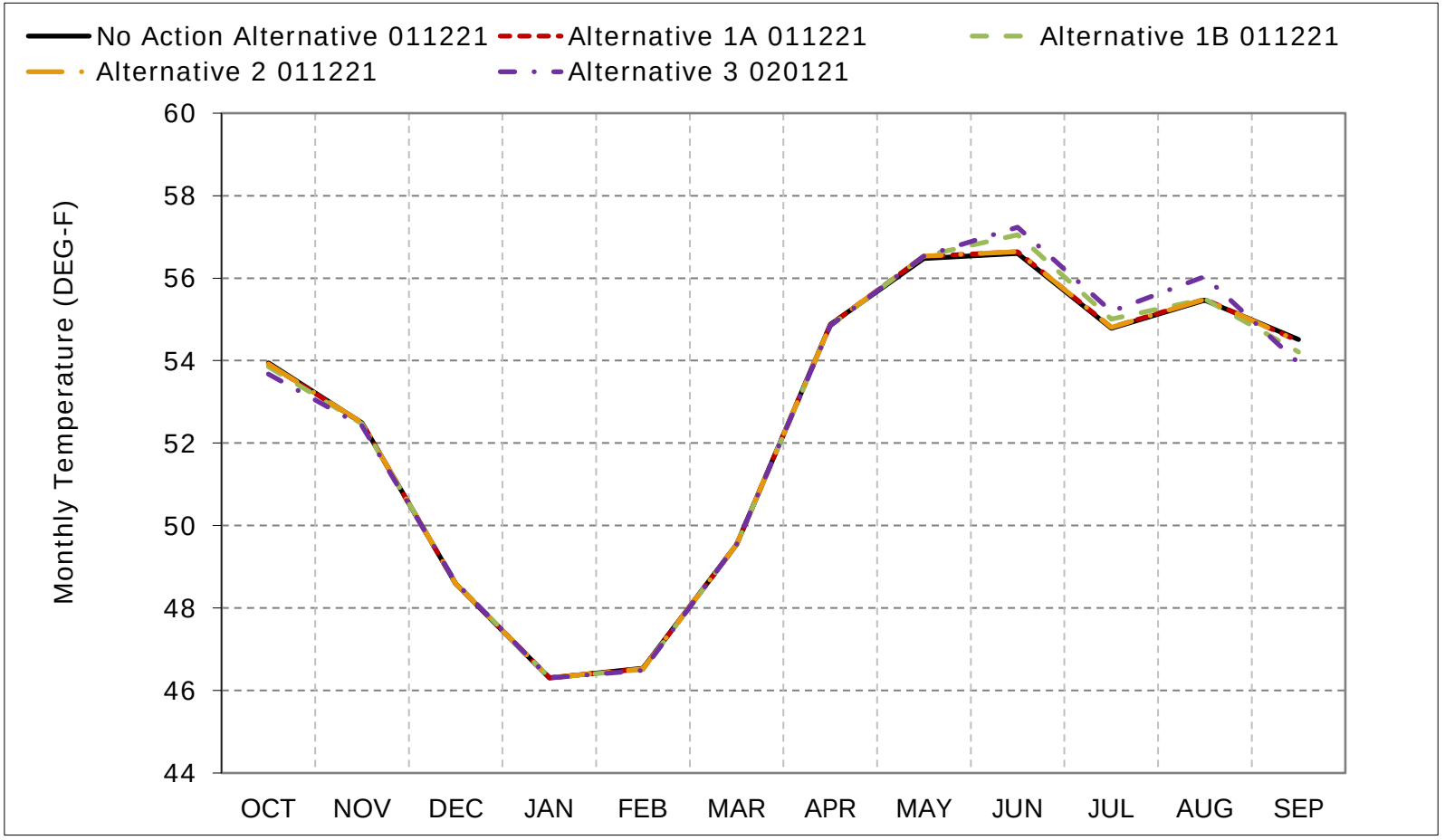


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

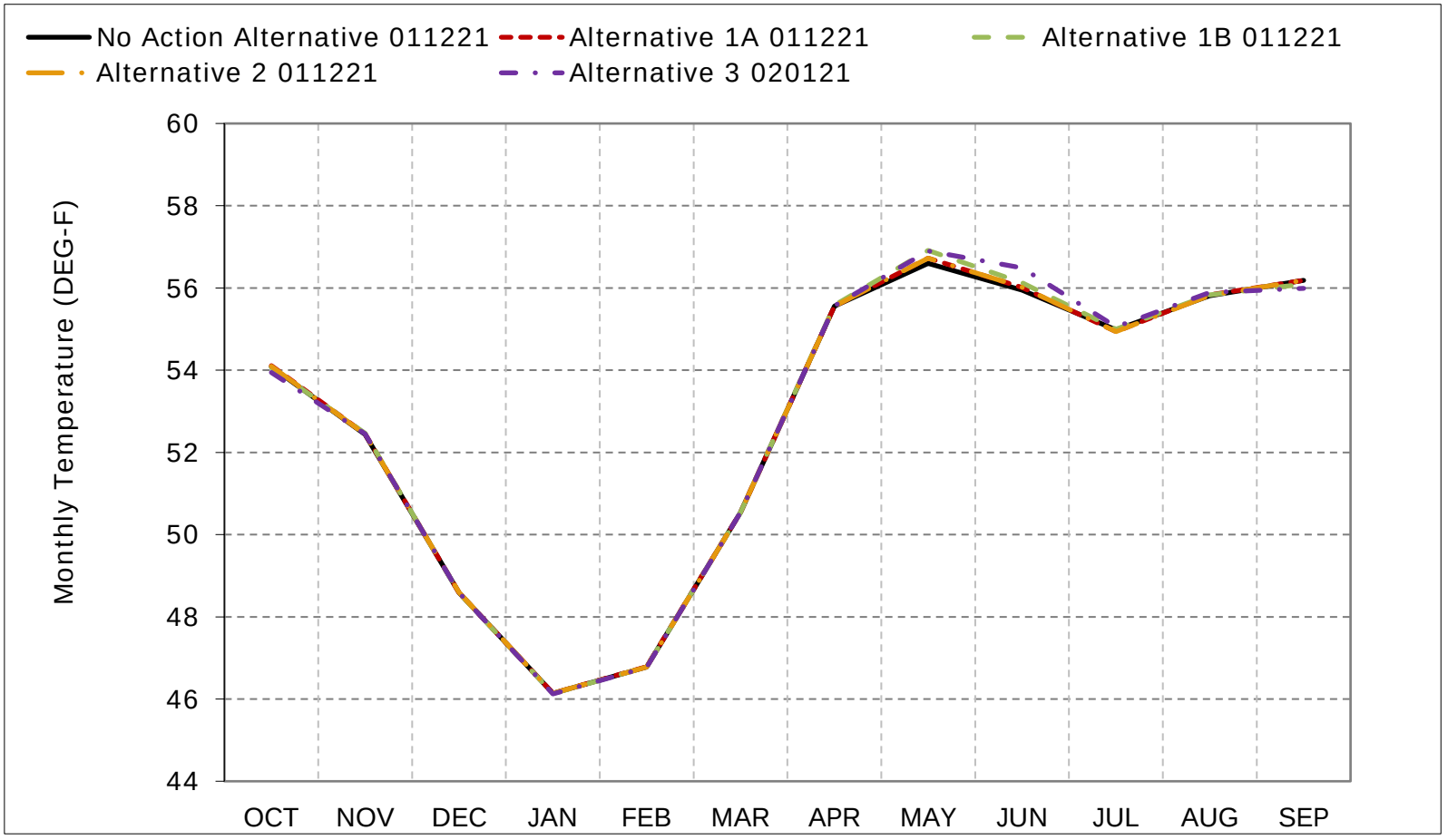
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-9-3. Sacramento River at Bend Bridge, Above Normal Year Average Temperat



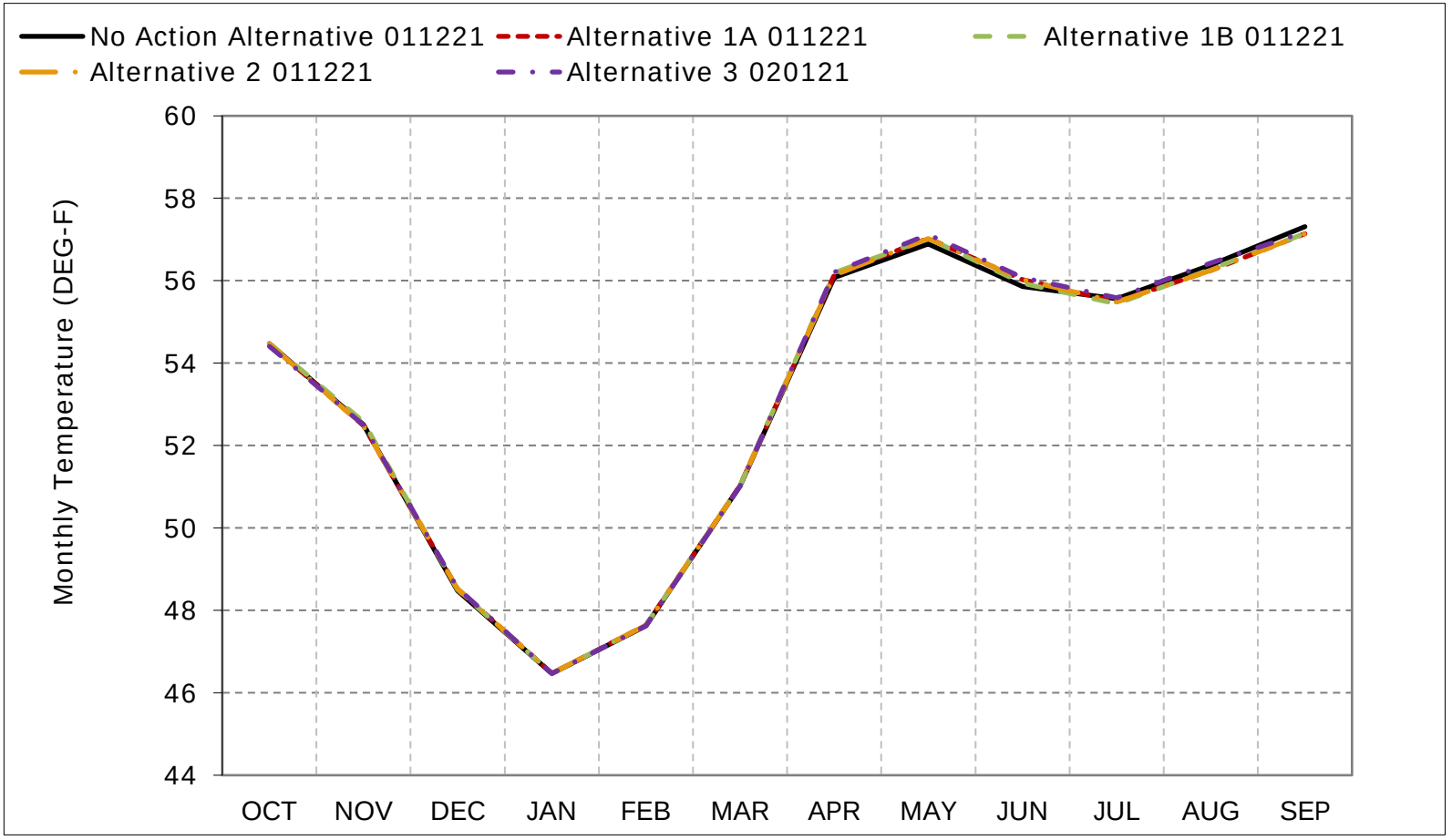
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-9-4. Sacramento River at Bend Bridge, Below Normal Year Average Temperat



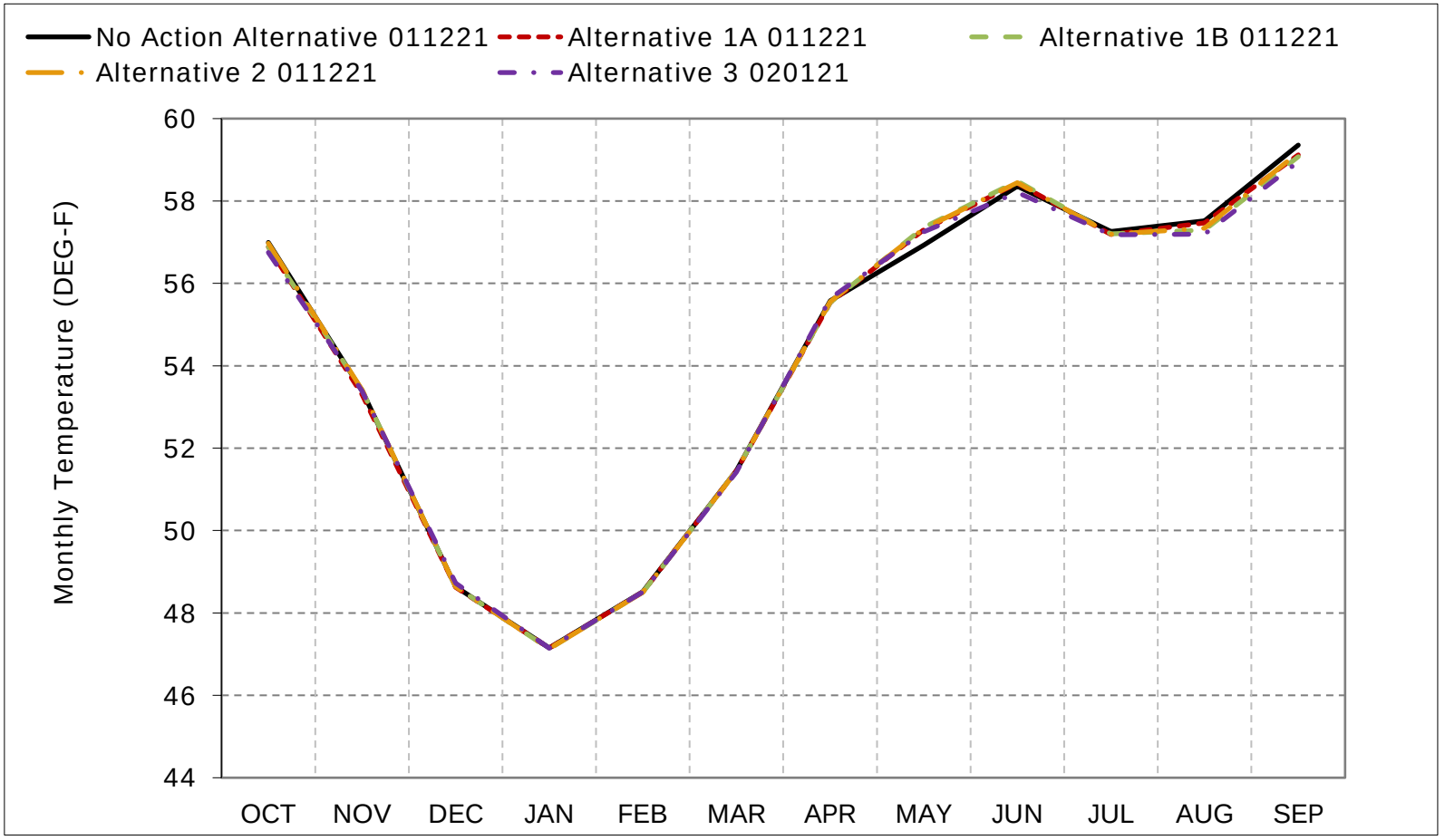
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-9-5. Sacramento River at Bend Bridge, Dry Year Average Temperature



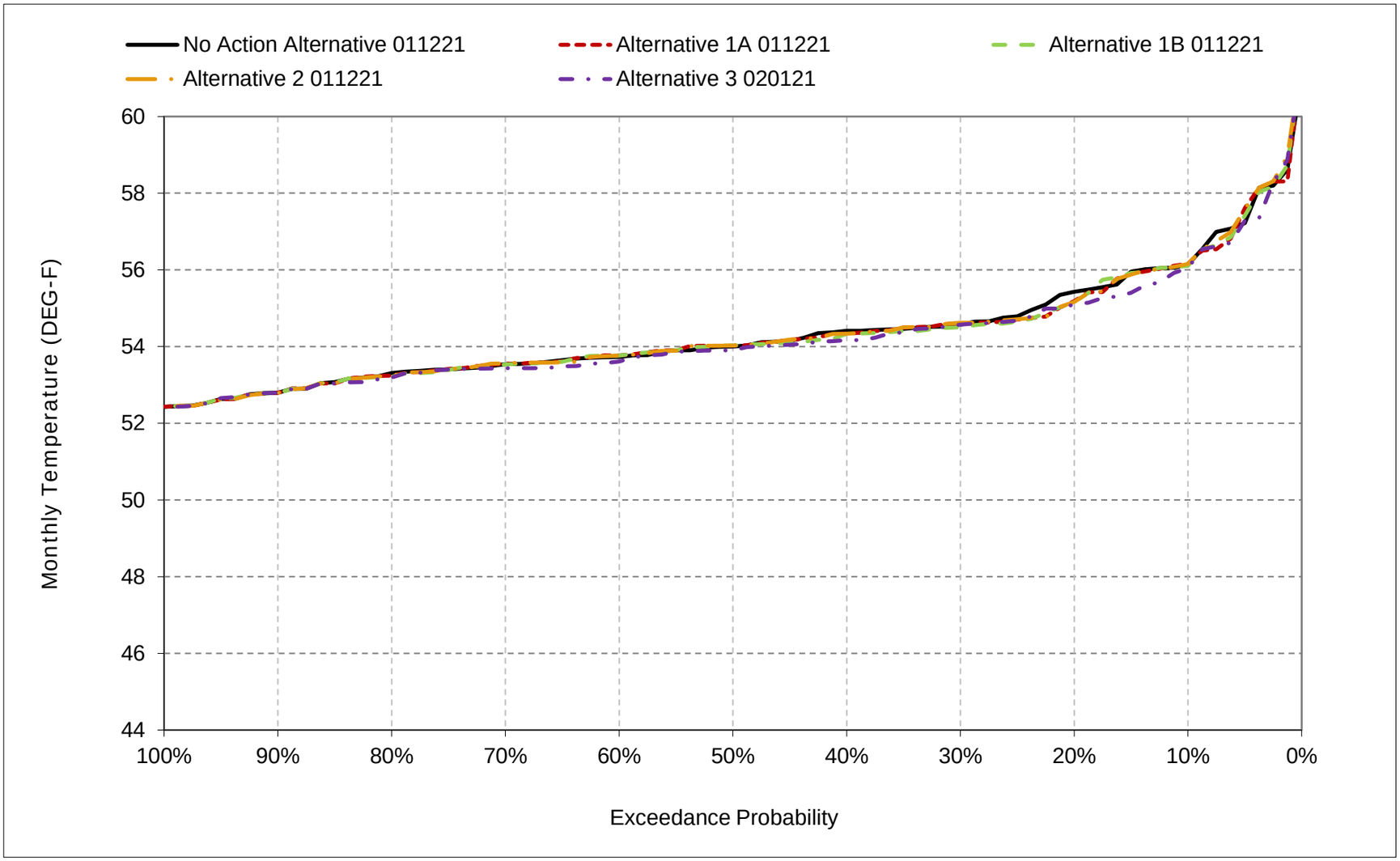
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-9-6. Sacramento River at Bend Bridge, Critical Year Average Temperature



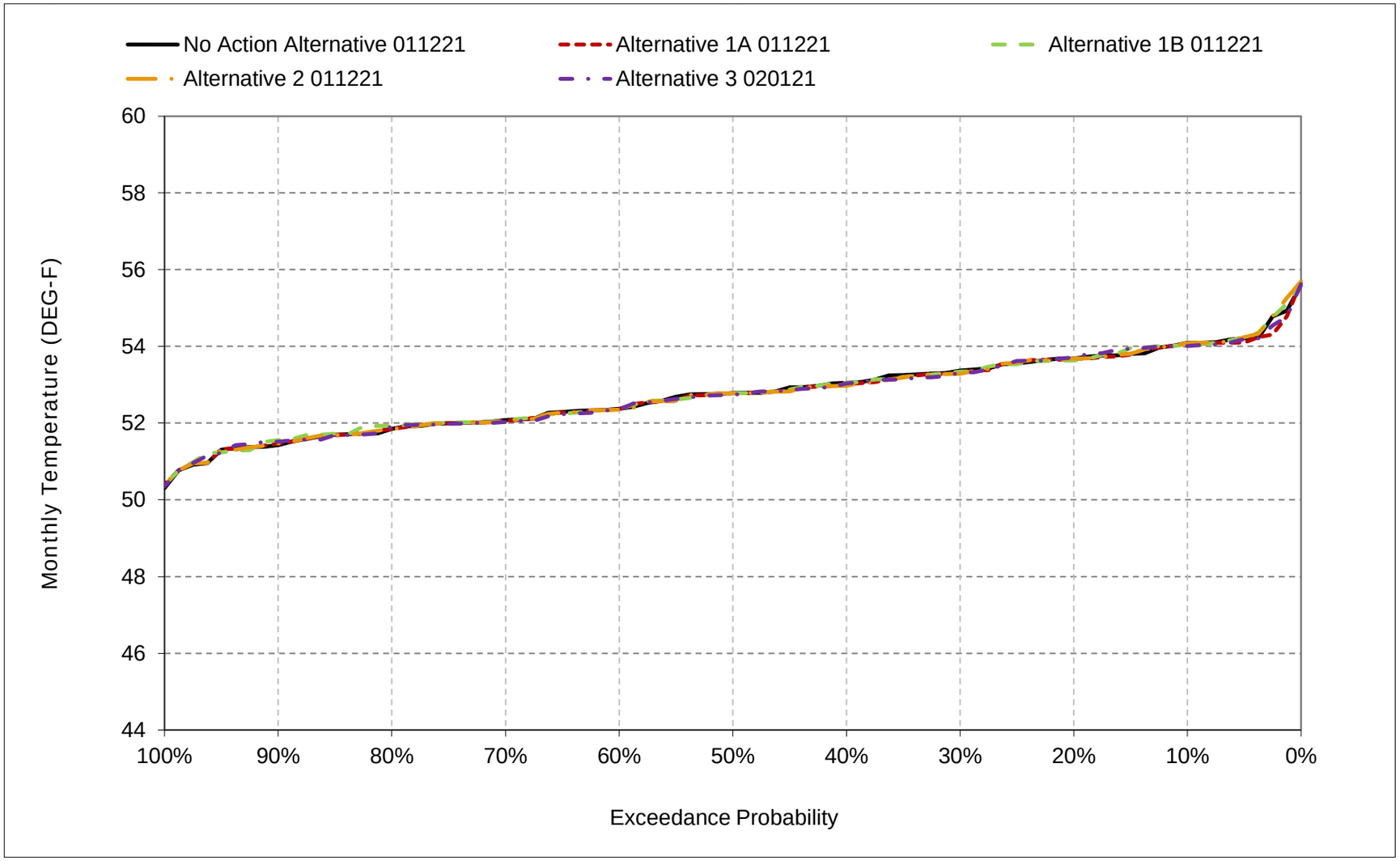
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-9-7. Sacramento River at Bend Bridge, October



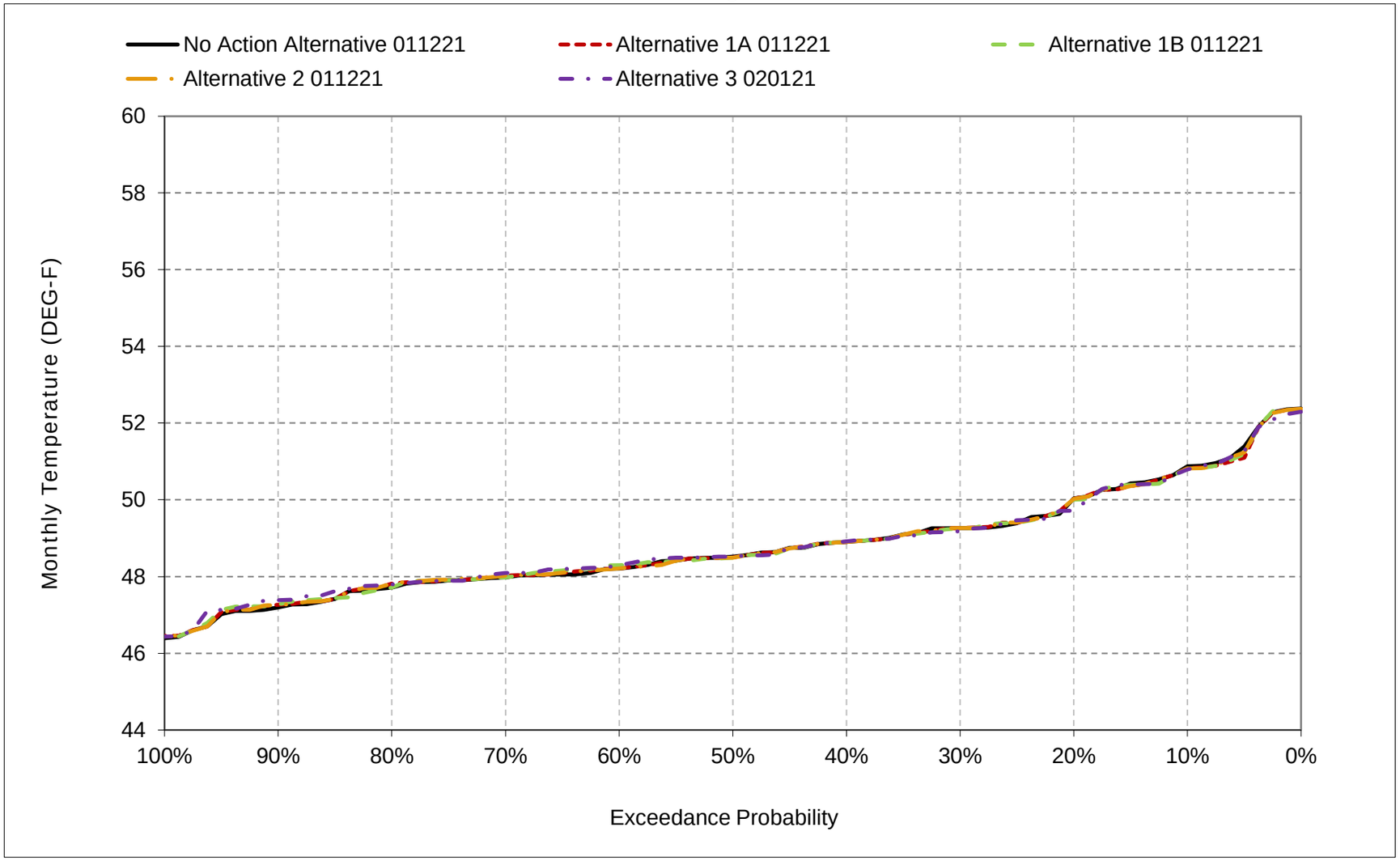
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-9-8. Sacramento River at Bend Bridge, November



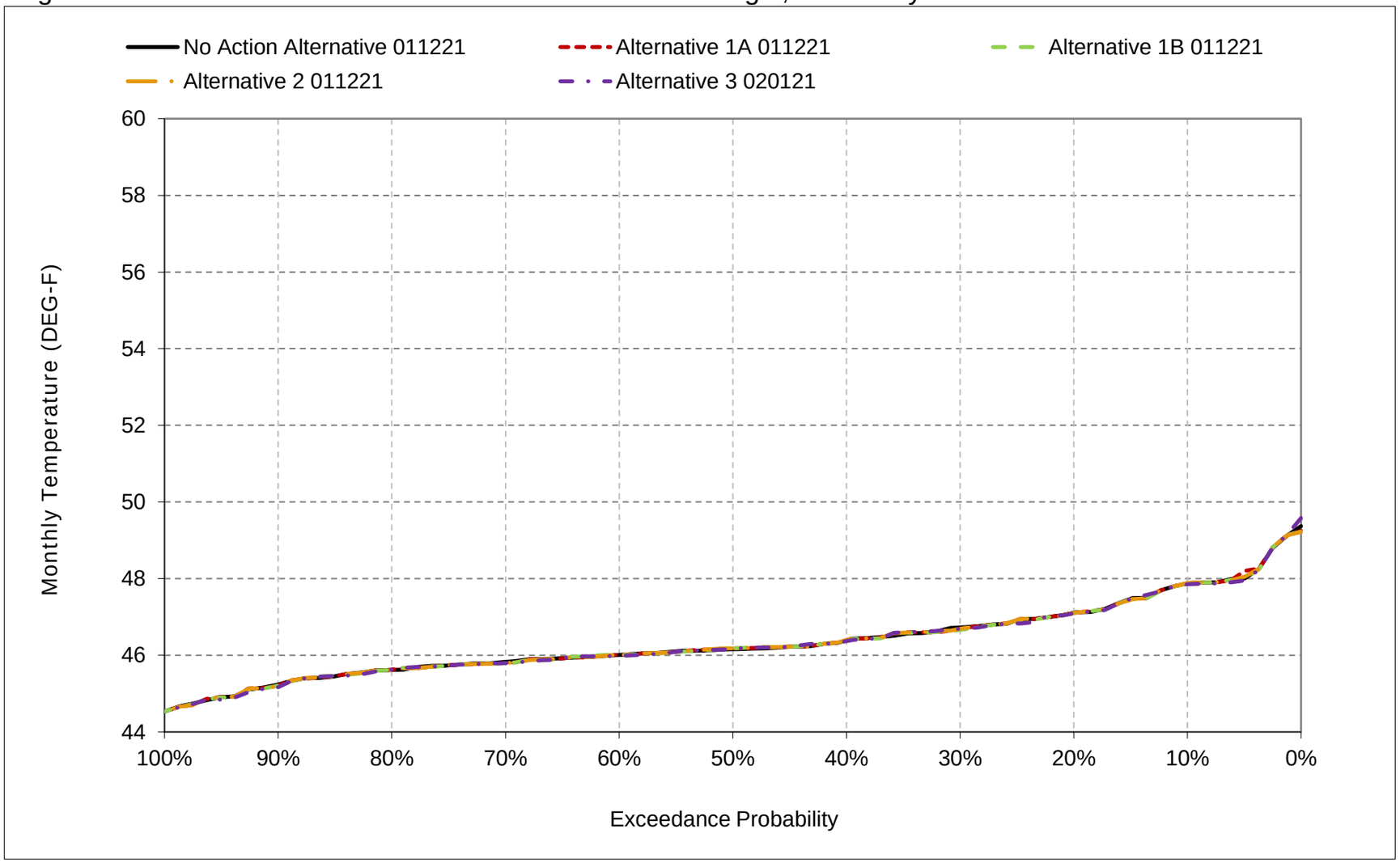
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-9-9. Sacramento River at Bend Bridge, December



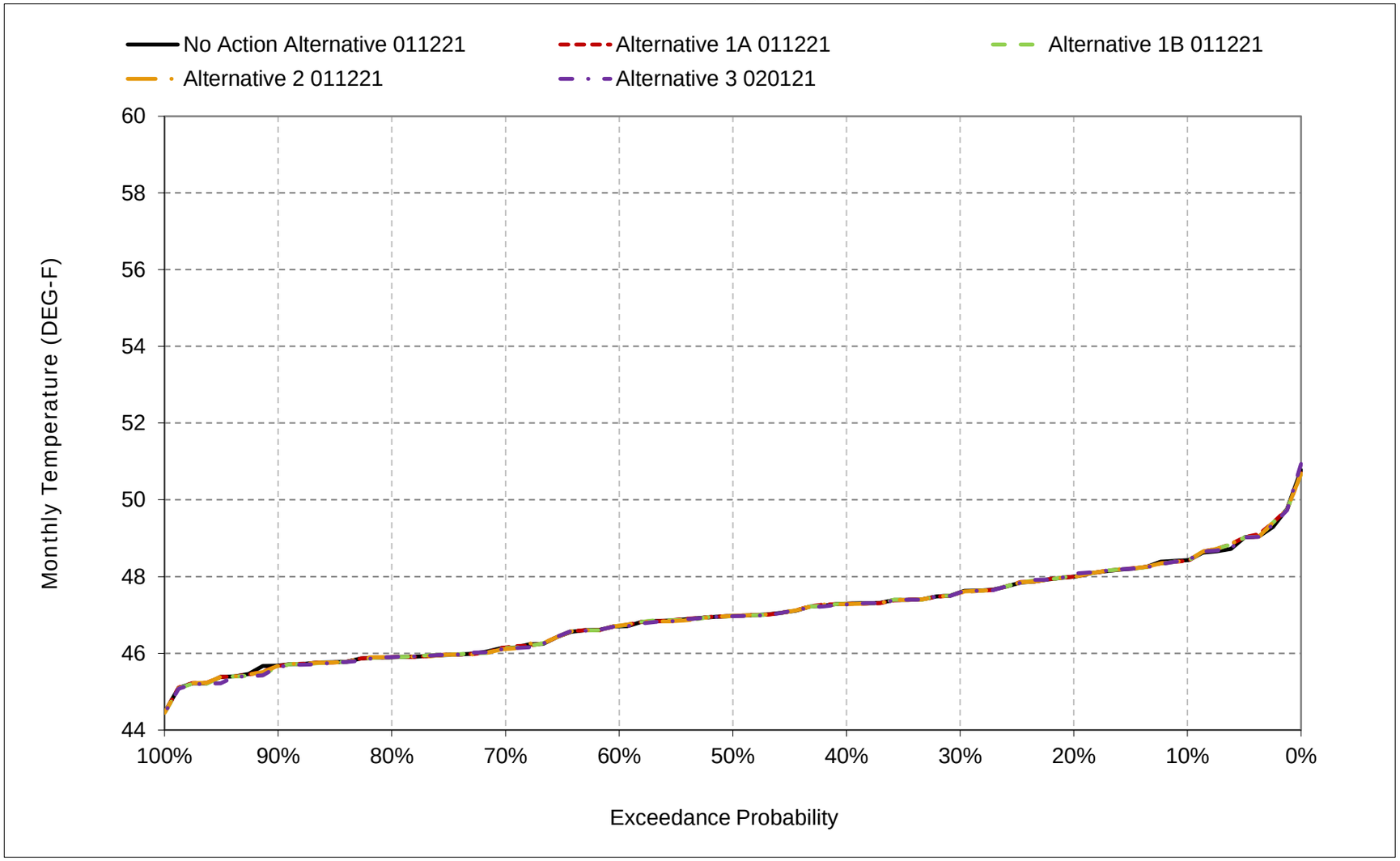
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-9-10. Sacramento River at Bend Bridge, January



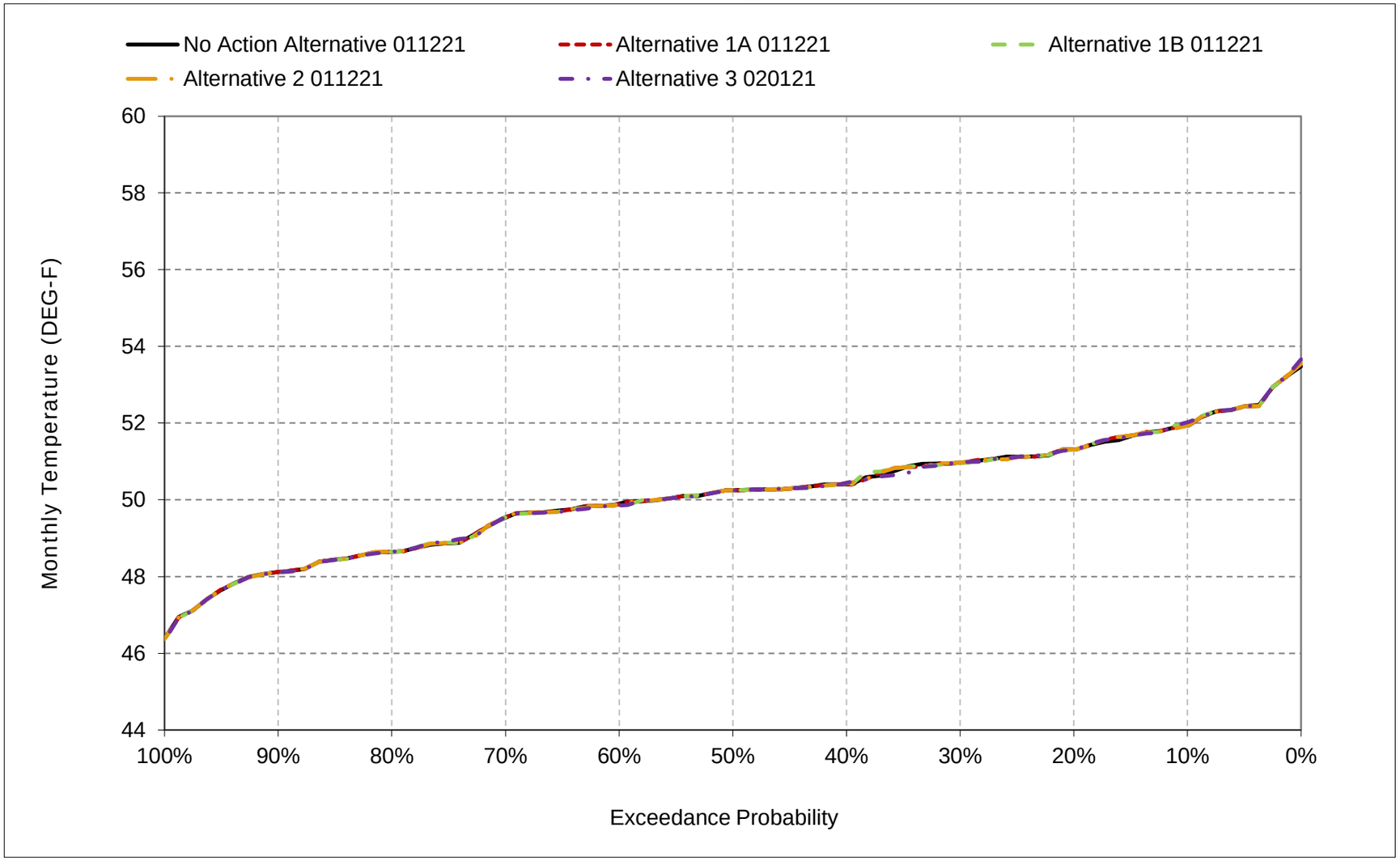
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-9-11. Sacramento River at Bend Bridge, February



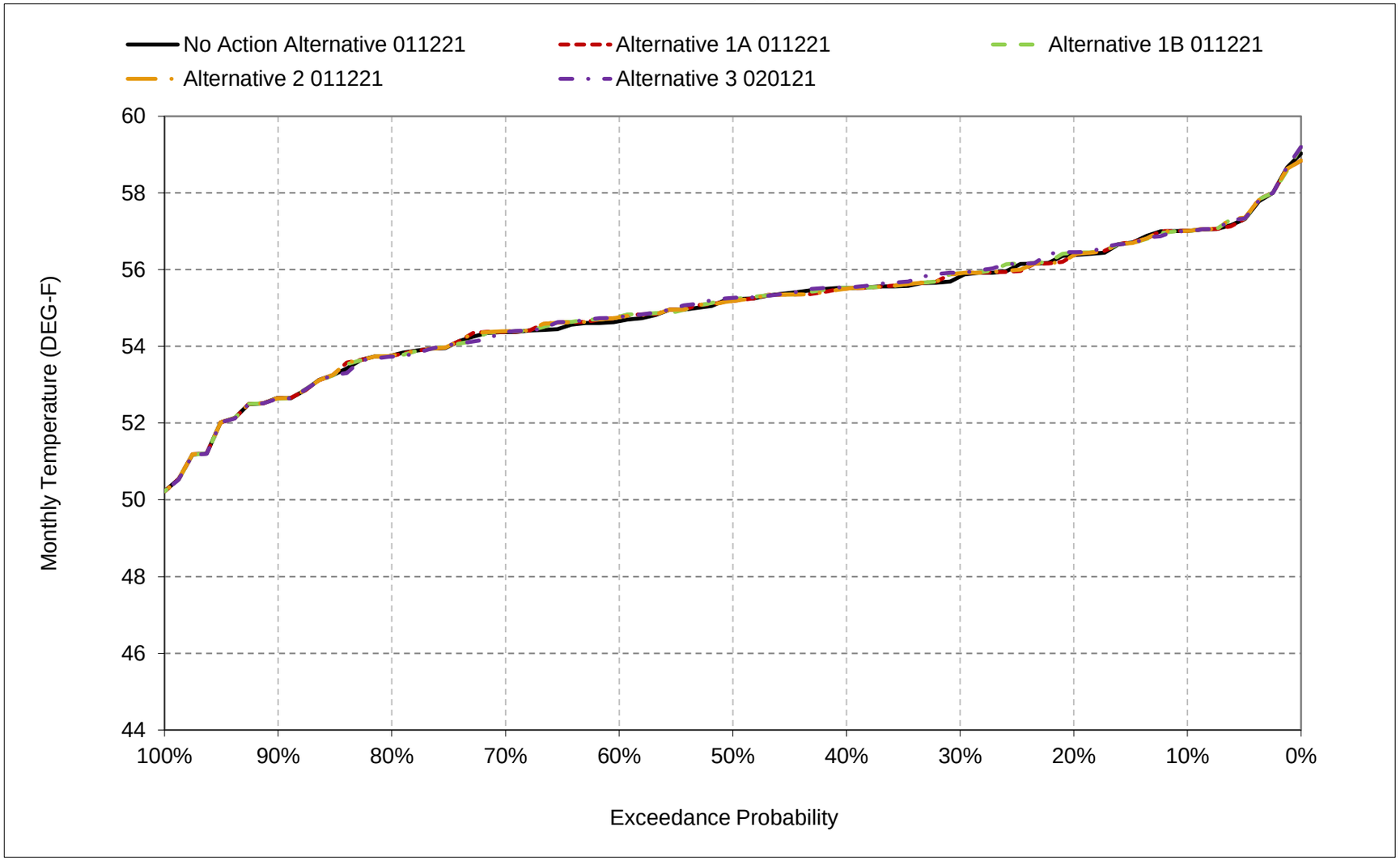
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-9-12. Sacramento River at Bend Bridge, March



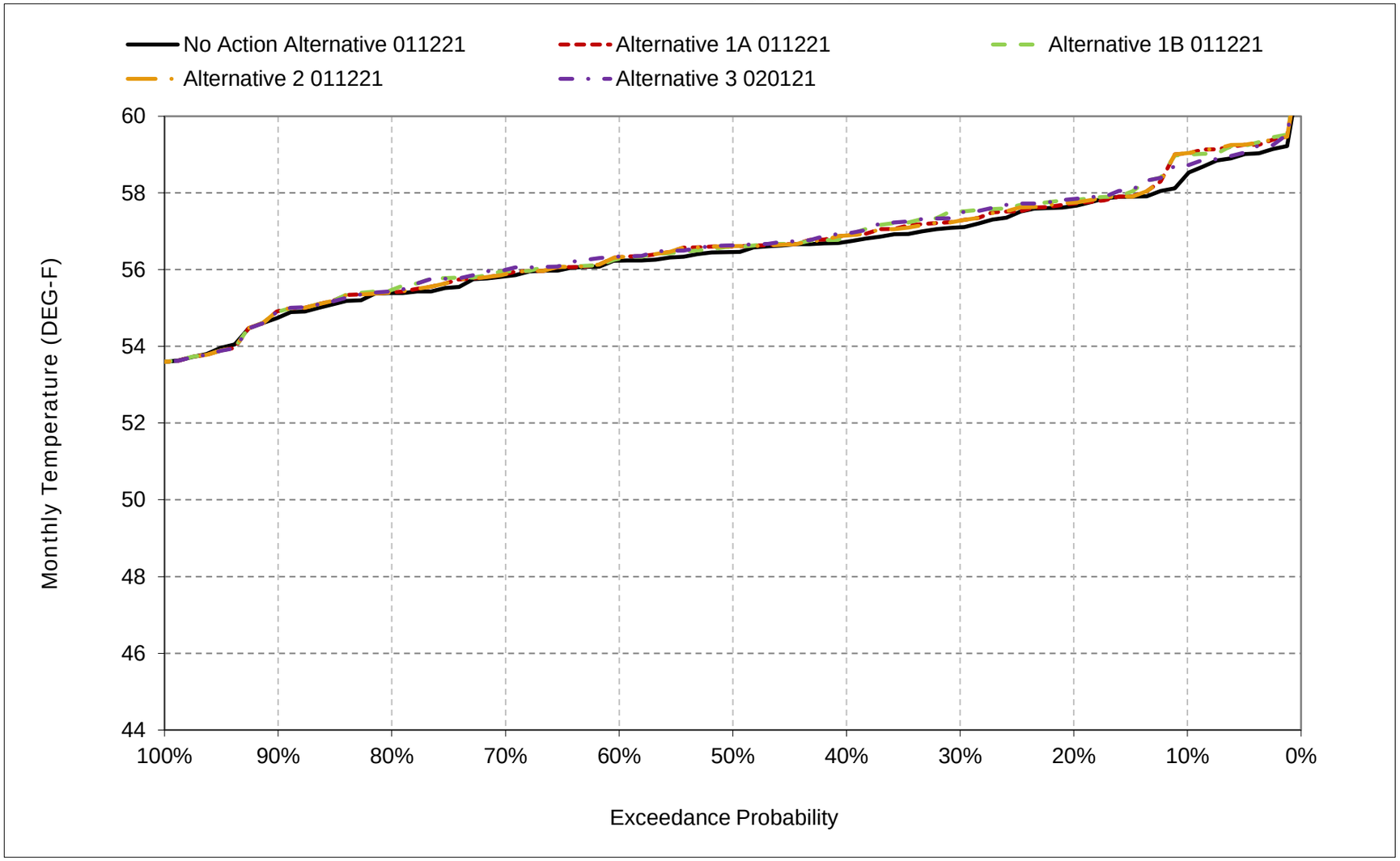
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-9-13. Sacramento River at Bend Bridge, April



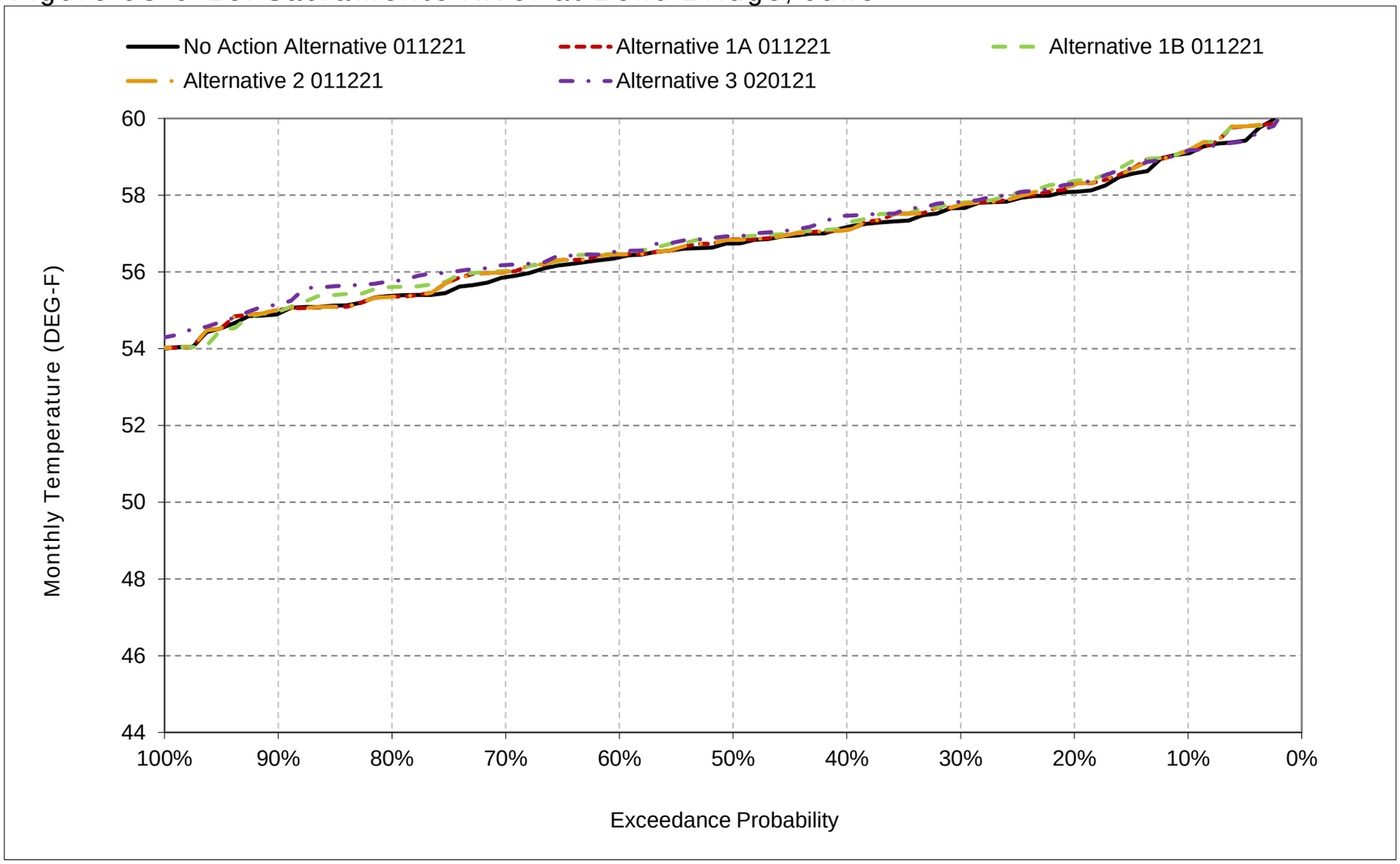
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-9-14. Sacramento River at Bend Bridge, May



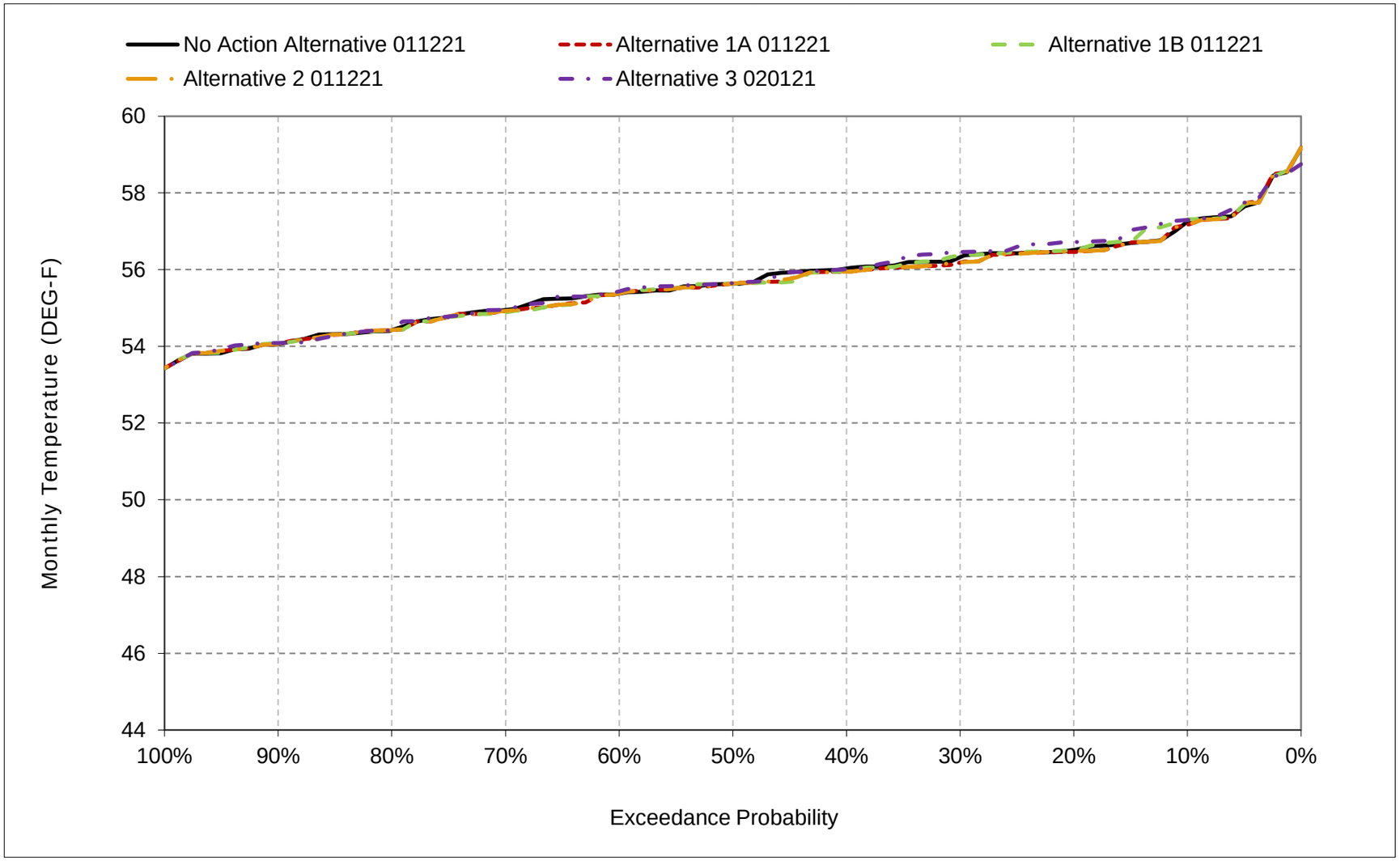
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-9-15. Sacramento River at Bend Bridge, June



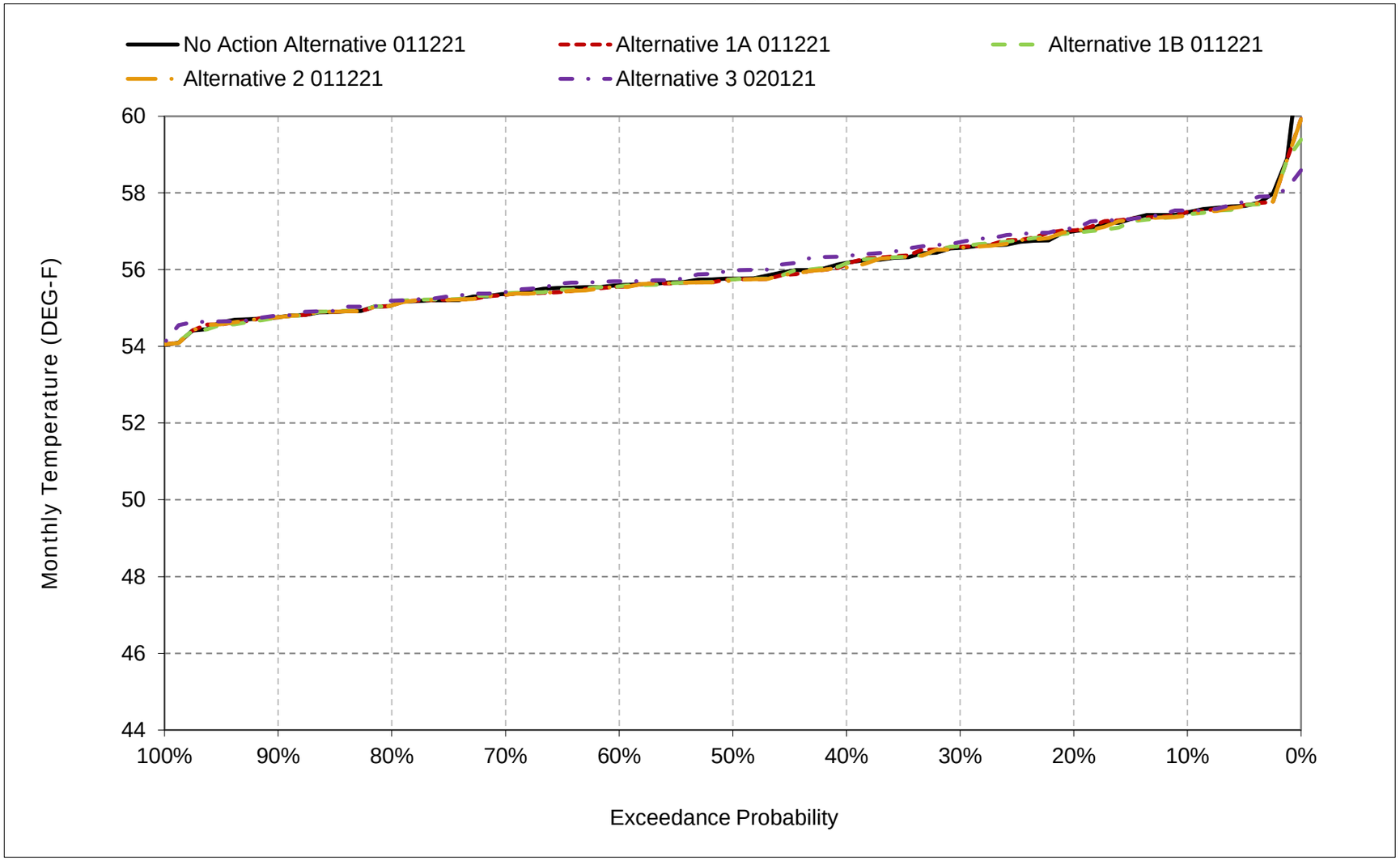
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-9-16. Sacramento River at Bend Bridge, July



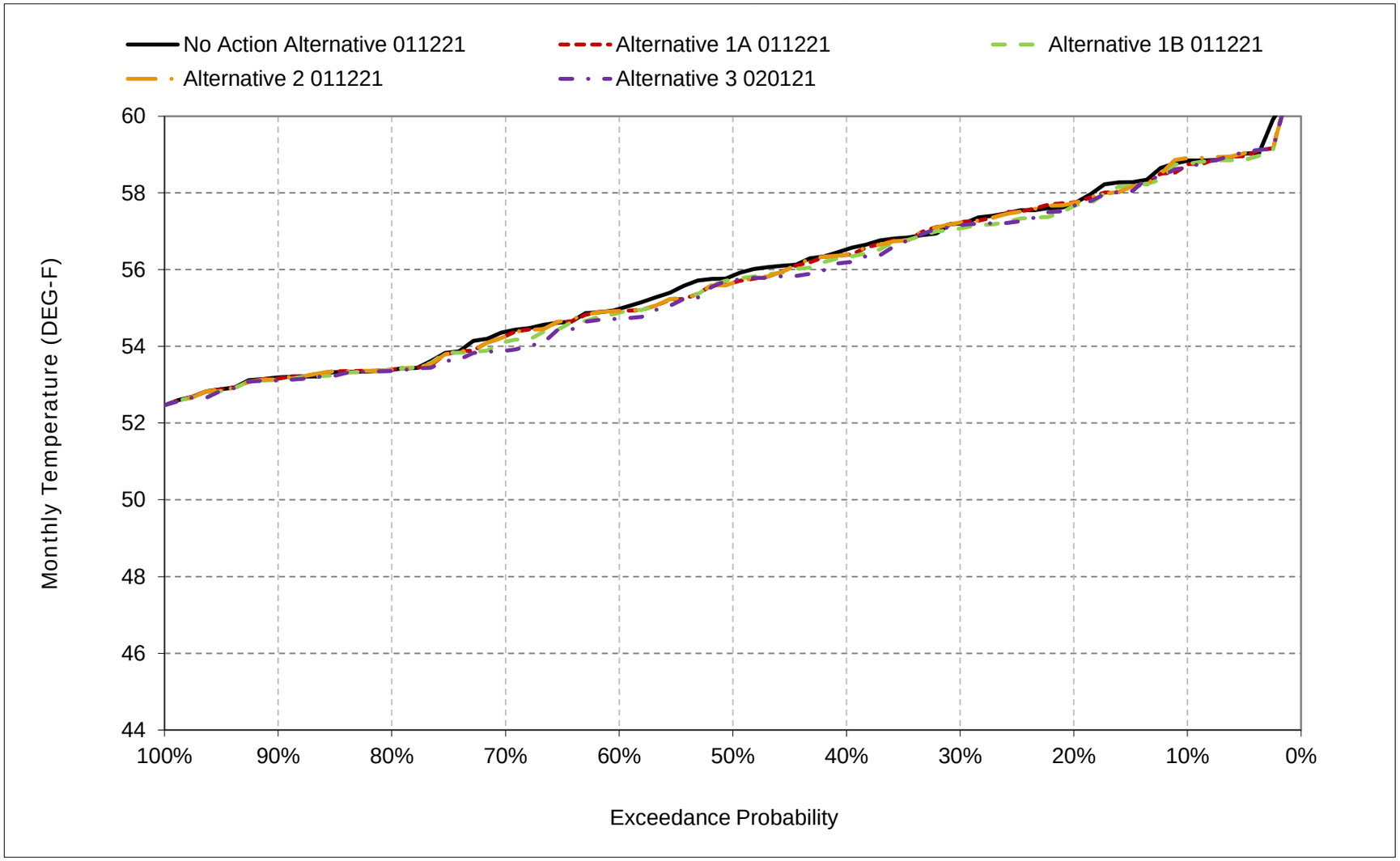
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-9-17. Sacramento River at Bend Bridge, August



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

Figure 6C-9-18. Sacramento River at Bend Bridge, September



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

Table 6C-10-1a. Sacramento River at Red Bluff, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.8	54.1	50.5	47.9	48.8	52.7	58.0	59.6	60.8	59.3	59.4	60.7
20%	56.2	53.7	49.9	47.1	48.3	51.9	57.2	58.9	59.8	58.5	59.0	59.7
30%	55.2	53.4	49.1	46.8	47.8	51.5	56.7	58.4	59.2	58.2	58.5	58.9
40%	55.0	53.0	48.8	46.4	47.5	51.0	56.4	57.9	58.9	58.0	58.1	58.4
50%	54.6	52.7	48.4	46.2	47.2	50.6	55.9	57.6	58.4	57.5	57.6	57.6
60%	54.4	52.4	48.2	46.0	47.0	50.4	55.4	57.2	58.0	57.2	57.4	56.4
70%	54.1	52.1	47.9	45.8	46.4	50.0	55.1	56.8	57.4	56.7	57.1	55.8
80%	53.9	51.9	47.7	45.6	46.0	48.9	54.4	56.3	57.0	56.1	56.7	54.7
90%	53.3	51.5	47.2	45.3	45.9	48.4	53.0	55.8	56.6	55.7	56.4	54.5
Long Term												
Full Simulation Period[a]	55.0	52.8	48.7	46.4	47.2	50.6	55.7	57.6	58.5	57.5	57.9	57.5
Water Year Types[b,c]												
Wet (32%)	54.0	53.0	49.2	46.1	46.4	49.2	54.2	57.0	59.0	57.6	57.3	55.2
Above Normal (15%)	54.6	52.5	48.5	46.3	46.7	49.9	55.5	57.6	58.3	56.5	57.2	56.0
Below Normal (17%)	54.7	52.4	48.5	46.1	47.0	51.0	56.4	57.8	57.6	56.8	57.6	58.0
Dry (22%)	55.2	52.5	48.4	46.4	47.9	51.6	56.9	58.0	57.5	57.4	58.3	59.2
Critical (15%)	57.6	53.4	48.5	47.2	48.8	52.1	56.6	58.1	60.0	59.4	59.5	61.1

Table 6C-10-1b. Sacramento River at Red Bluff, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.8	54.1	50.5	47.9	48.8	52.7	58.0	60.3	60.7	59.3	59.5	60.4
20%	55.9	53.7	49.9	47.1	48.3	51.9	57.1	59.0	59.9	58.5	59.1	59.6
30%	55.3	53.4	49.0	46.8	47.9	51.6	56.7	58.5	59.3	58.2	58.6	59.0
40%	55.0	53.0	48.8	46.4	47.5	51.0	56.4	58.1	58.9	57.9	58.1	58.3
50%	54.6	52.7	48.4	46.2	47.2	50.6	56.0	57.8	58.5	57.5	57.6	57.3
60%	54.4	52.3	48.2	46.0	47.0	50.4	55.5	57.3	58.1	57.2	57.3	56.4
70%	54.1	52.1	47.9	45.8	46.4	50.0	55.2	56.9	57.7	56.6	57.1	55.7
80%	53.8	51.9	47.7	45.6	46.0	48.9	54.4	56.5	57.0	56.1	56.7	54.7
90%	53.3	51.5	47.3	45.2	45.8	48.4	53.0	55.9	56.5	55.7	56.4	54.5
Long Term												
Full Simulation Period[a]	55.0	52.8	48.7	46.4	47.2	50.6	55.7	57.7	58.5	57.5	57.8	57.4
Water Year Types[b,c]												
Wet (32%)	54.0	52.9	49.2	46.1	46.4	49.3	54.2	57.1	59.0	57.6	57.3	55.2
Above Normal (15%)	54.5	52.5	48.5	46.3	46.7	49.9	55.5	57.7	58.4	56.5	57.2	55.9
Below Normal (17%)	54.7	52.5	48.5	46.1	47.0	51.1	56.4	57.9	57.6	56.7	57.7	57.9
Dry (22%)	55.2	52.5	48.4	46.5	47.9	51.6	57.0	58.2	57.7	57.3	58.1	59.0
Critical (15%)	57.4	53.3	48.5	47.2	48.8	52.1	56.6	58.5	60.0	59.4	59.5	60.9

Table 6C-10-1c. Sacramento River at Red Bluff, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	-0.3
20%	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.1	0.0	0.0	-0.1
30%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	-0.1	0.1	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	-0.1
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	-0.1	-0.3
60%	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	-0.1	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	-0.1	0.0	-0.1
80%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	-0.1	-0.2	-0.2
Critical (15%)	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.1	-0.1	0.0	-0.3

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-10-2a. Sacramento River at Red Bluff, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.8	54.1	50.5	47.9	48.8	52.7	58.0	59.6	60.8	59.3	59.4	60.7
20%	56.2	53.7	49.9	47.1	48.3	51.9	57.2	58.9	59.8	58.5	59.0	59.7
30%	55.2	53.4	49.1	46.8	47.8	51.5	56.7	58.4	59.2	58.2	58.5	58.9
40%	55.0	53.0	48.8	46.4	47.5	51.0	56.4	57.9	58.9	58.0	58.1	58.4
50%	54.6	52.7	48.4	46.2	47.2	50.6	55.9	57.6	58.4	57.5	57.6	57.6
60%	54.4	52.4	48.2	46.0	47.0	50.4	55.4	57.2	58.0	57.2	57.4	56.4
70%	54.1	52.1	47.9	45.8	46.4	50.0	55.1	56.8	57.4	56.7	57.1	55.8
80%	53.9	51.9	47.7	45.6	46.0	48.9	54.4	56.3	57.0	56.1	56.7	54.7
90%	53.3	51.5	47.2	45.3	45.9	48.4	53.0	55.8	56.6	55.7	56.4	54.5
Long Term												
Full Simulation Period[a]	55.0	52.8	48.7	46.4	47.2	50.6	55.7	57.6	58.5	57.5	57.9	57.5
Water Year Types[b,c]												
Wet (32%)	54.0	53.0	49.2	46.1	46.4	49.2	54.2	57.0	59.0	57.6	57.3	55.2
Above Normal (15%)	54.6	52.5	48.5	46.3	46.7	49.9	55.5	57.6	58.3	56.5	57.2	56.0
Below Normal (17%)	54.7	52.4	48.5	46.1	47.0	51.0	56.4	57.8	57.6	56.8	57.6	58.0
Dry (22%)	55.2	52.5	48.4	46.4	47.9	51.6	56.9	58.0	57.5	57.4	58.3	59.2
Critical (15%)	57.6	53.4	48.5	47.2	48.8	52.1	56.6	58.1	60.0	59.4	59.5	61.1

Table 6C-10-2b. Sacramento River at Red Bluff, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.8	54.1	50.5	47.9	48.8	52.7	58.0	60.1	60.8	59.4	59.4	60.5
20%	55.8	53.7	49.8	47.1	48.3	51.9	57.2	59.1	60.1	58.6	59.0	59.4
30%	55.2	53.3	49.0	46.7	47.8	51.6	56.7	58.7	59.4	58.3	58.6	58.9
40%	54.9	53.0	48.7	46.4	47.5	51.0	56.4	58.1	58.9	57.9	58.0	58.2
50%	54.6	52.7	48.4	46.2	47.2	50.6	56.0	57.7	58.6	57.5	57.6	57.4
60%	54.4	52.3	48.2	46.0	47.0	50.4	55.6	57.3	58.1	57.2	57.3	56.4
70%	54.1	52.1	47.9	45.8	46.4	50.0	55.0	57.0	57.7	56.6	57.1	55.5
80%	53.8	51.9	47.7	45.6	46.0	48.9	54.4	56.6	57.2	56.1	56.7	54.7
90%	53.3	51.6	47.3	45.2	45.8	48.4	53.0	55.9	56.6	55.7	56.4	54.5
Long Term												
Full Simulation Period[a]	55.0	52.8	48.7	46.4	47.2	50.6	55.8	57.8	58.6	57.5	57.8	57.4
Water Year Types[b,c]												
Wet (32%)	54.0	52.9	49.2	46.1	46.4	49.3	54.2	57.1	59.0	57.6	57.3	55.2
Above Normal (15%)	54.5	52.4	48.5	46.3	46.7	49.9	55.5	57.7	58.8	56.8	57.2	55.6
Below Normal (17%)	54.7	52.5	48.5	46.1	47.0	51.1	56.4	58.1	57.8	56.8	57.7	57.8
Dry (22%)	55.2	52.6	48.4	46.4	47.9	51.6	57.0	58.2	57.6	57.3	58.1	59.0
Critical (15%)	57.4	53.4	48.5	47.1	48.8	52.1	56.6	58.5	60.1	59.4	59.3	60.8

Table 6C-10-2c. Sacramento River at Red Bluff, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.1	0.0	-0.2
20%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.1	-0.1	-0.4
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.1	-0.1
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.1	-0.1	-0.2
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	-0.2
60%	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.1	0.0	-0.1	0.0
70%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	-0.1	0.0	-0.3
80%	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.0
90%	0.0	0.2	0.0	0.0	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	-0.1	-0.2
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.2	0.0	-0.3
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	-0.1
Dry (22%)	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	-0.1	-0.1	-0.2
Critical (15%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	-0.1	-0.2	-0.3

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-10-3a. Sacramento River at Red Bluff, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.8	54.1	50.5	47.9	48.8	52.7	58.0	59.6	60.8	59.3	59.4	60.7
20%	56.2	53.7	49.9	47.1	48.3	51.9	57.2	58.9	59.8	58.5	59.0	59.7
30%	55.2	53.4	49.1	46.8	47.8	51.5	56.7	58.4	59.2	58.2	58.5	58.9
40%	55.0	53.0	48.8	46.4	47.5	51.0	56.4	57.9	58.9	58.0	58.1	58.4
50%	54.6	52.7	48.4	46.2	47.2	50.6	55.9	57.6	58.4	57.5	57.6	57.6
60%	54.4	52.4	48.2	46.0	47.0	50.4	55.4	57.2	58.0	57.2	57.4	56.4
70%	54.1	52.1	47.9	45.8	46.4	50.0	55.1	56.8	57.4	56.7	57.1	55.8
80%	53.9	51.9	47.7	45.6	46.0	48.9	54.4	56.3	57.0	56.1	56.7	54.7
90%	53.3	51.5	47.2	45.3	45.9	48.4	53.0	55.8	56.6	55.7	56.4	54.5
Long Term												
Full Simulation Period[a]	55.0	52.8	48.7	46.4	47.2	50.6	55.7	57.6	58.5	57.5	57.9	57.5
Water Year Types[b,c]												
Wet (32%)	54.0	53.0	49.2	46.1	46.4	49.2	54.2	57.0	59.0	57.6	57.3	55.2
Above Normal (15%)	54.6	52.5	48.5	46.3	46.7	49.9	55.5	57.6	58.3	56.5	57.2	56.0
Below Normal (17%)	54.7	52.4	48.5	46.1	47.0	51.0	56.4	57.8	57.6	56.8	57.6	58.0
Dry (22%)	55.2	52.5	48.4	46.4	47.9	51.6	56.9	58.0	57.5	57.4	58.3	59.2
Critical (15%)	57.6	53.4	48.5	47.2	48.8	52.1	56.6	58.1	60.0	59.4	59.5	61.1

Table 6C-10-3b. Sacramento River at Red Bluff, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.8	54.1	50.5	47.9	48.8	52.7	58.0	60.3	60.8	59.3	59.4	60.6
20%	55.8	53.7	49.9	47.1	48.3	52.0	57.1	59.0	59.9	58.6	59.0	59.5
30%	55.3	53.4	49.1	46.8	47.8	51.6	56.7	58.6	59.3	58.2	58.5	59.0
40%	55.0	52.9	48.8	46.4	47.5	51.0	56.4	58.1	58.9	57.9	58.0	58.3
50%	54.6	52.7	48.4	46.2	47.2	50.6	56.0	57.8	58.5	57.5	57.6	57.3
60%	54.4	52.3	48.2	46.0	47.0	50.4	55.5	57.3	58.1	57.2	57.3	56.4
70%	54.1	52.1	47.9	45.8	46.4	50.0	55.2	56.9	57.7	56.6	57.1	55.7
80%	53.8	51.9	47.8	45.6	46.0	48.9	54.4	56.5	57.0	56.1	56.7	54.7
90%	53.3	51.5	47.3	45.2	45.8	48.4	53.0	55.9	56.5	55.7	56.4	54.5
Long Term												
Full Simulation Period[a]	55.0	52.8	48.7	46.4	47.2	50.6	55.7	57.8	58.5	57.5	57.8	57.4
Water Year Types[b,c]												
Wet (32%)	54.0	52.9	49.2	46.1	46.4	49.3	54.2	57.1	59.0	57.6	57.3	55.2
Above Normal (15%)	54.5	52.5	48.5	46.3	46.7	49.9	55.5	57.7	58.4	56.5	57.2	55.9
Below Normal (17%)	54.7	52.5	48.5	46.1	47.0	51.1	56.4	57.9	57.7	56.7	57.6	57.9
Dry (22%)	55.2	52.5	48.4	46.5	47.9	51.6	57.0	58.2	57.7	57.3	58.1	59.0
Critical (15%)	57.5	53.5	48.5	47.1	48.8	52.1	56.6	58.5	60.0	59.4	59.3	60.9

Table 6C-10-3c. Sacramento River at Red Bluff, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	-0.1
20%	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.2	0.0	0.0	-0.2
30%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	-0.1	0.0	0.0
40%	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1	-0.1
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	-0.1	-0.3
60%	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	-0.1	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.3	-0.1	0.0	-0.1
80%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0	0.0
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	-0.1	-0.2	-0.2
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	-0.1	-0.2	-0.2

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-10-4a. Sacramento River at Red Bluff, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.8	54.1	50.5	47.9	48.8	52.7	58.0	59.6	60.8	59.3	59.4	60.7
20%	56.2	53.7	49.9	47.1	48.3	51.9	57.2	58.9	59.8	58.5	59.0	59.7
30%	55.2	53.4	49.1	46.8	47.8	51.5	56.7	58.4	59.2	58.2	58.5	58.9
40%	55.0	53.0	48.8	46.4	47.5	51.0	56.4	57.9	58.9	58.0	58.1	58.4
50%	54.6	52.7	48.4	46.2	47.2	50.6	55.9	57.6	58.4	57.5	57.6	57.6
60%	54.4	52.4	48.2	46.0	47.0	50.4	55.4	57.2	58.0	57.2	57.4	56.4
70%	54.1	52.1	47.9	45.8	46.4	50.0	55.1	56.8	57.4	56.7	57.1	55.8
80%	53.9	51.9	47.7	45.6	46.0	48.9	54.4	56.3	57.0	56.1	56.7	54.7
90%	53.3	51.5	47.2	45.3	45.9	48.4	53.0	55.8	56.6	55.7	56.4	54.5
Long Term												
Full Simulation Period[a]	55.0	52.8	48.7	46.4	47.2	50.6	55.7	57.6	58.5	57.5	57.9	57.5
Water Year Types[b,c]												
Wet (32%)	54.0	53.0	49.2	46.1	46.4	49.2	54.2	57.0	59.0	57.6	57.3	55.2
Above Normal (15%)	54.6	52.5	48.5	46.3	46.7	49.9	55.5	57.6	58.3	56.5	57.2	56.0
Below Normal (17%)	54.7	52.4	48.5	46.1	47.0	51.0	56.4	57.8	57.6	56.8	57.6	58.0
Dry (22%)	55.2	52.5	48.4	46.4	47.9	51.6	56.9	58.0	57.5	57.4	58.3	59.2
Critical (15%)	57.6	53.4	48.5	47.2	48.8	52.1	56.6	58.1	60.0	59.4	59.5	61.1

Table 6C-10-4b. Sacramento River at Red Bluff, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.8	54.1	50.5	47.8	48.8	52.7	58.0	60.0	60.8	59.5	59.6	60.5
20%	55.9	53.8	49.6	47.1	48.3	52.0	57.3	59.1	60.1	58.7	59.1	59.5
30%	55.2	53.3	49.0	46.8	47.8	51.5	56.8	58.7	59.5	58.4	58.7	58.9
40%	54.9	53.0	48.8	46.4	47.5	50.9	56.4	58.2	59.0	57.9	58.3	58.1
50%	54.6	52.8	48.4	46.2	47.1	50.6	56.0	57.9	58.7	57.5	57.7	57.3
60%	54.2	52.3	48.2	46.0	47.0	50.4	55.5	57.4	58.2	57.3	57.6	56.3
70%	54.0	52.1	48.0	45.8	46.3	50.0	55.0	57.1	57.8	56.8	57.2	55.4
80%	53.8	51.9	47.7	45.6	46.0	48.9	54.5	56.5	57.4	56.1	56.8	54.7
90%	53.3	51.5	47.3	45.2	45.8	48.4	53.0	55.9	56.8	55.7	56.4	54.5
Long Term												
Full Simulation Period[a]	54.9	52.8	48.7	46.4	47.2	50.6	55.8	57.8	58.7	57.6	57.9	57.3
Water Year Types[b,c]												
Wet (32%)	54.0	52.9	49.2	46.1	46.4	49.3	54.2	57.1	59.0	57.6	57.3	55.2
Above Normal (15%)	54.3	52.4	48.5	46.3	46.7	49.9	55.5	57.7	59.0	57.0	57.8	55.4
Below Normal (17%)	54.5	52.5	48.5	46.1	47.0	51.1	56.4	58.1	58.2	56.9	57.7	57.7
Dry (22%)	55.1	52.5	48.4	46.4	47.9	51.6	57.1	58.3	57.7	57.4	58.3	59.0
Critical (15%)	57.3	53.4	48.6	47.2	48.8	52.1	56.7	58.4	59.8	59.4	59.2	60.7

Table 6C-10-4c. Sacramento River at Red Bluff, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.1	0.0	0.0	-0.1	0.0	0.1	0.0	0.4	0.0	0.1	0.2	-0.2
20%	-0.3	0.1	-0.3	0.0	0.0	0.0	0.1	0.2	0.3	0.2	0.1	-0.2
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.2	-0.1
40%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	-0.1	0.2	-0.2
50%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.1	0.0	-0.4
60%	-0.2	-0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.2	-0.1
70%	-0.1	0.0	0.1	0.0	-0.1	0.0	-0.1	0.2	0.5	0.0	0.0	-0.4
80%	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.1	0.1	0.0
90%	0.0	0.1	0.1	-0.1	-0.1	0.0	0.0	0.1	0.3	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.1	-0.2
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.7	0.4	0.6	-0.6
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.6	0.1	0.1	-0.2
Dry (22%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.2	0.0	0.1	-0.1
Critical (15%)	-0.3	0.0	0.1	0.0	0.0	0.0	0.1	0.4	-0.1	-0.1	-0.3	-0.4

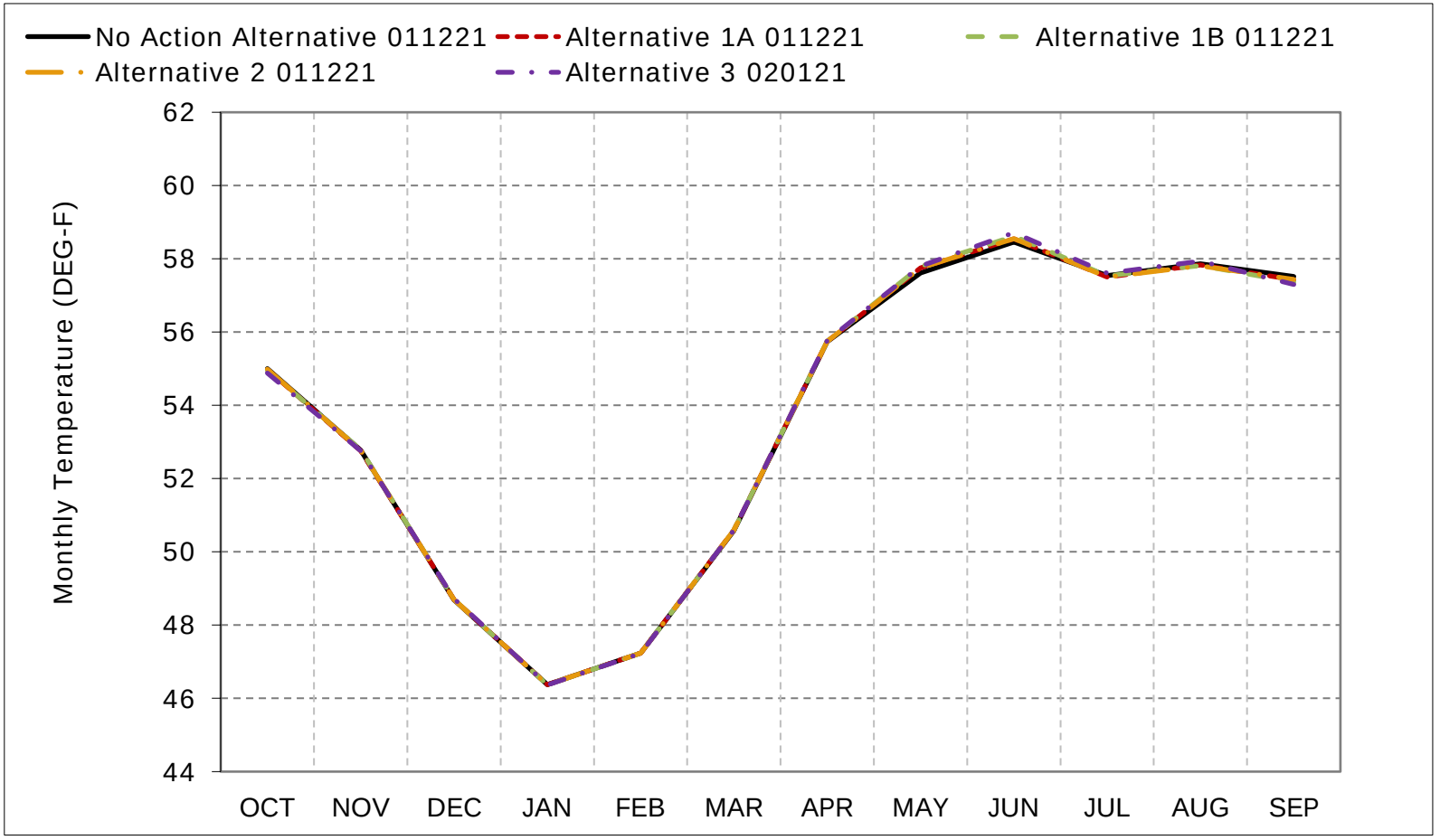
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

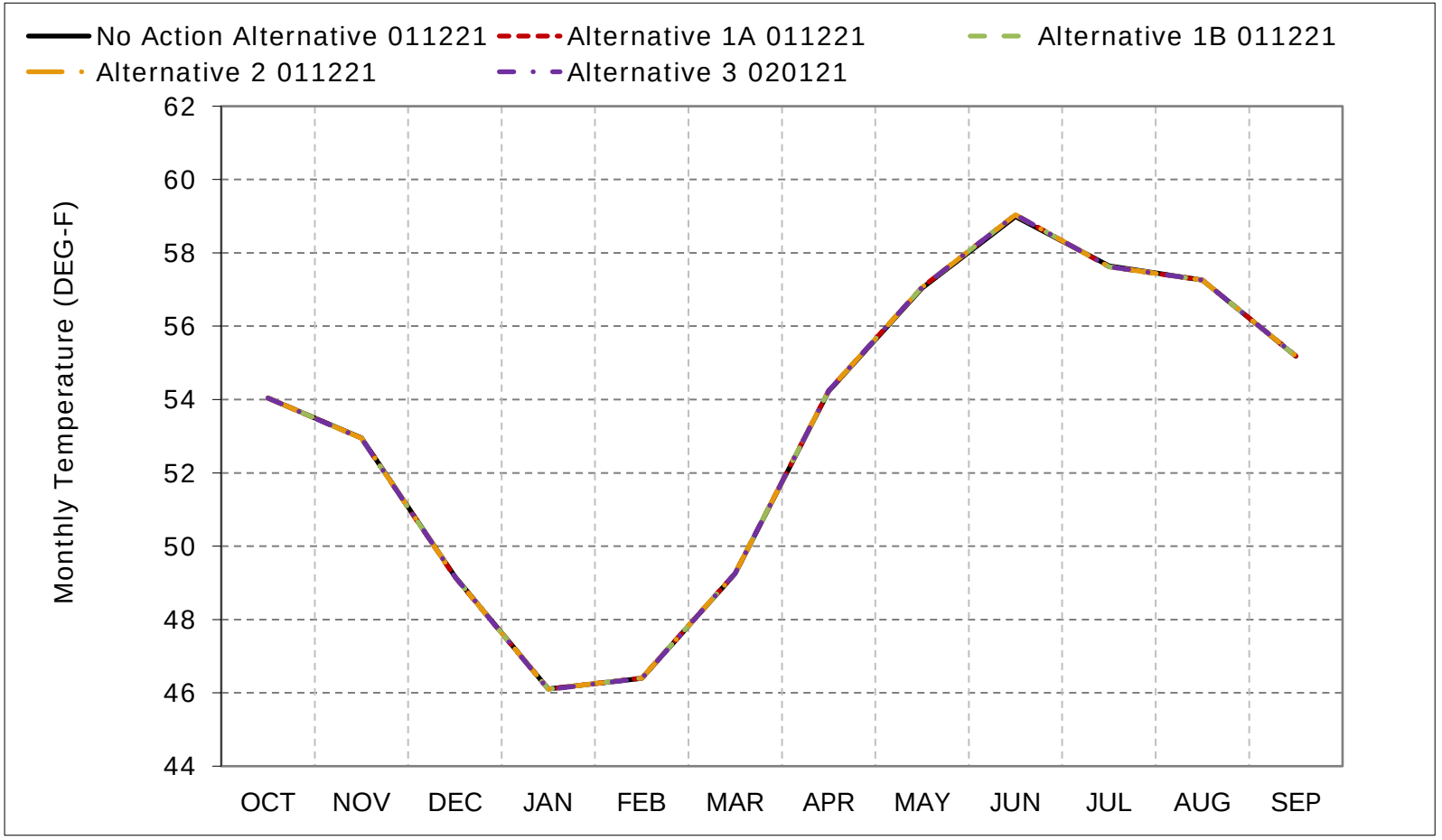
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-10-1. Sacramento River at Red Bluff, Long-Term Average Temperature



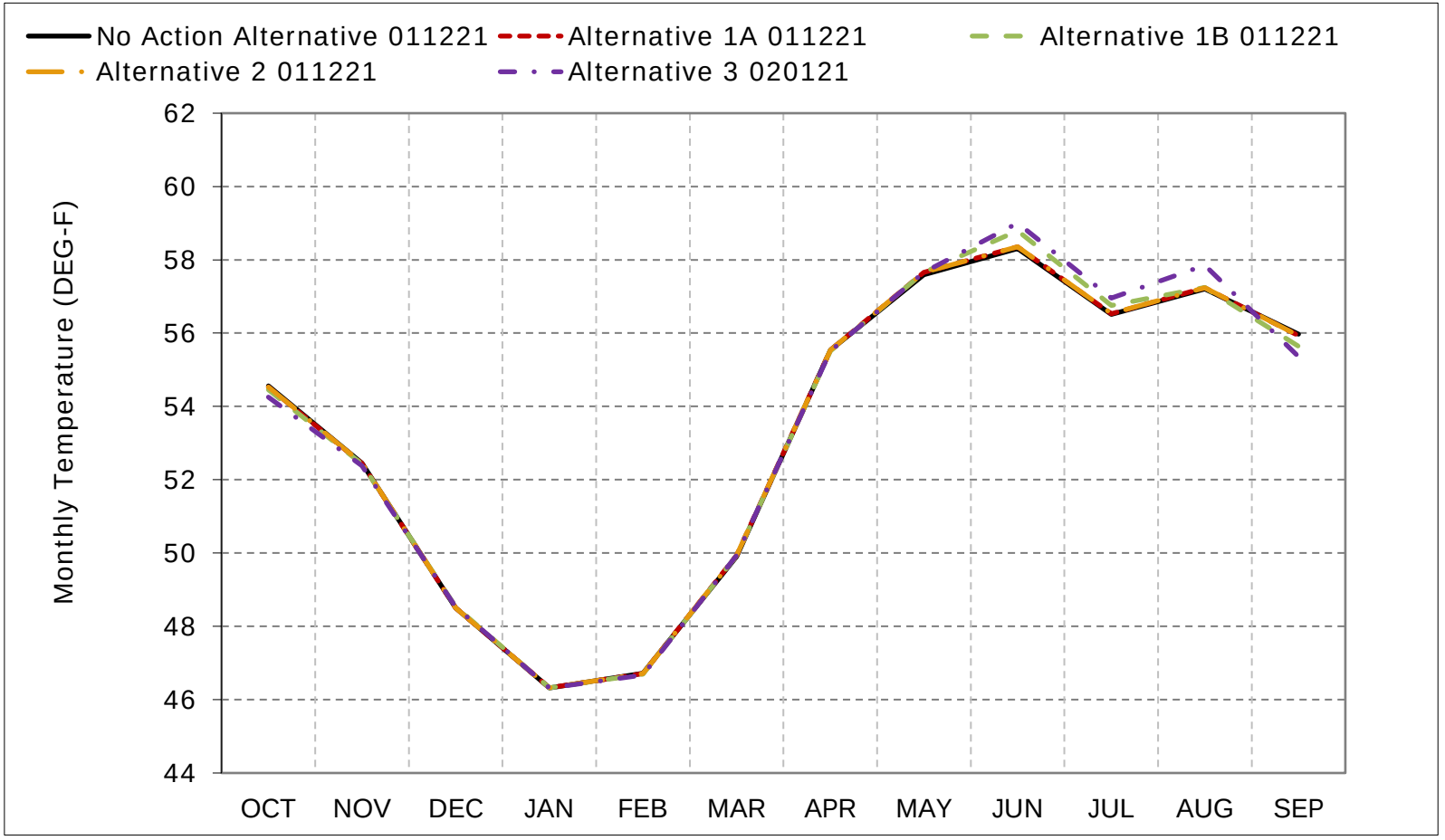
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-10-2. Sacramento River at Red Bluff, Wet Year Average Temperature



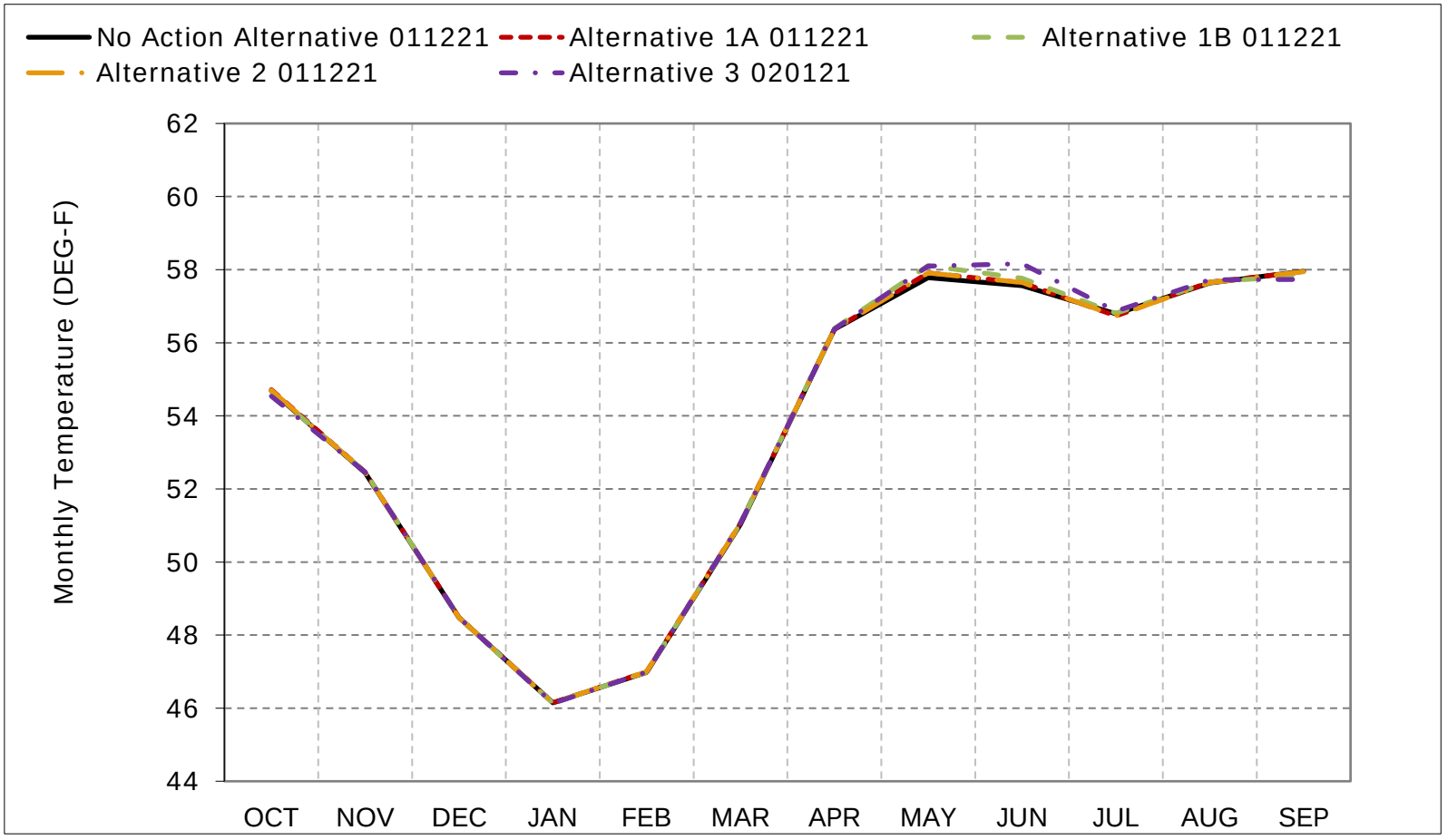
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-10-3. Sacramento River at Red Bluff, Above Normal Year Average Temperat



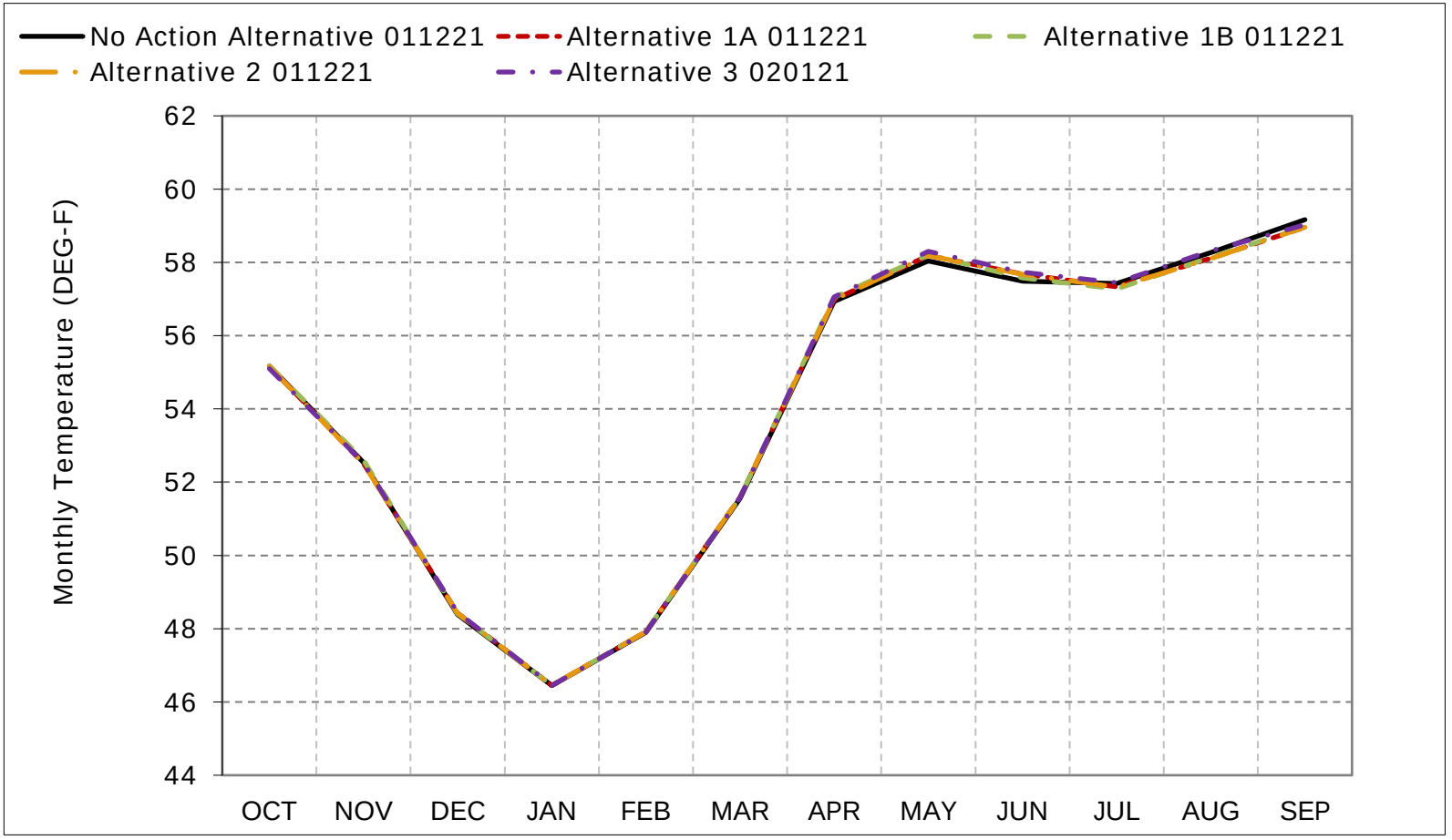
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-10-4. Sacramento River at Red Bluff, Below Normal Year Average Temperat



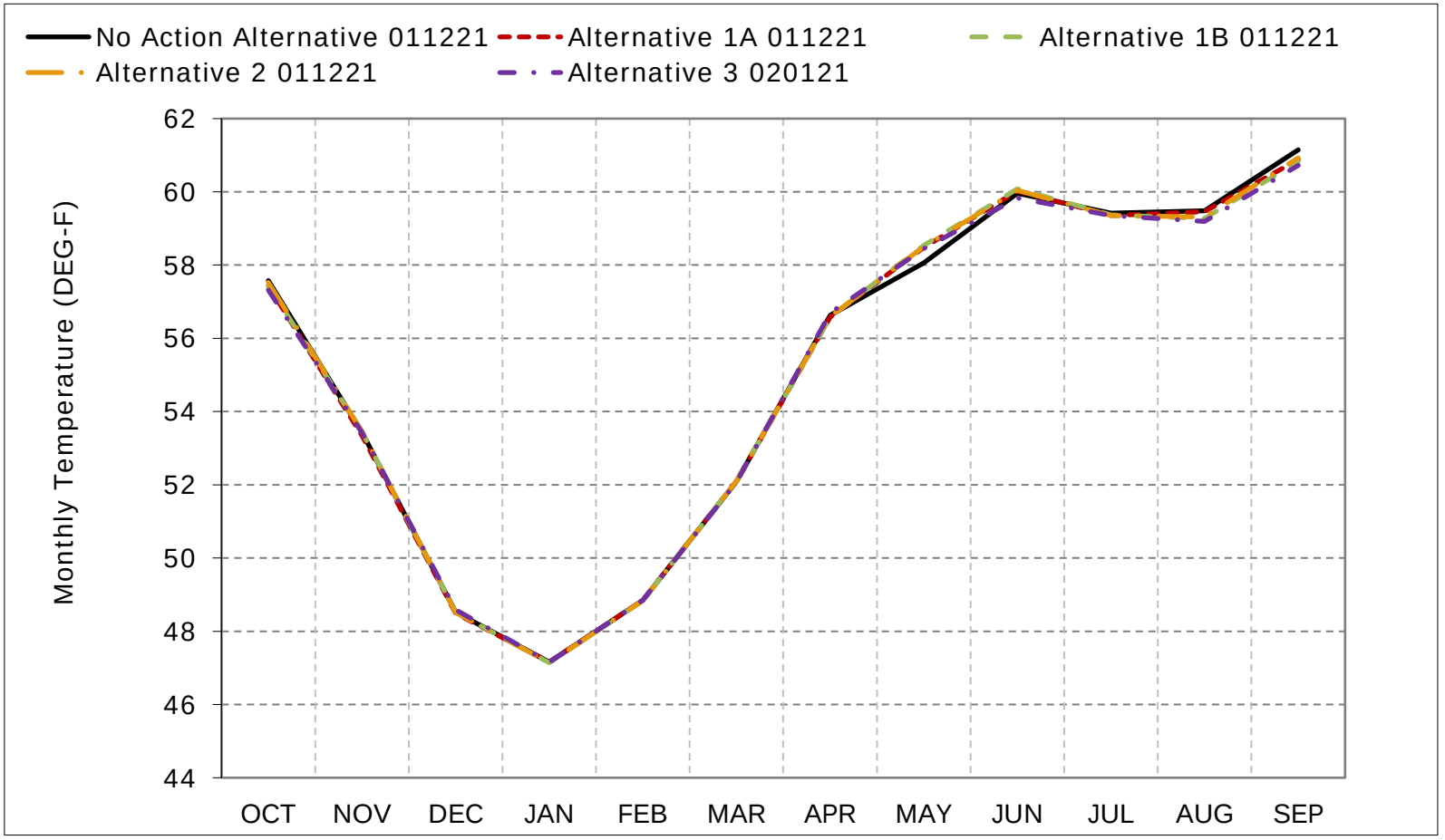
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-10-5. Sacramento River at Red Bluff, Dry Year Average Temperature



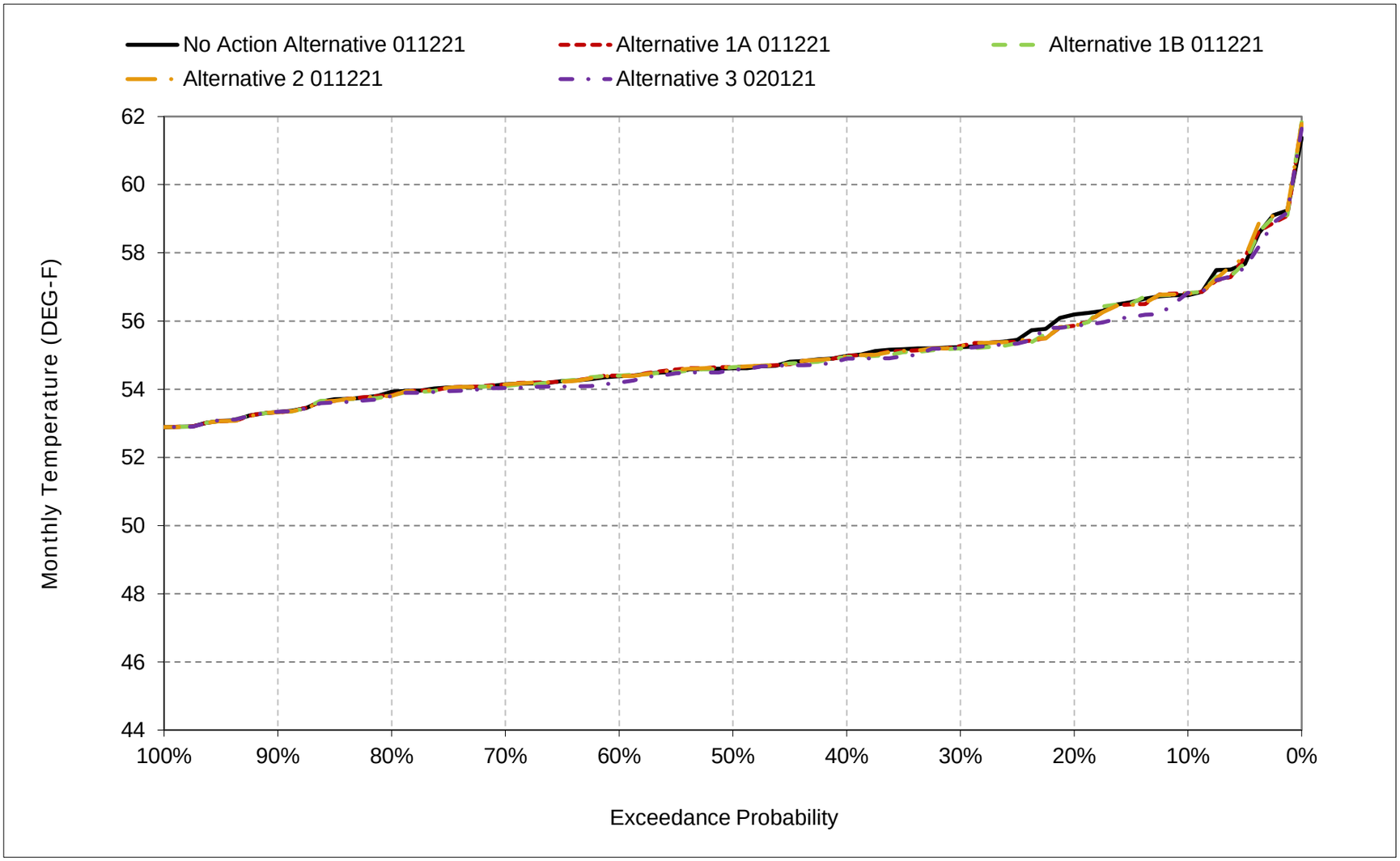
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-10-6. Sacramento River at Red Bluff, Critical Year Average Temperature



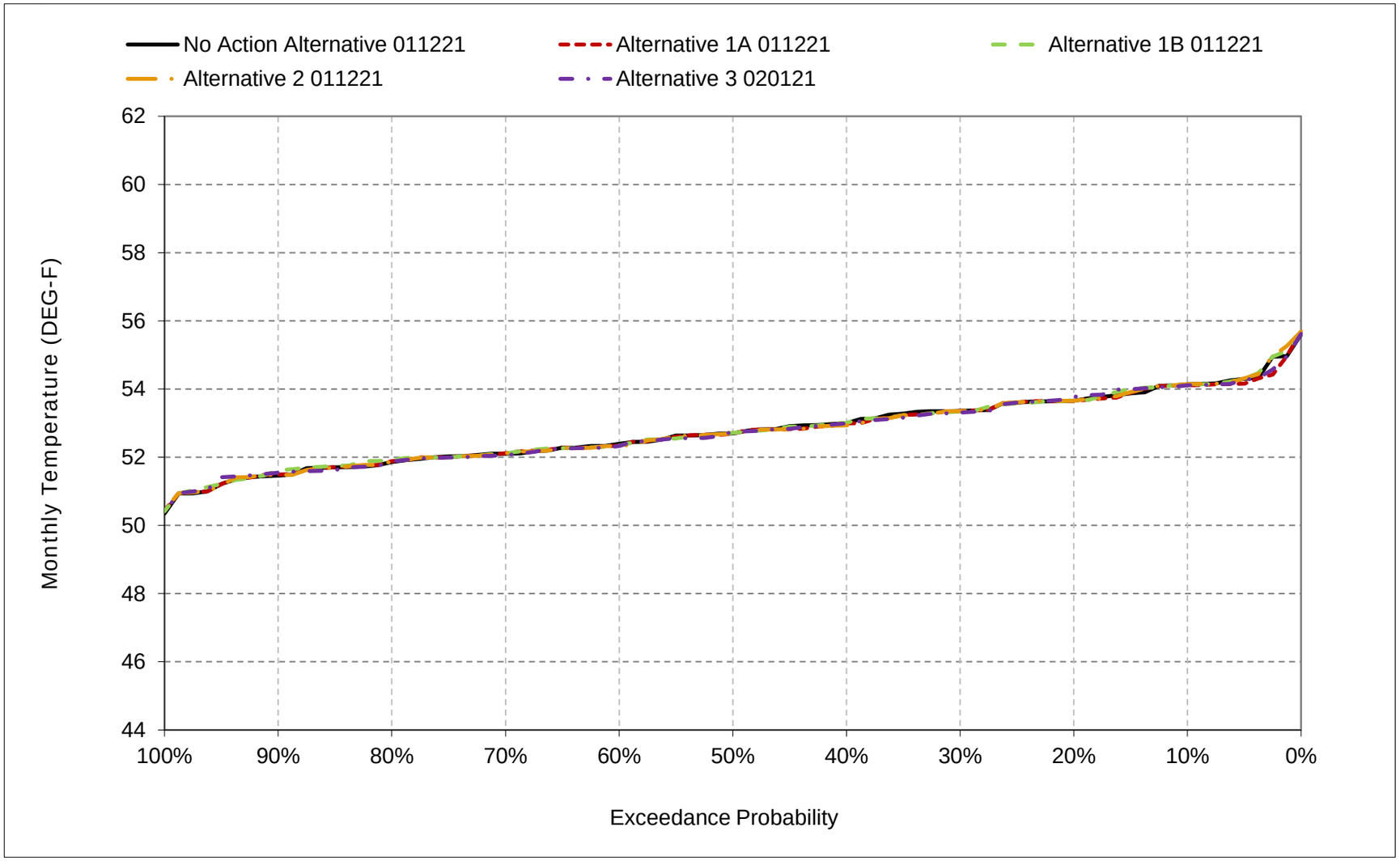
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-10-7. Sacramento River at Red Bluff, October



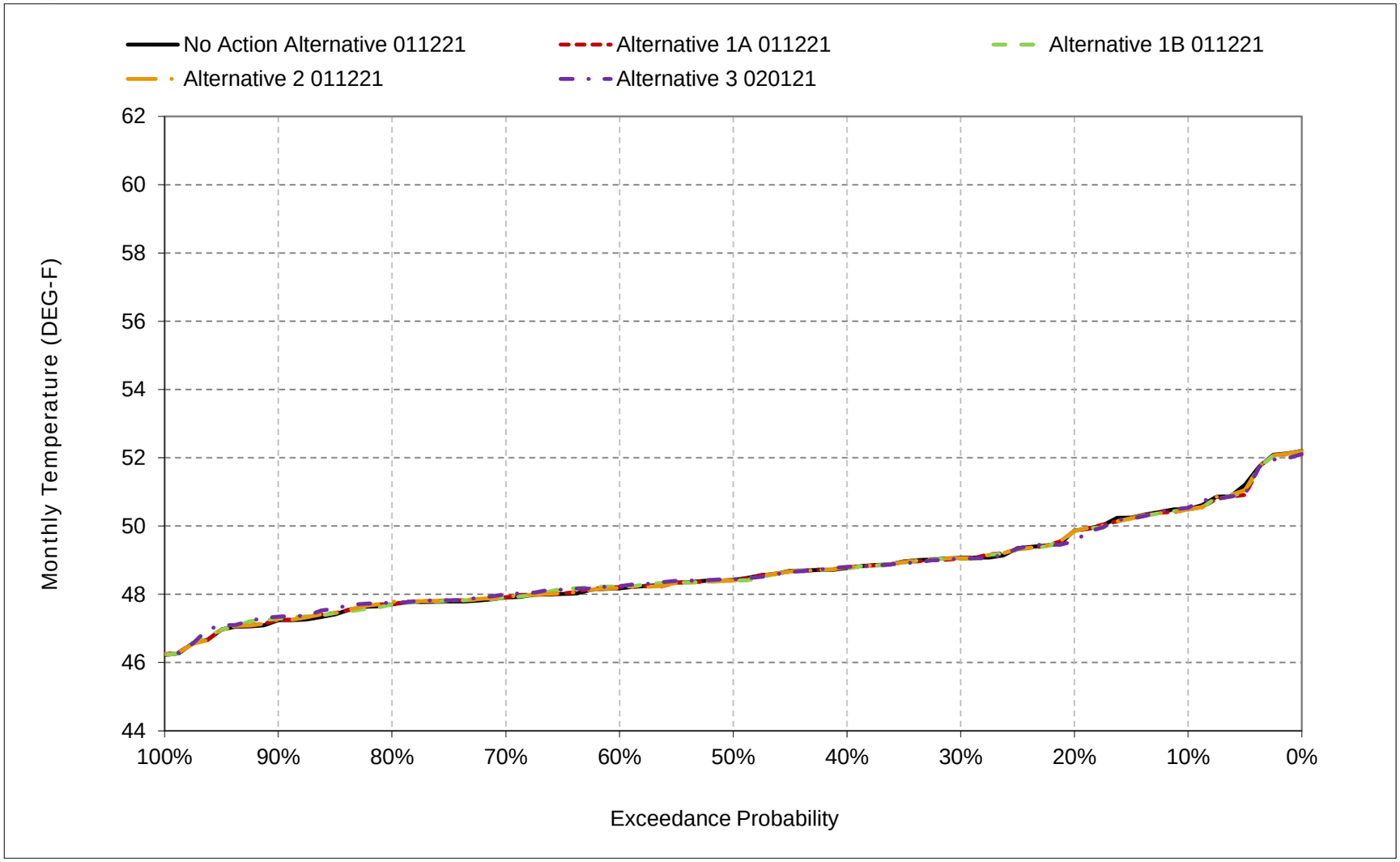
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-10-8. Sacramento River at Red Bluff, November



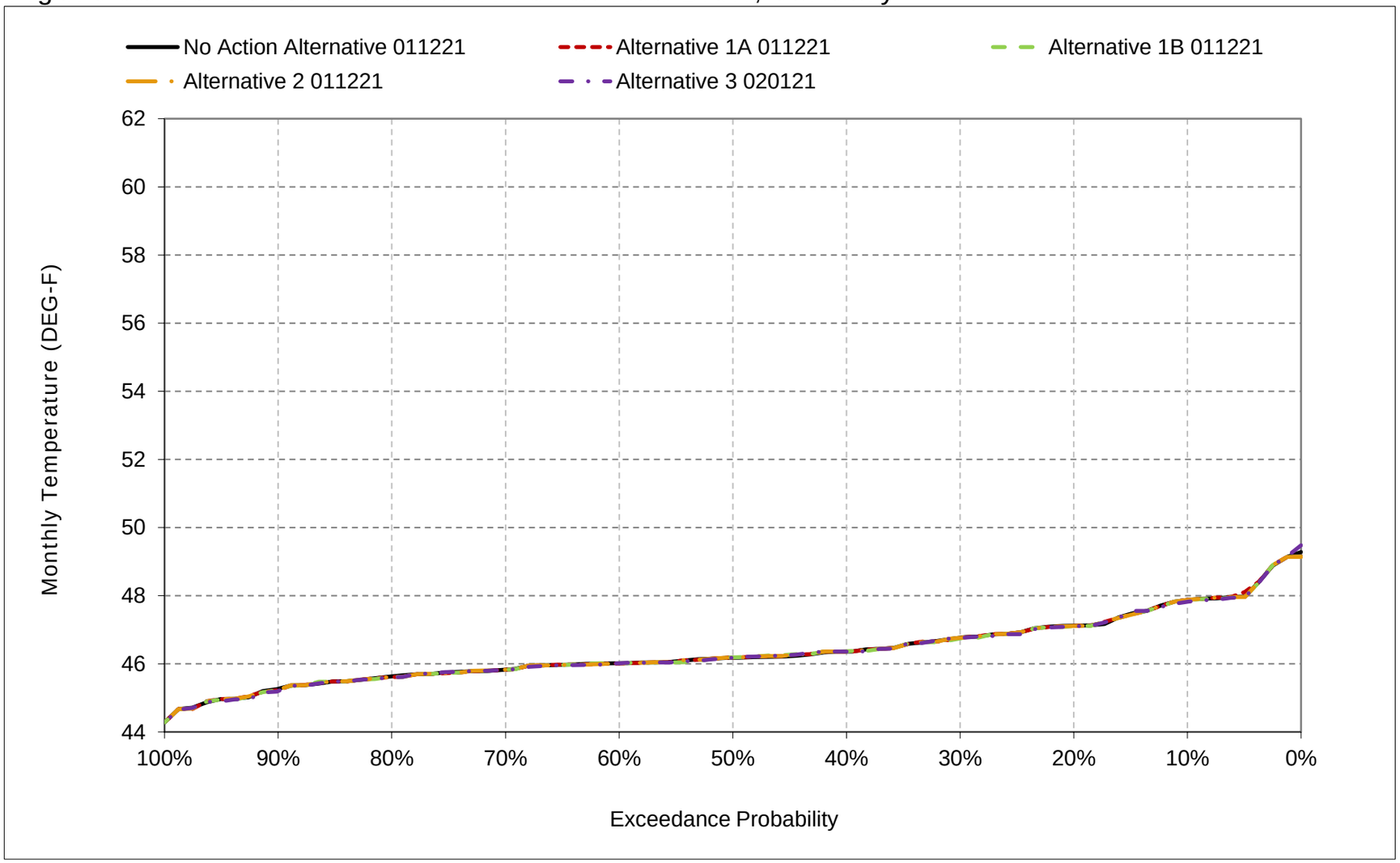
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-10-9. Sacramento River at Red Bluff, December



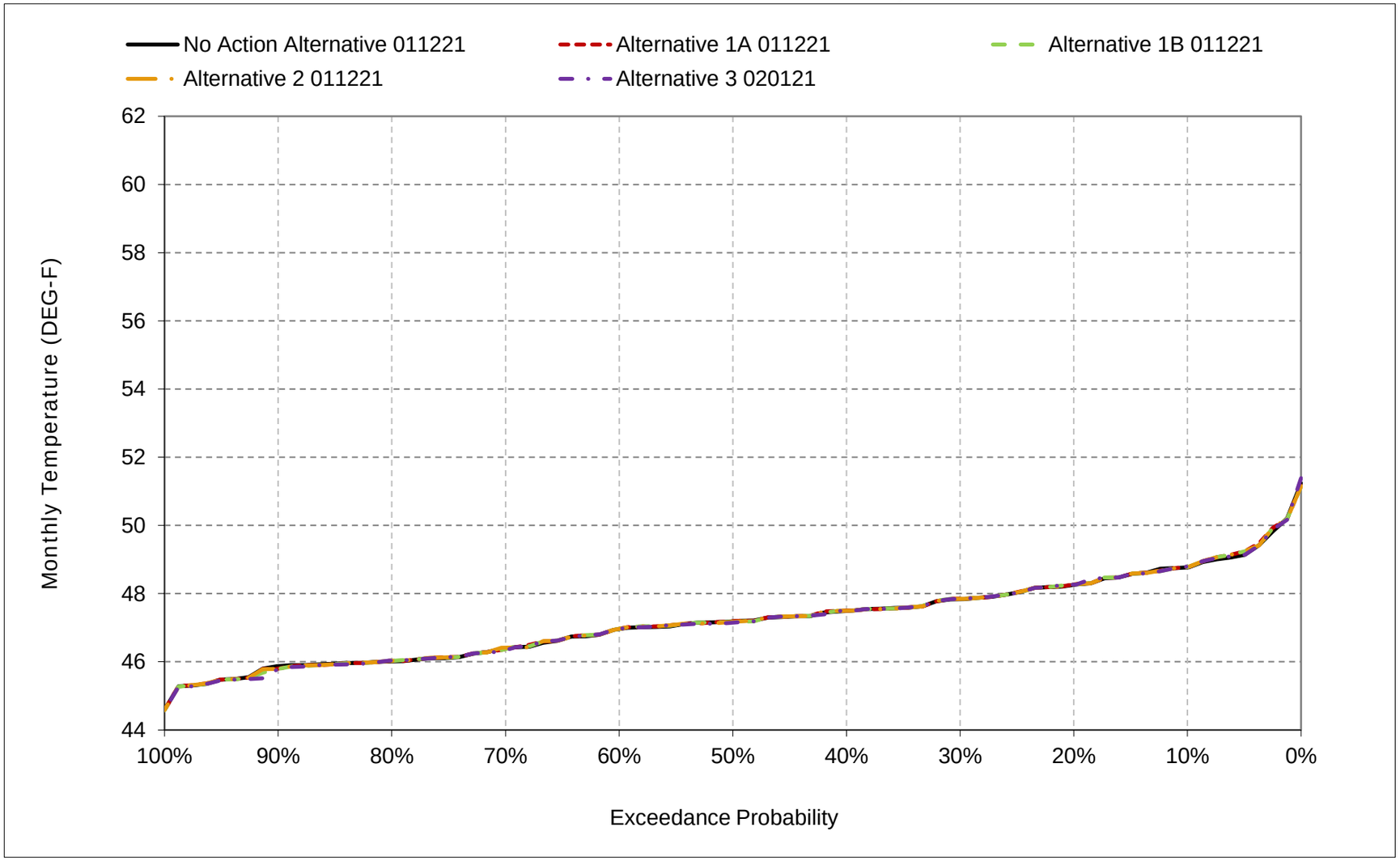
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-10-10. Sacramento River at Red Bluff, January



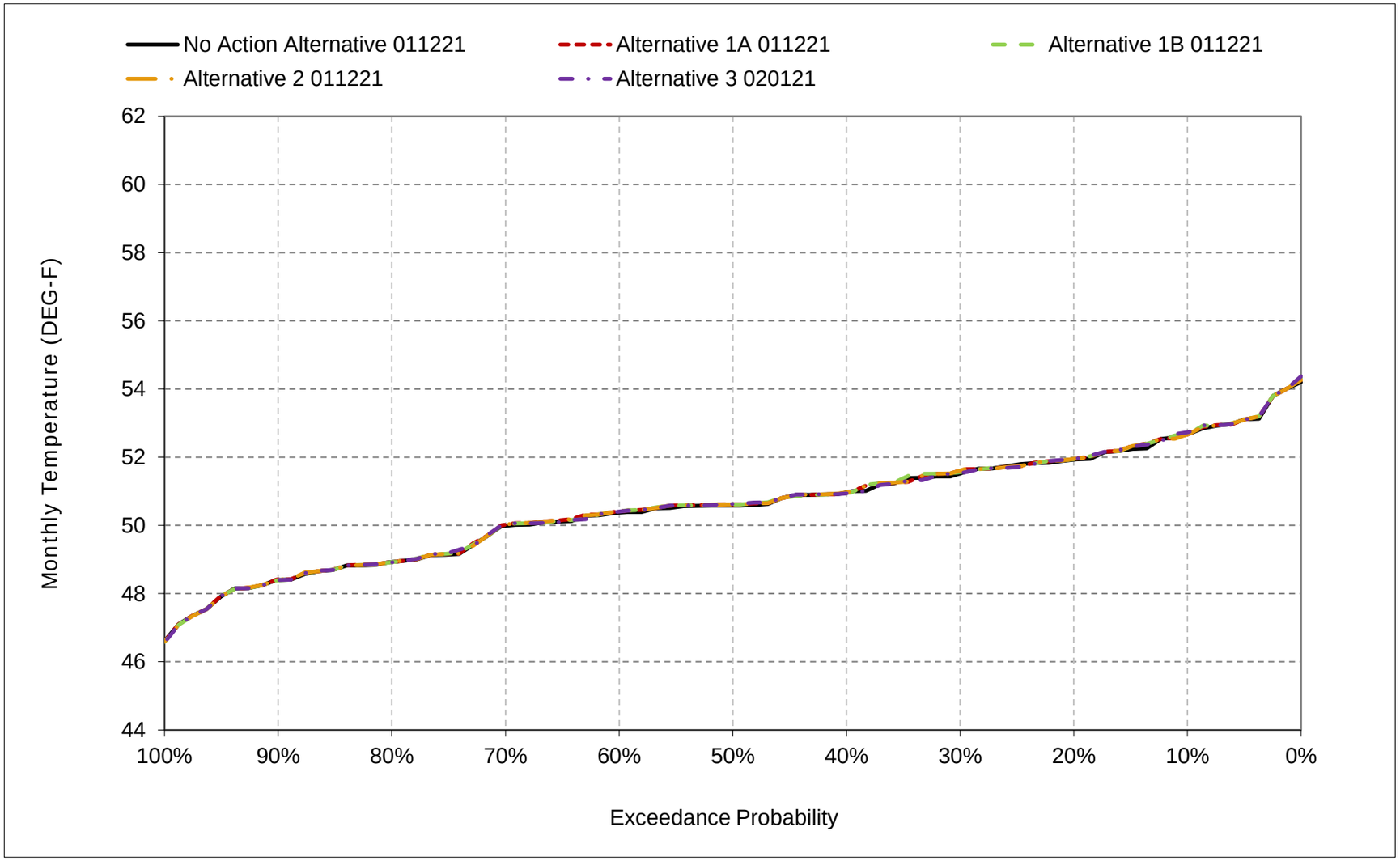
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-10-11. Sacramento River at Red Bluff, February



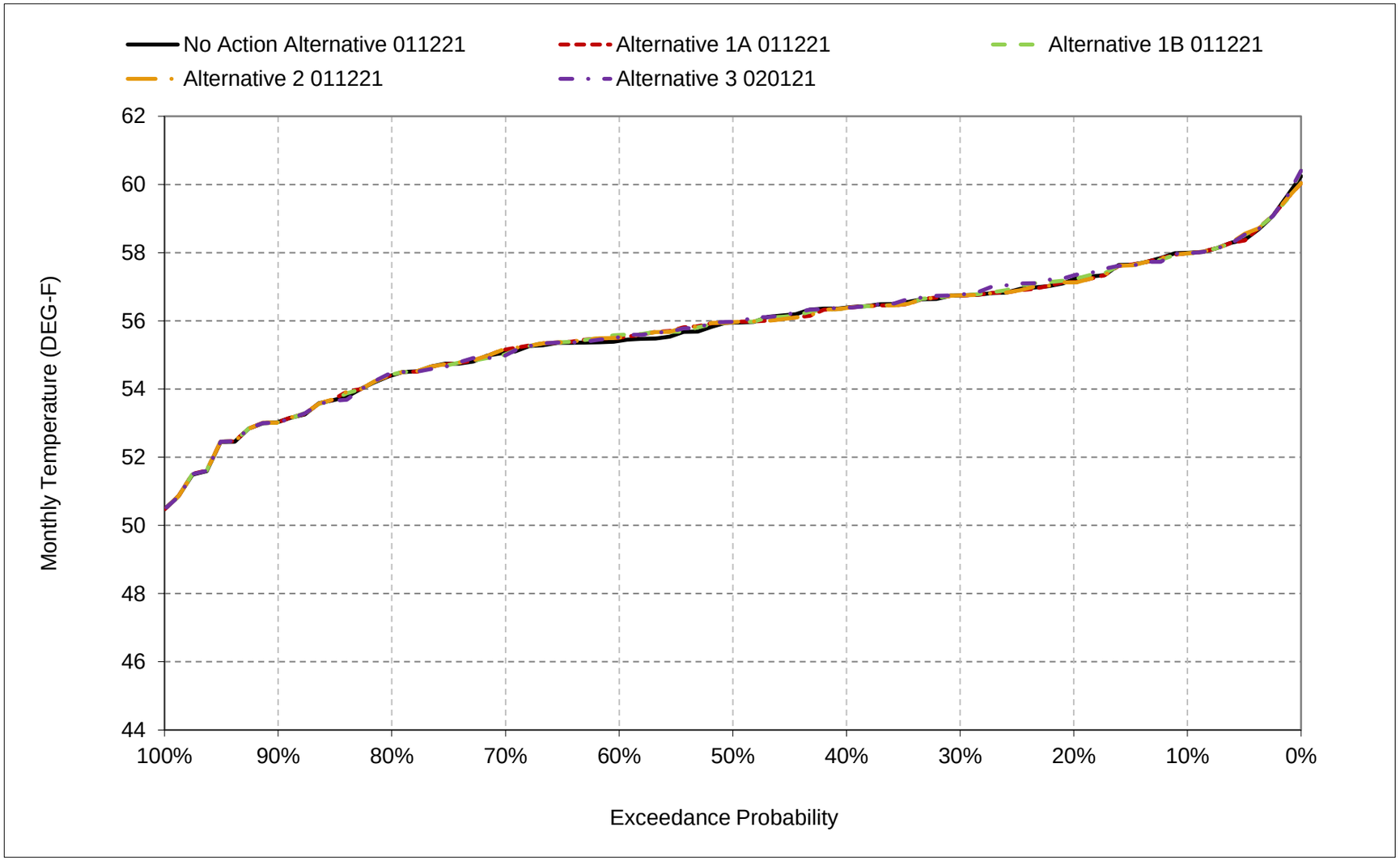
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-10-12. Sacramento River at Red Bluff, March



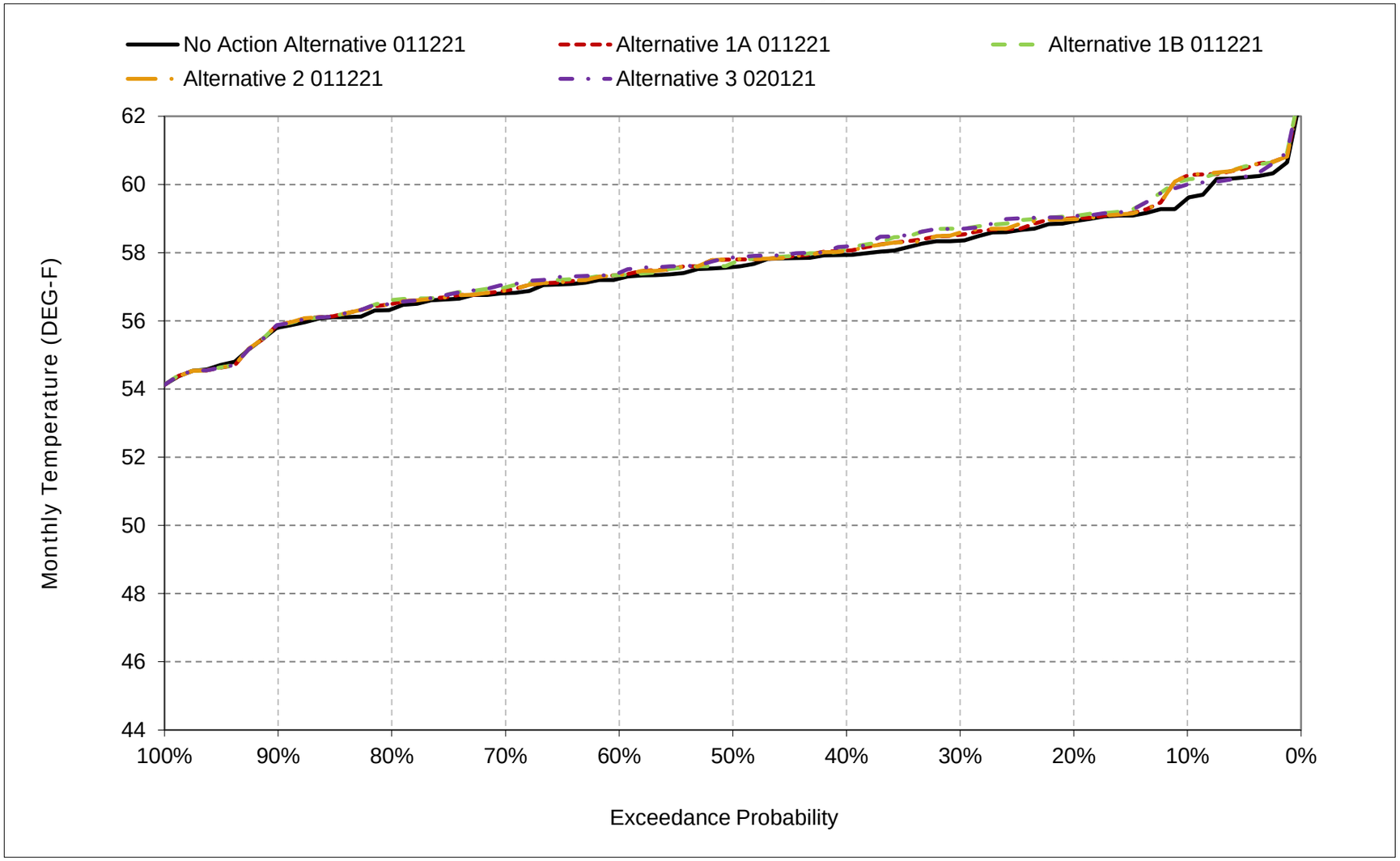
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-10-13. Sacramento River at Red Bluff, April



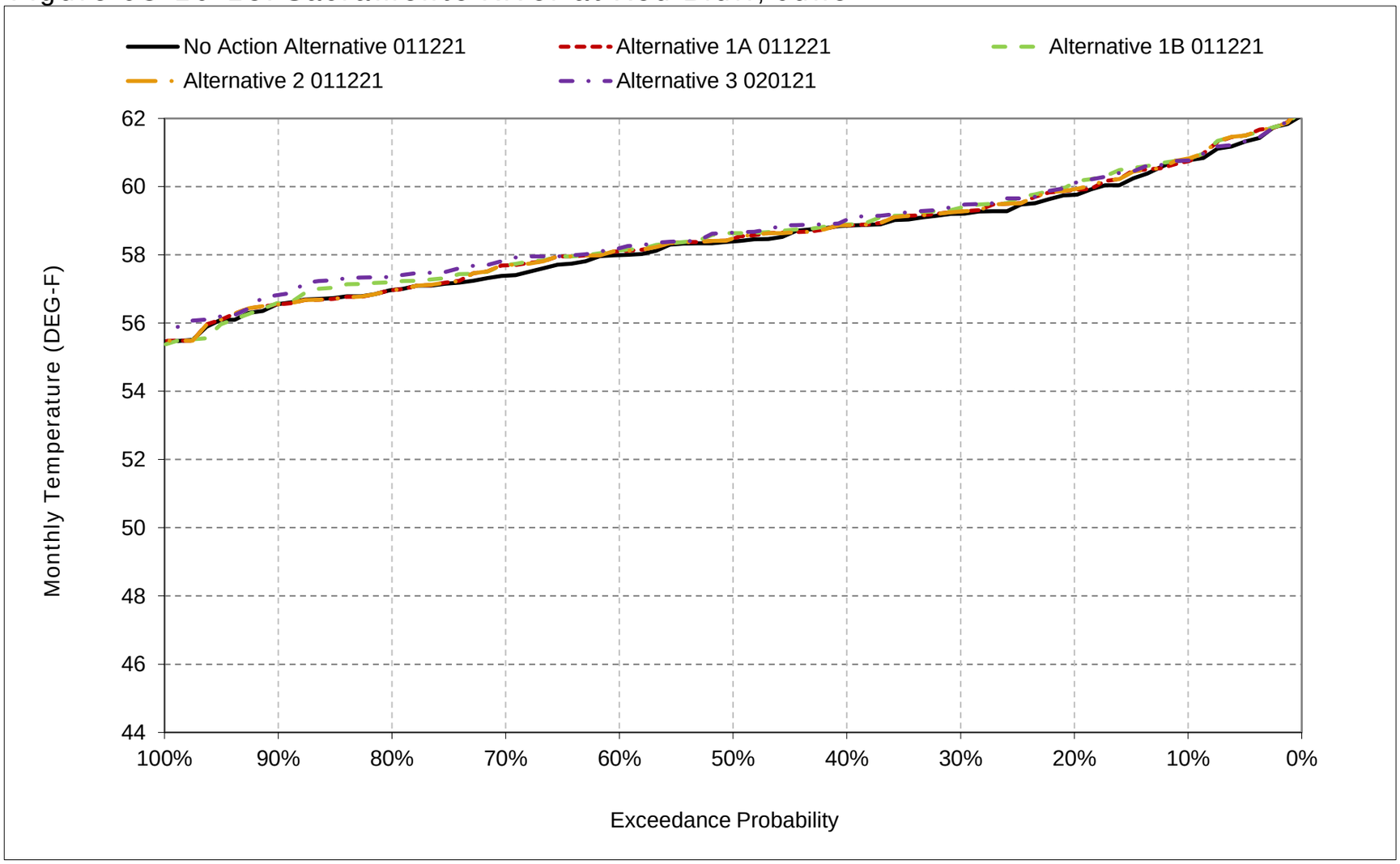
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-10-14. Sacramento River at Red Bluff, May



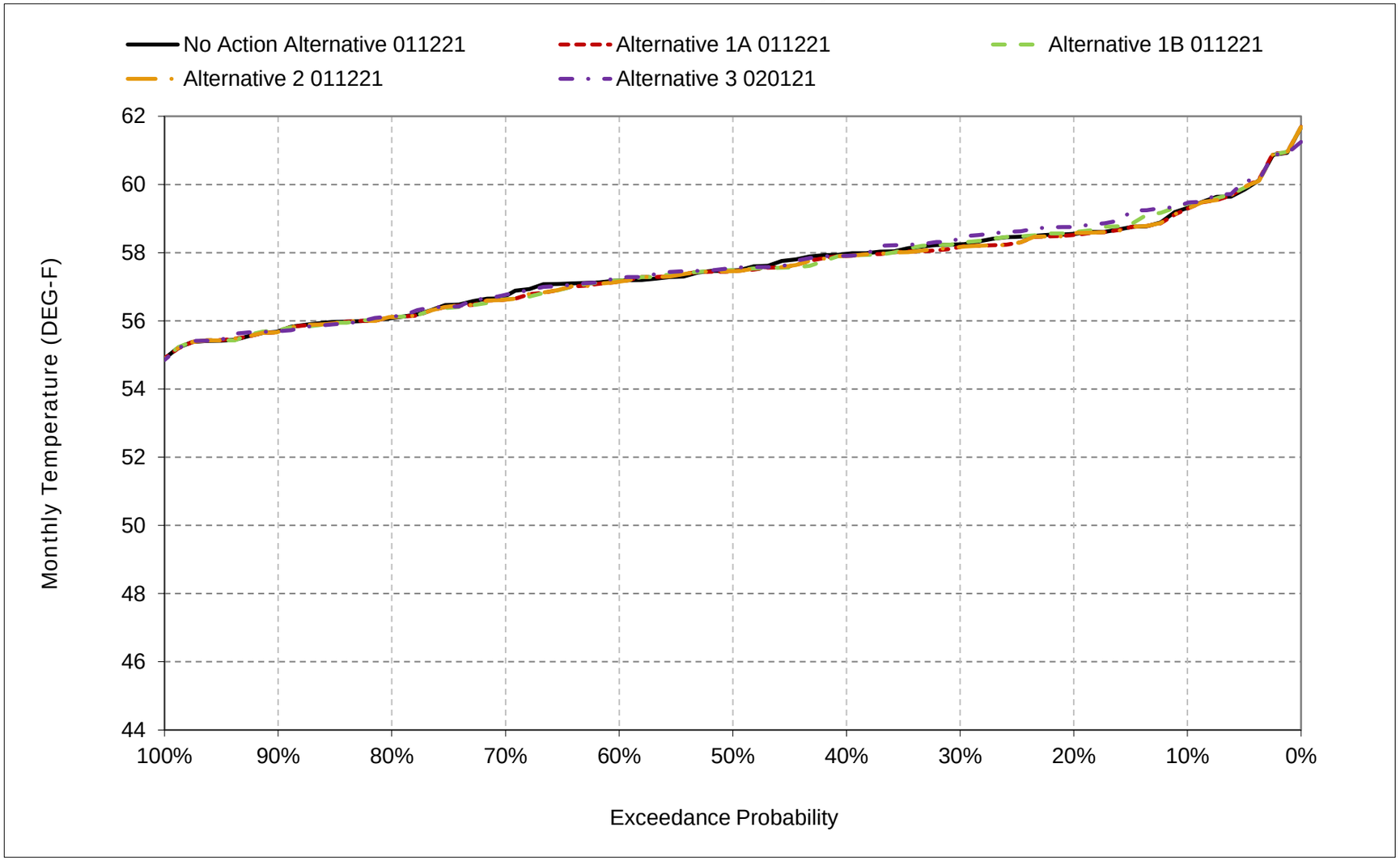
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-10-15. Sacramento River at Red Bluff, June



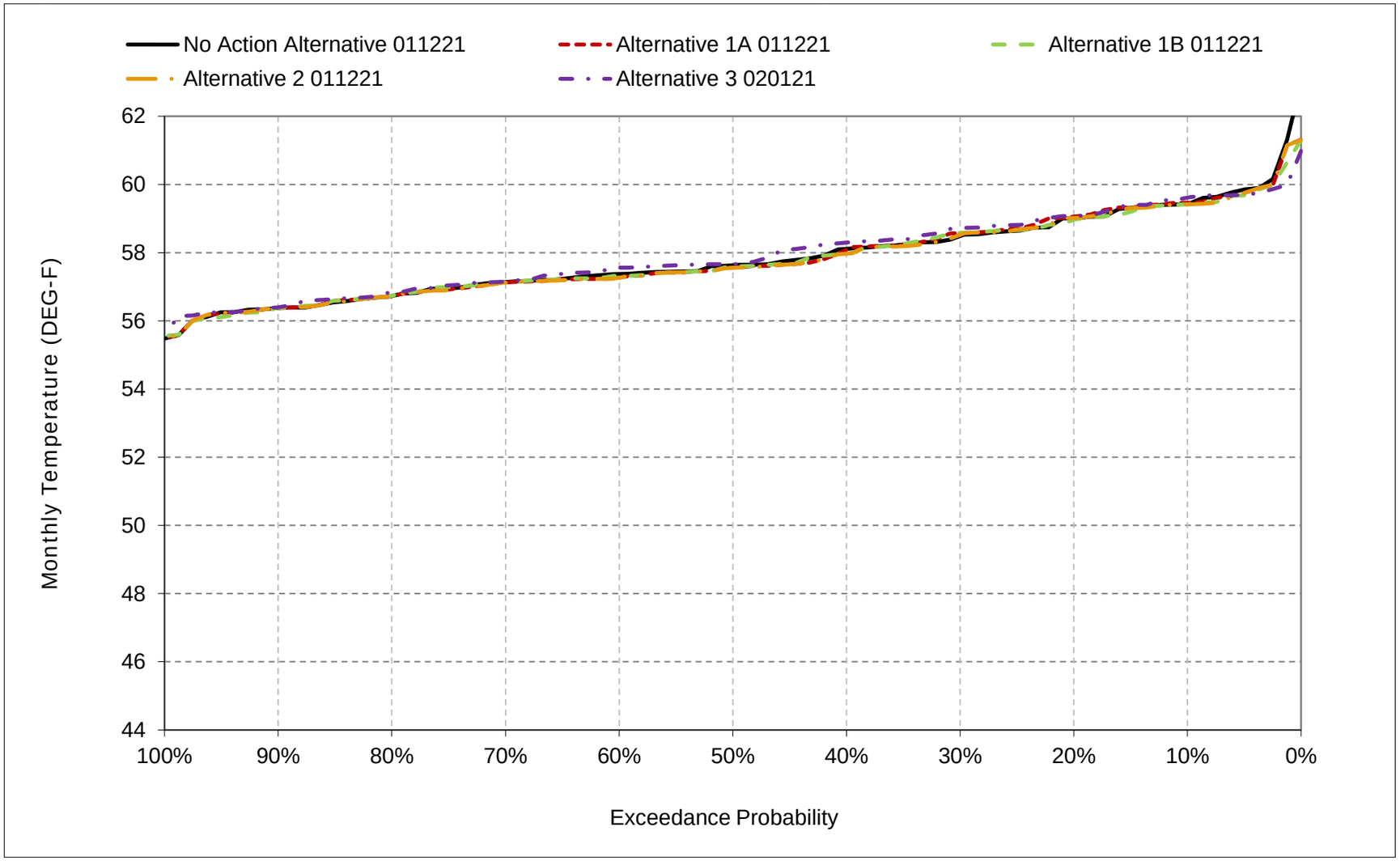
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-10-16. Sacramento River at Red Bluff, July



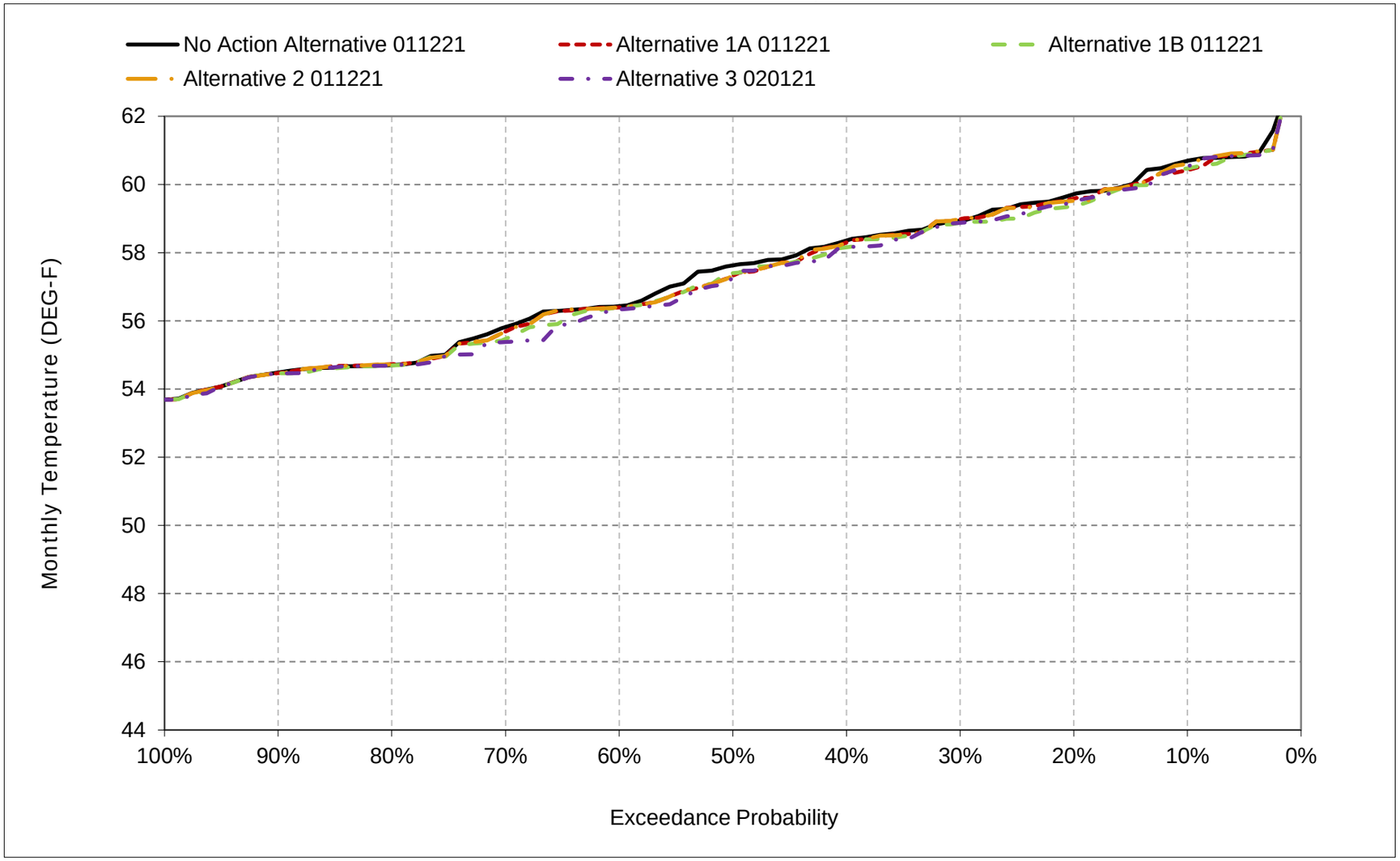
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-10-17. Sacramento River at Red Bluff, August



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

Figure 6C-10-18. Sacramento River at Red Bluff, September



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

Table 6C-11-1a. Sacramento River below Hamilton City, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	58.9	54.4	49.9	47.8	49.6	54.4	60.3	63.2	65.1	64.8	64.4	65.0
20%	58.1	53.9	49.2	47.2	49.0	53.5	59.4	62.6	64.5	63.8	63.9	63.8
30%	57.6	53.6	48.6	46.8	48.4	52.9	58.7	61.9	63.9	63.3	63.2	63.2
40%	57.0	52.9	48.3	46.4	48.0	52.2	58.2	61.6	63.4	62.9	62.7	62.5
50%	56.6	52.7	48.0	46.2	47.8	51.7	57.8	61.1	63.0	62.3	62.3	61.7
60%	56.4	52.4	47.8	46.0	47.3	51.3	57.4	60.8	62.4	61.9	61.9	60.5
70%	56.2	52.2	47.6	45.8	47.1	50.9	56.6	59.9	61.9	61.2	61.6	59.4
80%	55.9	51.9	47.3	45.6	46.5	49.8	55.4	59.4	61.2	60.4	61.0	58.0
90%	55.2	51.6	47.0	45.3	46.2	49.2	54.4	58.4	60.6	59.9	60.5	57.7
Long Term												
Full Simulation Period[a]	57.0	52.9	48.3	46.4	47.8	51.7	57.5	61.0	62.9	62.3	62.4	61.3
Water Year Types[b,c]												
Wet (32%)	55.9	53.1	48.7	46.1	46.9	50.2	55.5	60.1	63.6	62.5	61.7	58.5
Above Normal (15%)	56.6	52.4	48.1	46.3	47.1	50.8	57.1	61.0	63.0	61.0	61.7	59.6
Below Normal (17%)	56.7	52.5	48.1	46.1	47.5	52.2	58.2	61.4	62.0	61.4	62.3	62.1
Dry (22%)	57.4	52.7	48.0	46.4	48.6	52.8	58.9	61.5	61.8	62.1	62.9	63.4
Critical (15%)	59.4	53.6	48.1	47.1	49.7	53.7	59.4	61.6	64.0	64.6	64.2	65.2

Table 6C-11-1b. Sacramento River below Hamilton City, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	58.9	54.4	49.9	47.8	49.6	54.3	60.4	63.4	65.3	64.8	64.4	64.5
20%	58.0	53.9	49.1	47.2	49.1	53.5	59.3	62.9	64.6	63.7	63.9	63.7
30%	57.5	53.6	48.6	46.8	48.4	53.0	58.8	62.1	64.0	63.1	63.3	63.0
40%	57.0	52.9	48.3	46.4	48.0	52.3	58.5	61.7	63.5	62.8	62.6	62.5
50%	56.7	52.6	48.0	46.2	47.8	52.0	57.9	61.3	63.1	62.2	62.1	61.0
60%	56.3	52.4	47.8	46.0	47.4	51.4	57.4	60.9	62.6	61.8	61.8	60.2
70%	56.2	52.1	47.6	45.8	47.1	51.0	56.6	60.3	62.1	61.1	61.5	59.2
80%	55.8	51.9	47.3	45.6	46.5	49.8	55.5	59.7	61.2	60.3	61.0	58.1
90%	55.2	51.6	47.1	45.3	46.2	49.2	54.4	58.4	60.7	59.9	60.5	57.7
Long Term												
Full Simulation Period[a]	56.9	52.9	48.3	46.4	47.8	51.8	57.5	61.1	63.0	62.2	62.4	61.2
Water Year Types[b,c]												
Wet (32%)	55.9	53.1	48.7	46.1	46.9	50.2	55.6	60.1	63.7	62.5	61.8	58.5
Above Normal (15%)	56.6	52.4	48.1	46.3	47.2	50.9	57.1	61.1	63.1	61.0	61.7	59.5
Below Normal (17%)	56.7	52.5	48.1	46.1	47.6	52.3	58.2	61.5	62.1	61.3	62.3	62.0
Dry (22%)	57.4	52.7	48.0	46.4	48.6	52.9	59.0	61.7	62.0	61.9	62.7	63.1
Critical (15%)	59.2	53.5	48.0	47.1	49.7	53.7	59.3	62.1	64.1	64.5	64.2	64.9

Table 6C-11-1c. Sacramento River below Hamilton City, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0	-0.5
20%	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	0.1	-0.2	0.1	-0.1
30%	-0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.0	-0.2	0.0	-0.2
40%	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.1	-0.1	-0.1	0.0
50%	0.0	-0.1	0.0	0.0	0.0	0.2	0.1	0.2	0.1	-0.1	-0.2	-0.8
60%	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.2	-0.1	-0.1	-0.2
70%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.2	-0.1	-0.1	-0.2
80%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.1	0.0	0.1
90%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	-0.1	-0.1	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	-0.1	0.0	-0.1
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.2	-0.2	-0.3	-0.3
Critical (15%)	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.1	-0.1	0.0	-0.3

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-11-2a. Sacramento River below Hamilton City, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	58.9	54.4	49.9	47.8	49.6	54.4	60.3	63.2	65.1	64.8	64.4	65.0
20%	58.1	53.9	49.2	47.2	49.0	53.5	59.4	62.6	64.5	63.8	63.9	63.8
30%	57.6	53.6	48.6	46.8	48.4	52.9	58.7	61.9	63.9	63.3	63.2	63.2
40%	57.0	52.9	48.3	46.4	48.0	52.2	58.2	61.6	63.4	62.9	62.7	62.5
50%	56.6	52.7	48.0	46.2	47.8	51.7	57.8	61.1	63.0	62.3	62.3	61.7
60%	56.4	52.4	47.8	46.0	47.3	51.3	57.4	60.8	62.4	61.9	61.9	60.5
70%	56.2	52.2	47.6	45.8	47.1	50.9	56.6	59.9	61.9	61.2	61.6	59.4
80%	55.9	51.9	47.3	45.6	46.5	49.8	55.4	59.4	61.2	60.4	61.0	58.0
90%	55.2	51.6	47.0	45.3	46.2	49.2	54.4	58.4	60.6	59.9	60.5	57.7
Long Term												
Full Simulation Period[a]	57.0	52.9	48.3	46.4	47.8	51.7	57.5	61.0	62.9	62.3	62.4	61.3
Water Year Types[b,c]												
Wet (32%)	55.9	53.1	48.7	46.1	46.9	50.2	55.5	60.1	63.6	62.5	61.7	58.5
Above Normal (15%)	56.6	52.4	48.1	46.3	47.1	50.8	57.1	61.0	63.0	61.0	61.7	59.6
Below Normal (17%)	56.7	52.5	48.1	46.1	47.5	52.2	58.2	61.4	62.0	61.4	62.3	62.1
Dry (22%)	57.4	52.7	48.0	46.4	48.6	52.8	58.9	61.5	61.8	62.1	62.9	63.4
Critical (15%)	59.4	53.6	48.1	47.1	49.7	53.7	59.4	61.6	64.0	64.6	64.2	65.2

Table 6C-11-2b. Sacramento River below Hamilton City, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	58.8	54.4	49.9	47.8	49.6	54.4	60.4	63.4	65.5	64.9	64.2	64.6
20%	58.0	53.9	49.1	47.2	49.1	53.5	59.3	63.0	64.7	63.8	63.8	63.6
30%	57.4	53.6	48.6	46.8	48.4	53.0	58.8	62.3	64.0	63.5	63.3	63.0
40%	57.0	52.9	48.3	46.4	48.0	52.3	58.5	61.7	63.6	62.8	62.5	62.2
50%	56.7	52.6	48.1	46.2	47.8	52.0	58.0	61.2	63.1	62.2	62.1	61.1
60%	56.4	52.4	47.9	46.0	47.4	51.4	57.4	60.9	62.6	61.9	61.8	60.1
70%	56.1	52.2	47.6	45.8	47.1	51.0	56.6	60.3	62.1	61.1	61.6	59.1
80%	55.8	51.9	47.3	45.6	46.4	49.8	55.5	59.7	61.6	60.3	61.1	58.0
90%	55.2	51.7	47.1	45.3	46.2	49.2	54.4	58.4	60.7	59.9	60.5	57.7
Long Term												
Full Simulation Period[a]	56.9	52.9	48.3	46.4	47.8	51.8	57.5	61.2	63.1	62.3	62.4	61.1
Water Year Types[b,c]												
Wet (32%)	55.9	53.1	48.7	46.1	46.9	50.2	55.6	60.1	63.7	62.5	61.8	58.5
Above Normal (15%)	56.5	52.4	48.2	46.3	47.1	50.9	57.0	61.1	63.5	61.3	61.7	59.2
Below Normal (17%)	56.7	52.5	48.0	46.1	47.6	52.3	58.2	61.7	62.2	61.4	62.3	61.9
Dry (22%)	57.4	52.7	48.0	46.4	48.6	52.9	59.0	61.7	61.9	61.8	62.7	63.1
Critical (15%)	59.2	53.6	48.1	47.1	49.7	53.7	59.3	62.1	64.1	64.5	64.0	64.8

Table 6C-11-2c. Sacramento River below Hamilton City, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.1	-0.1	-0.4
20%	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0	-0.3
30%	-0.2	0.0	0.0	0.0	0.0	0.2	0.1	0.4	0.1	0.1	0.0	-0.2
40%	-0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	-0.1	-0.2	-0.2
50%	0.0	-0.1	0.1	0.0	0.0	0.2	0.2	0.1	0.1	-0.1	-0.1	-0.6
60%	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.2	0.0	-0.1	-0.4
70%	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.2	0.0	0.0	-0.3
80%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	-0.1	0.1	-0.1
90%	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.2	0.0	-0.1	-0.2
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Above Normal (15%)	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.5	0.2	0.0	-0.4
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.2	0.0	0.0	-0.2
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	-0.2	-0.2	-0.3
Critical (15%)	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	-0.1	-0.2	-0.4

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-11-3a. Sacramento River below Hamilton City, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	58.9	54.4	49.9	47.8	49.6	54.4	60.3	63.2	65.1	64.8	64.4	65.0
20%	58.1	53.9	49.2	47.2	49.0	53.5	59.4	62.6	64.5	63.8	63.9	63.8
30%	57.6	53.6	48.6	46.8	48.4	52.9	58.7	61.9	63.9	63.3	63.2	63.2
40%	57.0	52.9	48.3	46.4	48.0	52.2	58.2	61.6	63.4	62.9	62.7	62.5
50%	56.6	52.7	48.0	46.2	47.8	51.7	57.8	61.1	63.0	62.3	62.3	61.7
60%	56.4	52.4	47.8	46.0	47.3	51.3	57.4	60.8	62.4	61.9	61.9	60.5
70%	56.2	52.2	47.6	45.8	47.1	50.9	56.6	59.9	61.9	61.2	61.6	59.4
80%	55.9	51.9	47.3	45.6	46.5	49.8	55.4	59.4	61.2	60.4	61.0	58.0
90%	55.2	51.6	47.0	45.3	46.2	49.2	54.4	58.4	60.6	59.9	60.5	57.7
Long Term												
Full Simulation Period[a]	57.0	52.9	48.3	46.4	47.8	51.7	57.5	61.0	62.9	62.3	62.4	61.3
Water Year Types[b,c]												
Wet (32%)	55.9	53.1	48.7	46.1	46.9	50.2	55.5	60.1	63.6	62.5	61.7	58.5
Above Normal (15%)	56.6	52.4	48.1	46.3	47.1	50.8	57.1	61.0	63.0	61.0	61.7	59.6
Below Normal (17%)	56.7	52.5	48.1	46.1	47.5	52.2	58.2	61.4	62.0	61.4	62.3	62.1
Dry (22%)	57.4	52.7	48.0	46.4	48.6	52.8	58.9	61.5	61.8	62.1	62.9	63.4
Critical (15%)	59.4	53.6	48.1	47.1	49.7	53.7	59.4	61.6	64.0	64.6	64.2	65.2

Table 6C-11-3b. Sacramento River below Hamilton City, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	58.9	54.4	49.9	47.8	49.6	54.3	60.4	63.4	65.3	64.8	64.4	64.8
20%	58.0	53.9	49.1	47.2	49.1	53.5	59.3	62.9	64.6	63.7	63.8	63.7
30%	57.5	53.6	48.6	46.8	48.4	53.0	58.8	62.2	63.9	63.1	63.2	63.0
40%	57.0	52.9	48.3	46.4	48.0	52.3	58.5	61.7	63.5	62.9	62.5	62.4
50%	56.7	52.6	48.1	46.2	47.8	52.0	57.9	61.3	63.1	62.2	62.1	61.0
60%	56.3	52.4	47.8	46.0	47.4	51.4	57.4	60.9	62.6	61.8	61.8	60.2
70%	56.2	52.1	47.6	45.8	47.1	51.0	56.6	60.3	62.1	61.1	61.5	59.2
80%	55.8	51.9	47.3	45.6	46.5	49.8	55.5	59.7	61.2	60.3	61.0	58.1
90%	55.2	51.6	47.1	45.3	46.2	49.3	54.5	58.4	60.7	59.9	60.5	57.7
Long Term												
Full Simulation Period[a]	57.0	52.9	48.3	46.4	47.8	51.8	57.5	61.1	63.0	62.2	62.4	61.2
Water Year Types[b,c]												
Wet (32%)	55.9	53.1	48.7	46.1	46.9	50.2	55.6	60.1	63.7	62.5	61.7	58.5
Above Normal (15%)	56.6	52.4	48.1	46.3	47.2	50.9	57.1	61.1	63.1	61.0	61.7	59.5
Below Normal (17%)	56.7	52.5	48.1	46.1	47.6	52.3	58.2	61.5	62.1	61.3	62.2	62.0
Dry (22%)	57.4	52.7	48.0	46.4	48.6	52.9	59.0	61.7	62.0	61.9	62.7	63.1
Critical (15%)	59.3	53.6	48.1	47.1	49.7	53.7	59.3	62.1	64.1	64.5	64.0	64.9

Table 6C-11-3c. Sacramento River below Hamilton City, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	-0.2
20%	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	0.2	0.1	-0.1	0.0	-0.1
30%	-0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.3	0.0	-0.2	0.0	-0.2
40%	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	-0.1	-0.2	0.0
50%	0.0	-0.1	0.0	0.0	0.0	0.2	0.1	0.2	0.1	-0.1	-0.2	-0.8
60%	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.2	-0.1	-0.1	-0.2
70%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.2	-0.1	-0.1	-0.2
80%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	-0.1	0.0	0.1
90%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	-0.1	-0.1	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	-0.1	0.0	-0.1
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.2	-0.2	-0.3	-0.3
Critical (15%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	-0.1	-0.2	-0.3

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-11-4a. Sacramento River below Hamilton City, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	58.9	54.4	49.9	47.8	49.6	54.4	60.3	63.2	65.1	64.8	64.4	65.0
20%	58.1	53.9	49.2	47.2	49.0	53.5	59.4	62.6	64.5	63.8	63.9	63.8
30%	57.6	53.6	48.6	46.8	48.4	52.9	58.7	61.9	63.9	63.3	63.2	63.2
40%	57.0	52.9	48.3	46.4	48.0	52.2	58.2	61.6	63.4	62.9	62.7	62.5
50%	56.6	52.7	48.0	46.2	47.8	51.7	57.8	61.1	63.0	62.3	62.3	61.7
60%	56.4	52.4	47.8	46.0	47.3	51.3	57.4	60.8	62.4	61.9	61.9	60.5
70%	56.2	52.2	47.6	45.8	47.1	50.9	56.6	59.9	61.9	61.2	61.6	59.4
80%	55.9	51.9	47.3	45.6	46.5	49.8	55.4	59.4	61.2	60.4	61.0	58.0
90%	55.2	51.6	47.0	45.3	46.2	49.2	54.4	58.4	60.6	59.9	60.5	57.7
Long Term												
Full Simulation Period[a]	57.0	52.9	48.3	46.4	47.8	51.7	57.5	61.0	62.9	62.3	62.4	61.3
Water Year Types[b,c]												
Wet (32%)	55.9	53.1	48.7	46.1	46.9	50.2	55.5	60.1	63.6	62.5	61.7	58.5
Above Normal (15%)	56.6	52.4	48.1	46.3	47.1	50.8	57.1	61.0	63.0	61.0	61.7	59.6
Below Normal (17%)	56.7	52.5	48.1	46.1	47.5	52.2	58.2	61.4	62.0	61.4	62.3	62.1
Dry (22%)	57.4	52.7	48.0	46.4	48.6	52.8	58.9	61.5	61.8	62.1	62.9	63.4
Critical (15%)	59.4	53.6	48.1	47.1	49.7	53.7	59.4	61.6	64.0	64.6	64.2	65.2

Table 6C-11-4b. Sacramento River below Hamilton City, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	58.6	54.4	49.9	47.8	49.6	54.4	60.4	63.3	65.7	64.8	64.5	64.6
20%	57.9	53.9	49.1	47.2	49.1	53.5	59.4	62.9	64.6	64.0	63.9	63.6
30%	57.4	53.6	48.6	46.8	48.4	53.0	58.8	62.4	64.0	63.5	63.3	63.0
40%	56.9	53.0	48.3	46.4	48.0	52.3	58.5	61.7	63.6	62.9	62.9	62.3
50%	56.6	52.6	48.1	46.2	47.8	52.0	58.0	61.4	63.2	62.3	62.3	61.2
60%	56.3	52.4	47.9	46.0	47.4	51.5	57.4	61.1	62.7	61.9	62.0	59.9
70%	56.0	52.1	47.7	45.8	47.1	51.0	56.6	60.3	62.3	61.1	61.7	58.9
80%	55.6	51.9	47.5	45.6	46.4	49.8	55.5	59.7	61.8	60.4	61.2	58.1
90%	55.2	51.6	47.0	45.3	46.1	49.2	54.4	58.4	61.1	59.8	60.6	57.7
Long Term												
Full Simulation Period[a]	56.8	52.9	48.3	46.3	47.8	51.8	57.6	61.2	63.2	62.3	62.5	61.1
Water Year Types[b,c]												
Wet (32%)	55.9	53.1	48.7	46.1	46.9	50.2	55.6	60.1	63.7	62.5	61.8	58.5
Above Normal (15%)	56.3	52.3	48.2	46.3	47.1	50.9	57.1	61.1	63.8	61.4	62.3	58.8
Below Normal (17%)	56.5	52.5	48.1	46.1	47.6	52.3	58.2	61.7	62.6	61.4	62.3	61.8
Dry (22%)	57.3	52.7	48.1	46.4	48.6	52.9	59.0	61.8	62.0	62.0	62.9	63.2
Critical (15%)	59.1	53.6	48.1	47.1	49.7	53.7	59.4	62.1	63.9	64.5	64.0	64.8

Table 6C-11-4c. Sacramento River below Hamilton City, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.0	0.1	-0.4
20%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.2	0.0	-0.2
30%	-0.2	0.0	0.0	-0.1	0.0	0.2	0.1	0.4	0.1	0.2	0.1	-0.2
40%	-0.2	0.0	0.0	0.0	0.0	0.1	0.3	0.2	0.2	-0.1	0.2	-0.2
50%	0.0	-0.1	0.1	0.0	0.0	0.3	0.2	0.3	0.2	0.0	0.0	-0.6
60%	-0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.3	0.3	0.0	0.1	-0.6
70%	-0.2	-0.1	0.1	0.0	0.0	0.1	0.0	0.3	0.4	0.0	0.1	-0.5
80%	-0.3	0.0	0.2	0.0	0.0	0.0	0.1	0.3	0.6	0.0	0.2	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.5	-0.2	0.1	0.0
Long Term												
Full Simulation Period[a]	-0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.3	0.0	0.1	-0.3
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Above Normal (15%)	-0.4	-0.1	0.0	0.0	0.0	0.1	0.0	0.1	0.7	0.4	0.7	-0.8
Below Normal (17%)	-0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.7	0.0	0.1	-0.3
Dry (22%)	-0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.3	0.2	-0.1	0.0	-0.2
Critical (15%)	-0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.5	-0.1	-0.1	-0.3	-0.4

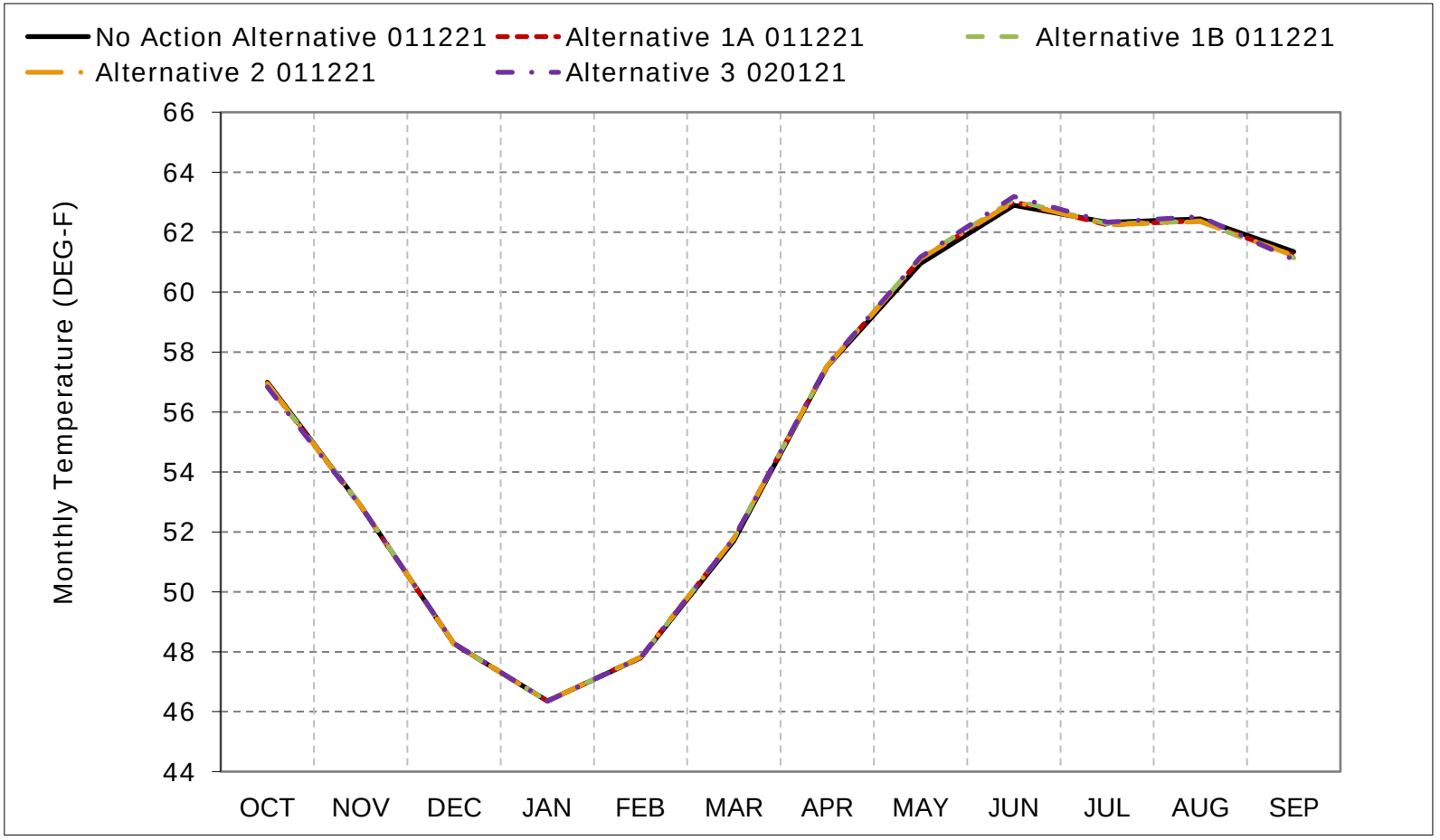
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

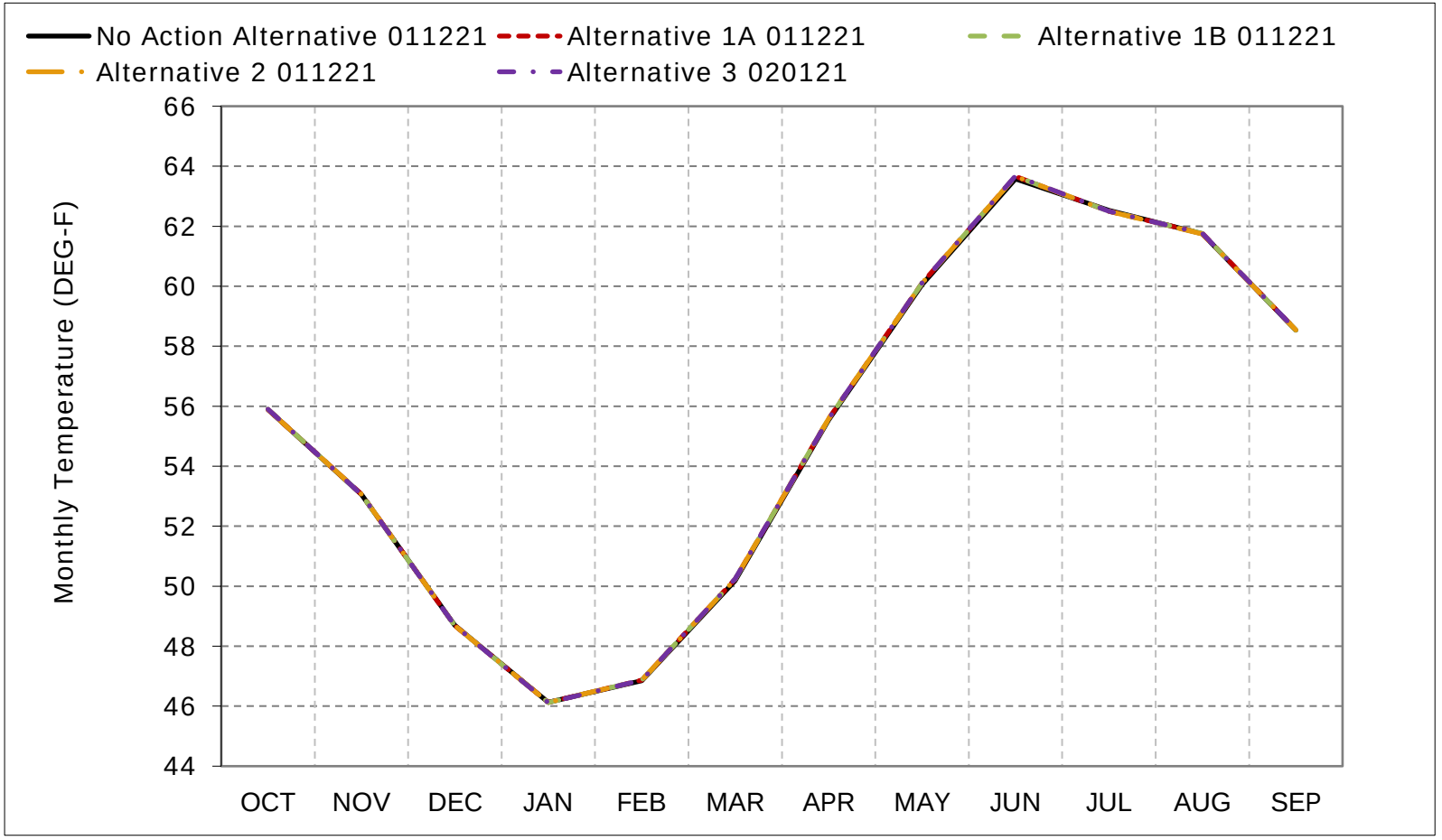
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-11-1. Sacramento River below Hamilton City, Long-Term Average Temperat



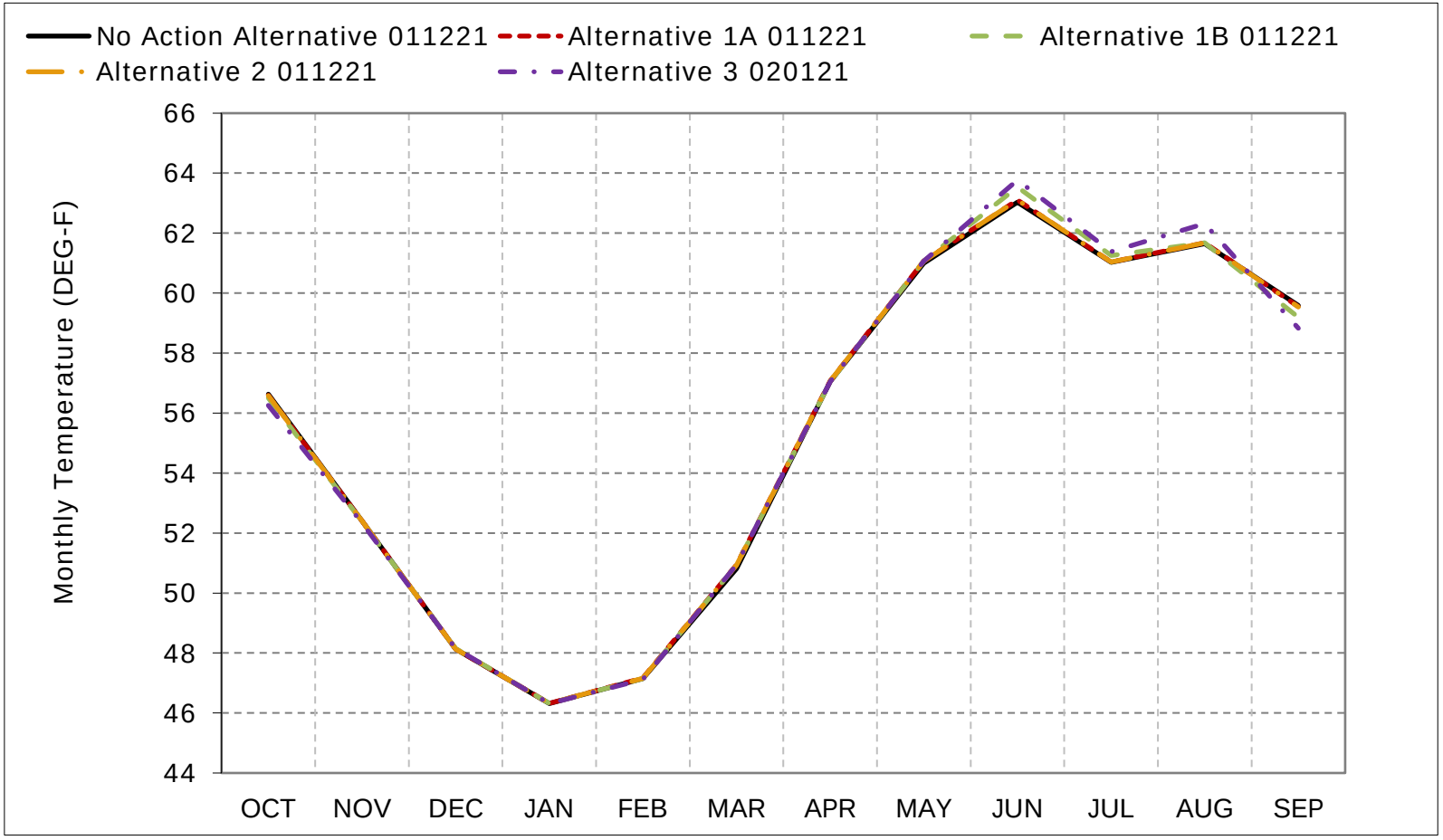
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-11-2. Sacramento River below Hamilton City, Wet Year Average Temperature



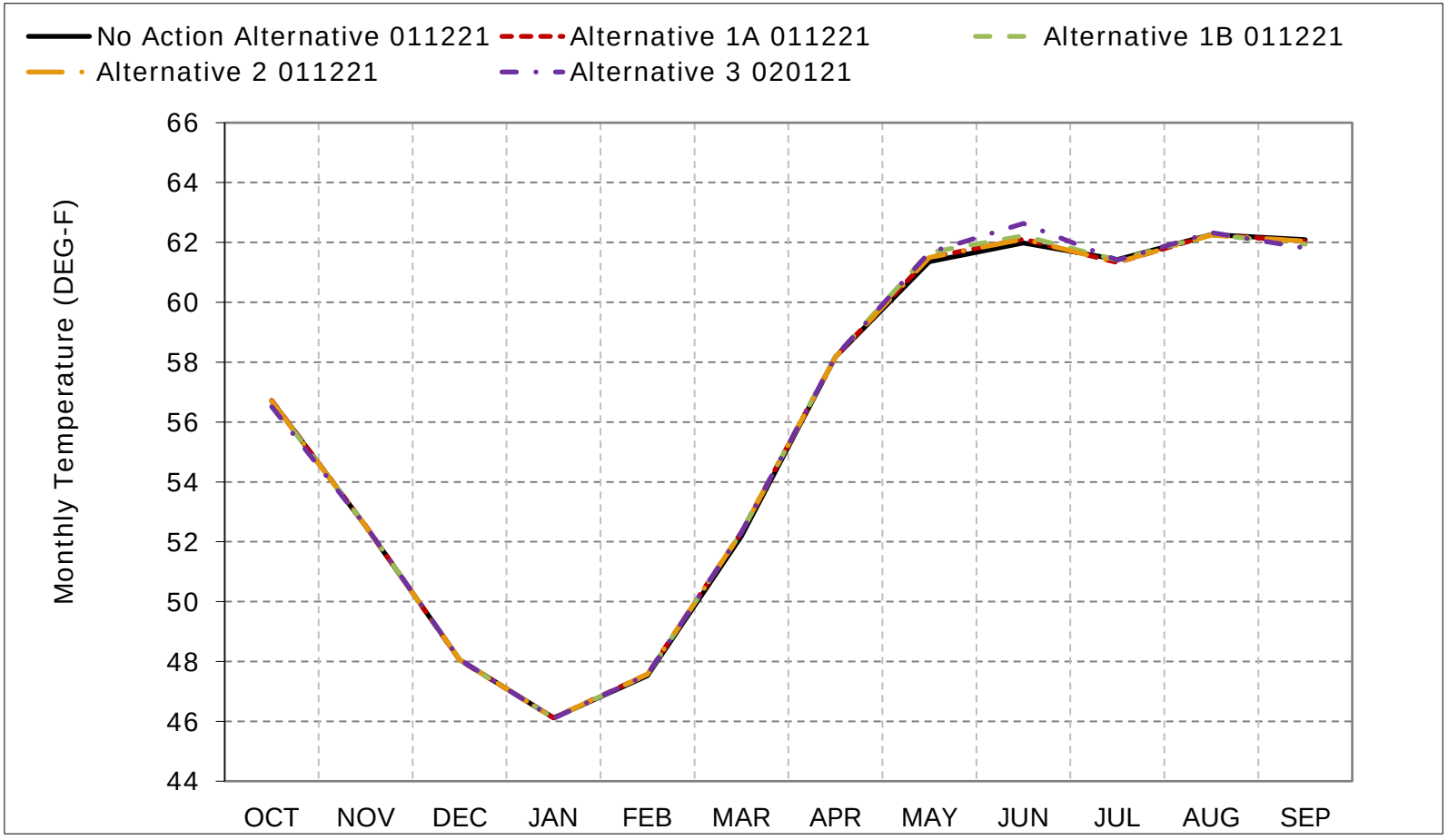
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-11-3. Sacramento River below Hamilton City, Above Normal Year Average Temper



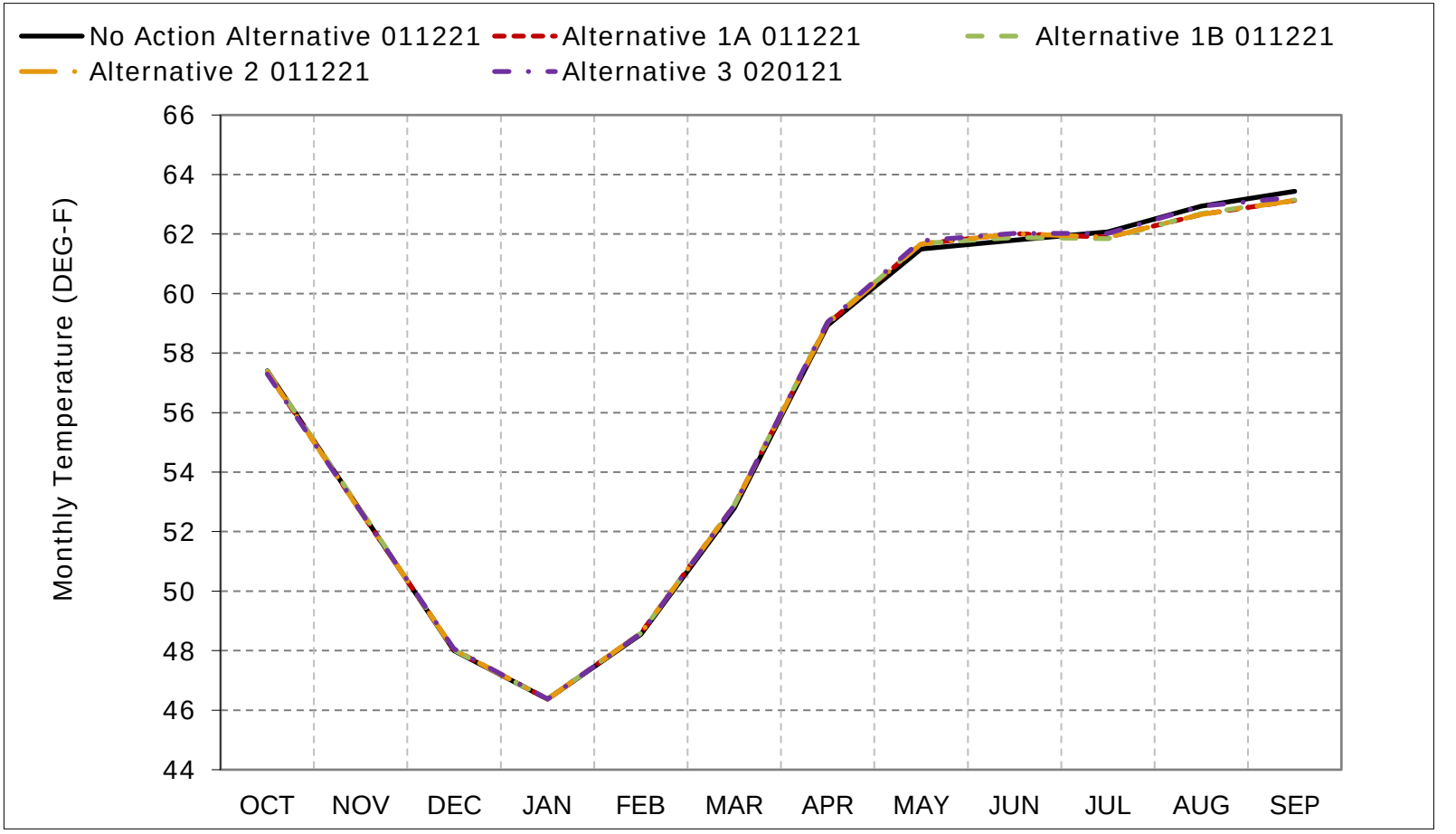
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-11-4. Sacramento River below Hamilton City, Below Normal Year Average Temper



*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-11-5. Sacramento River below Hamilton City, Dry Year Average Temperature

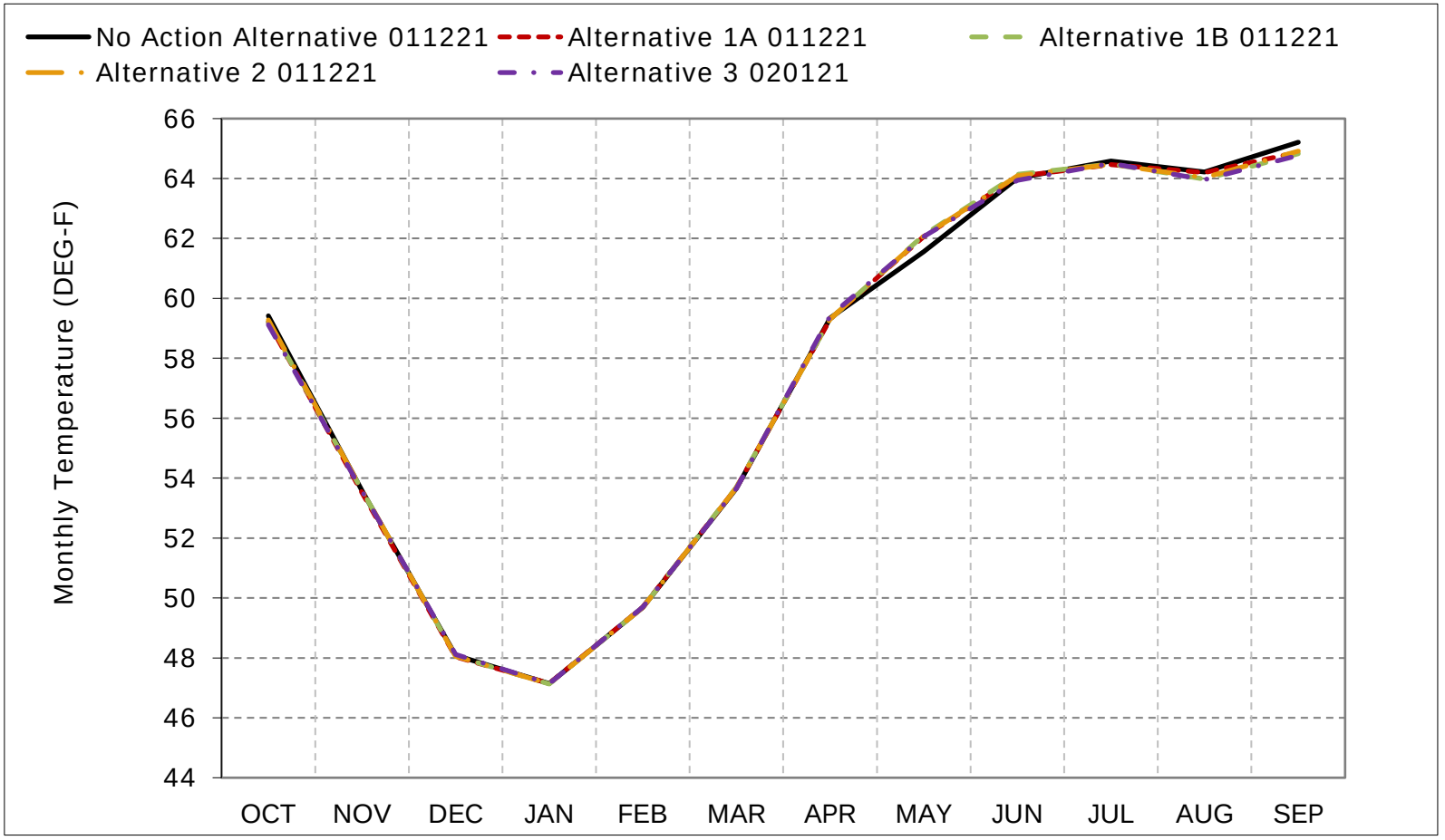


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

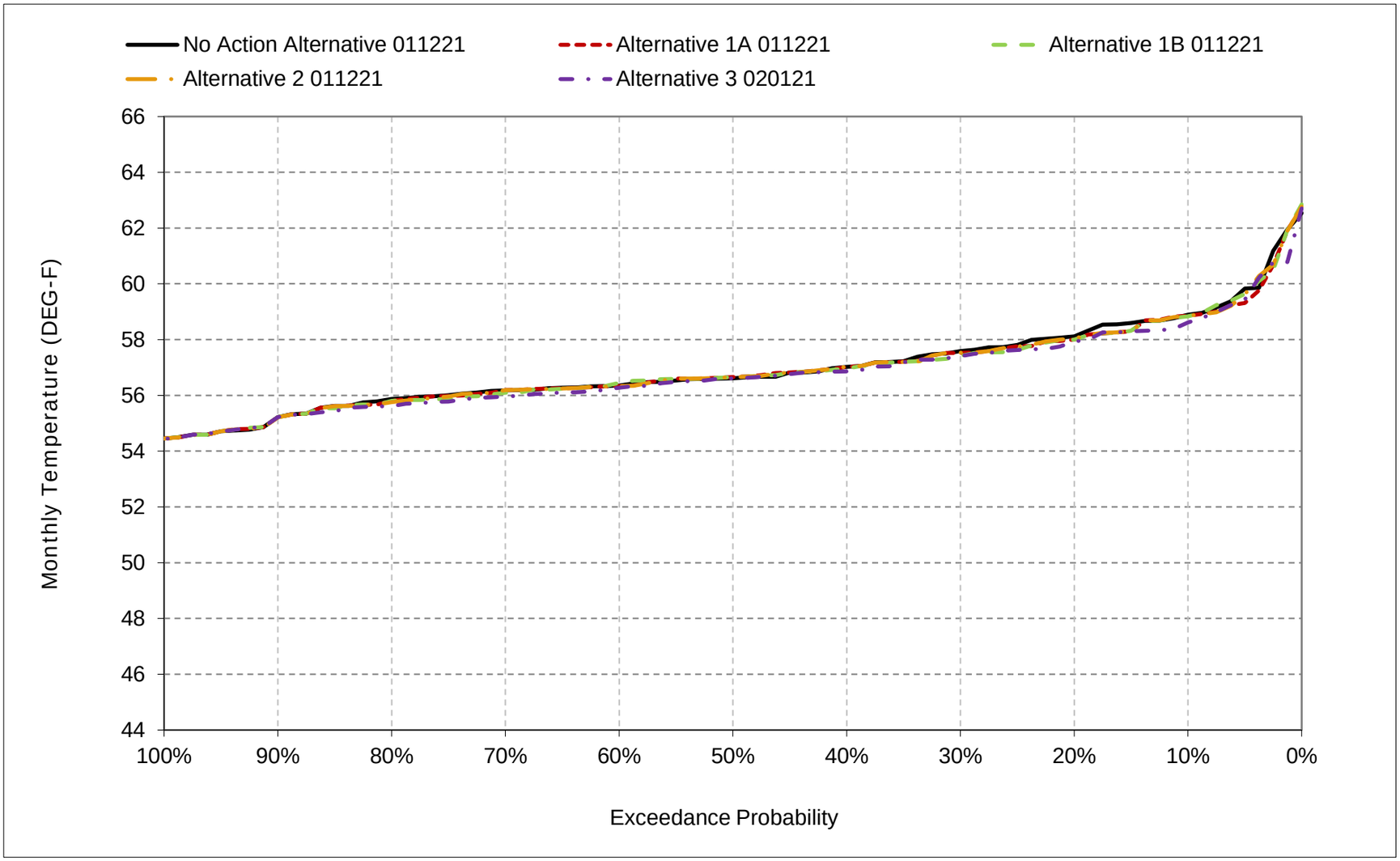
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-11-6. Sacramento River below Hamilton City, Critical Year Average Temperat



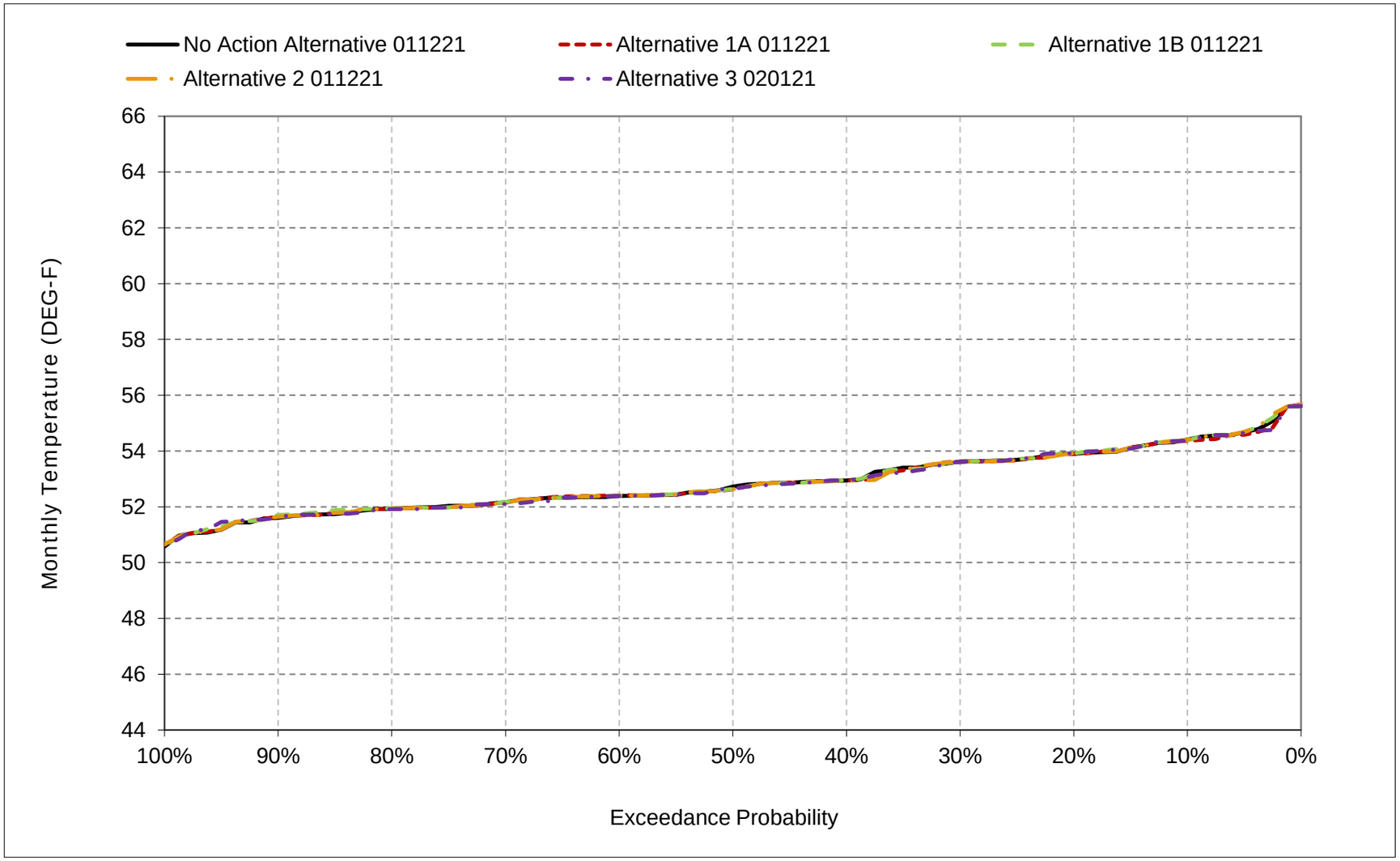
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-11-7. Sacramento River below Hamilton City, October



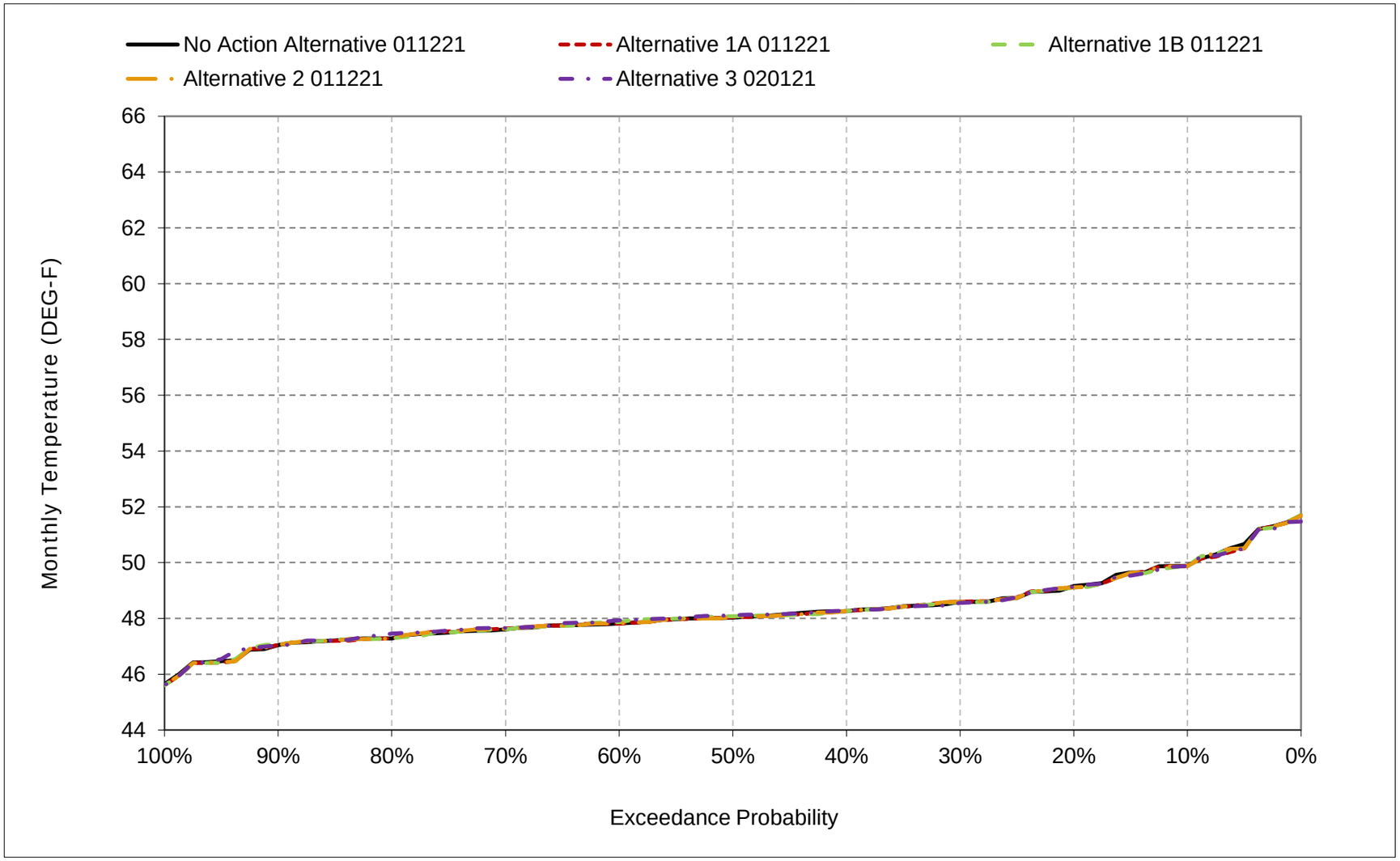
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-11-8. Sacramento River below Hamilton City, November



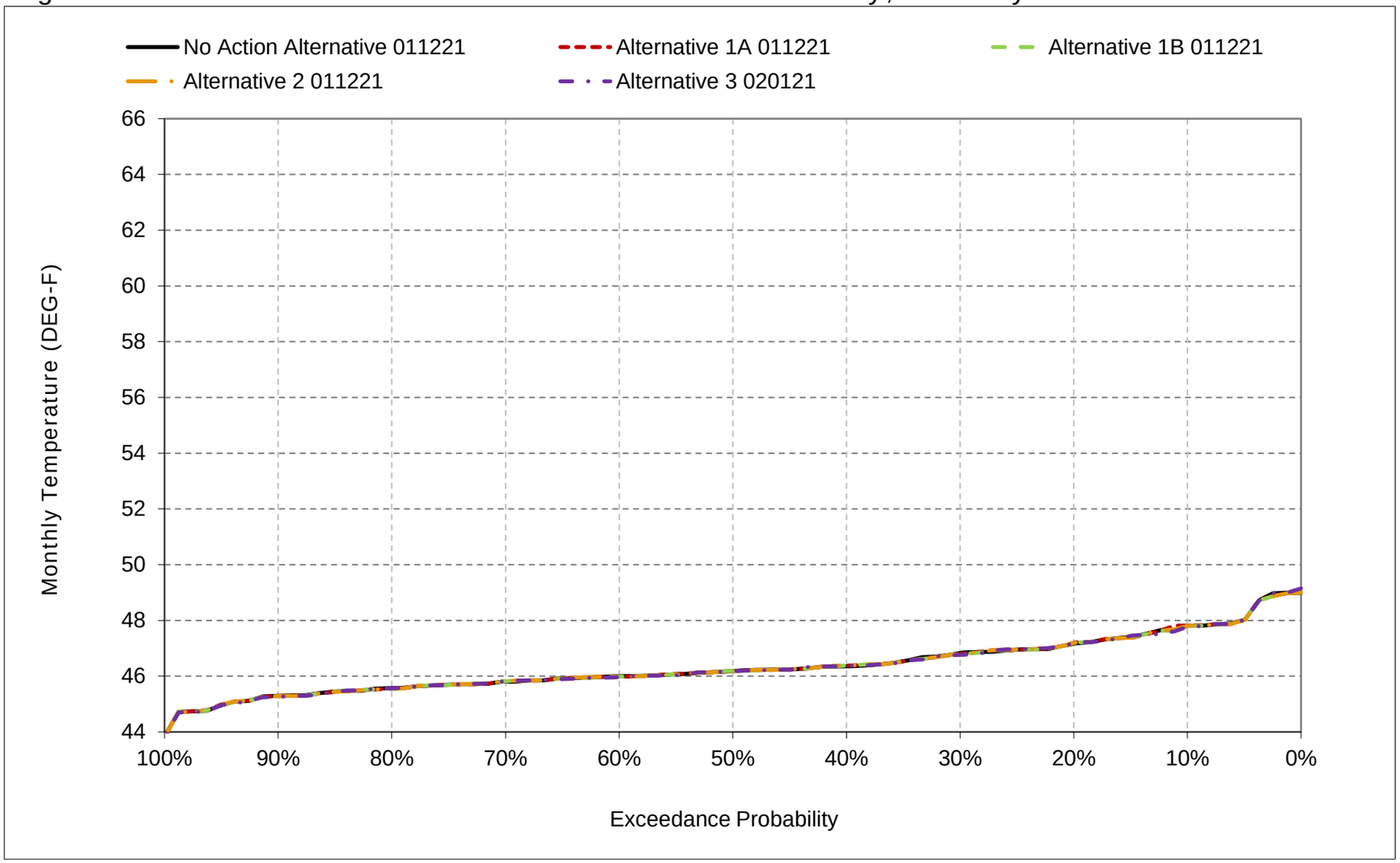
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-11-9. Sacramento River below Hamilton City, December



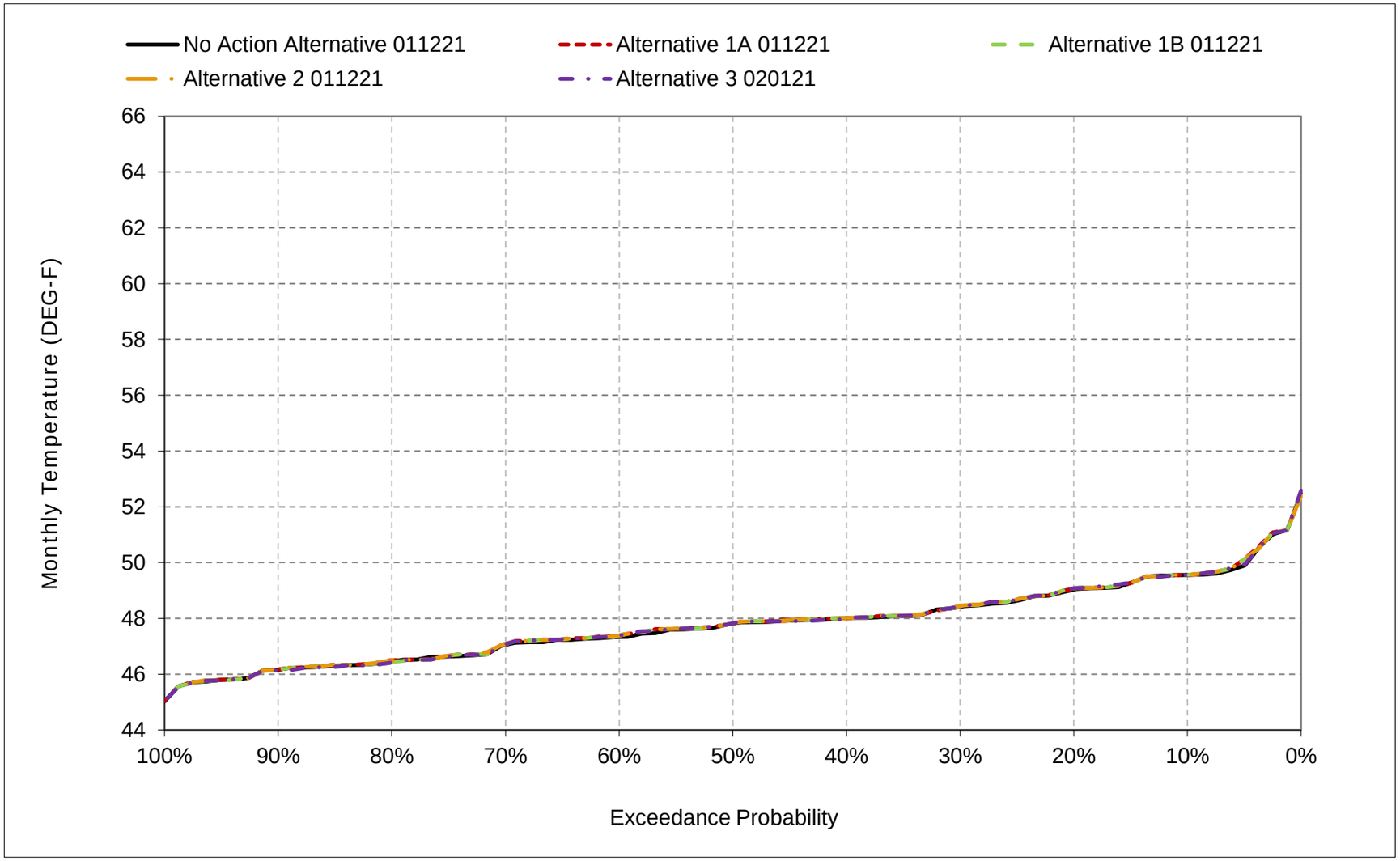
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-11-10. Sacramento River below Hamilton City, January



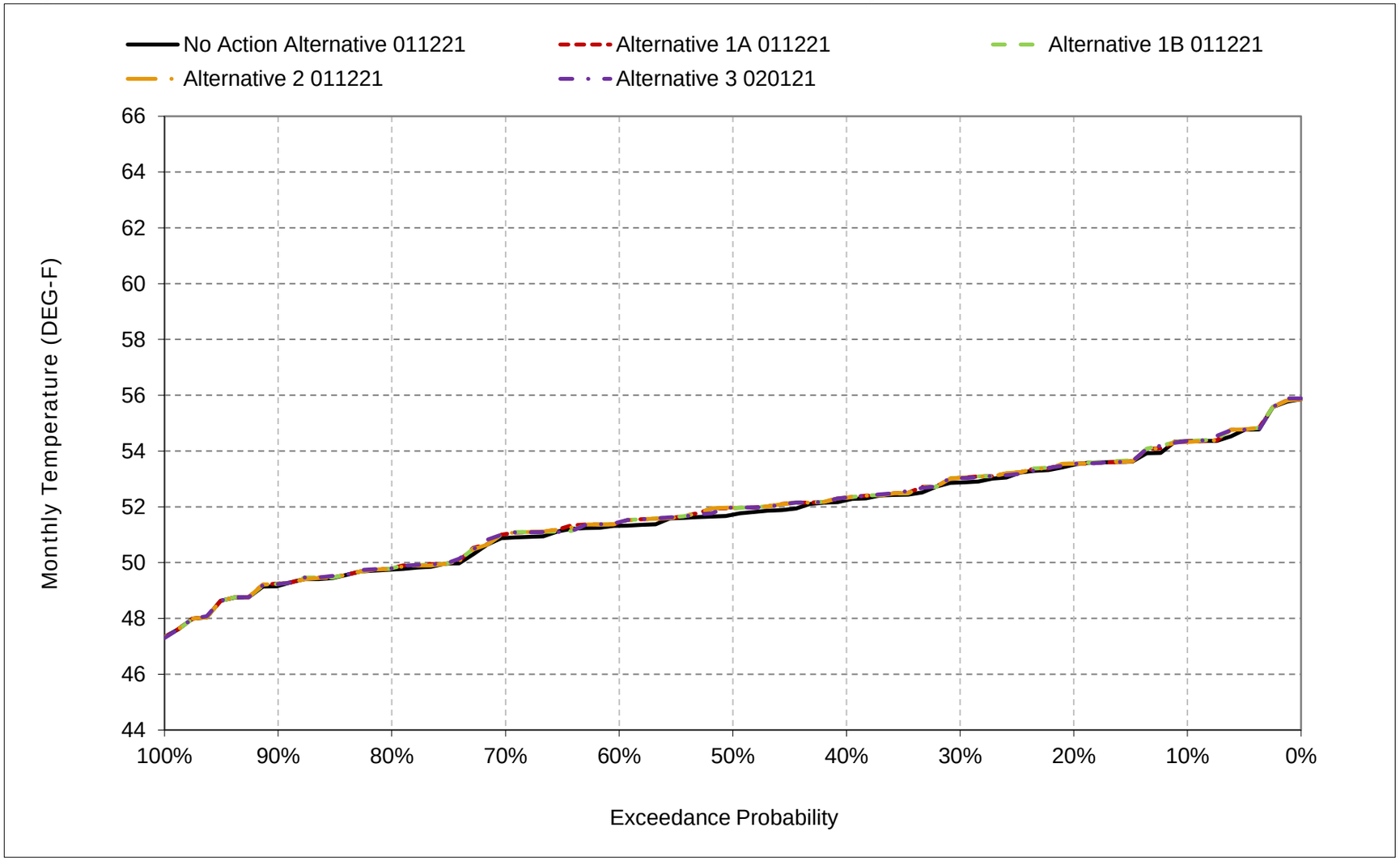
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-11-11. Sacramento River below Hamilton City, February



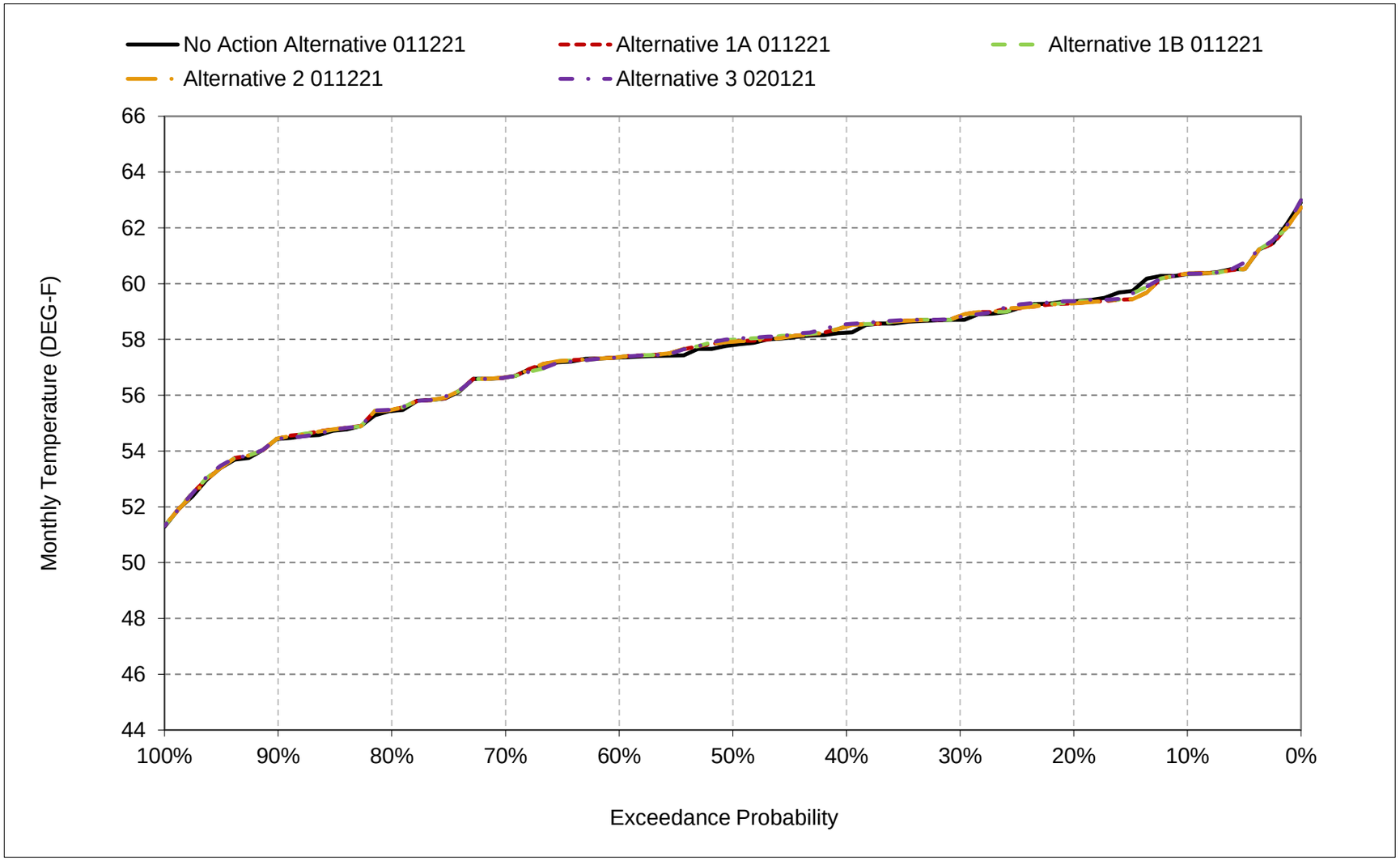
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-11-12. Sacramento River below Hamilton City, March



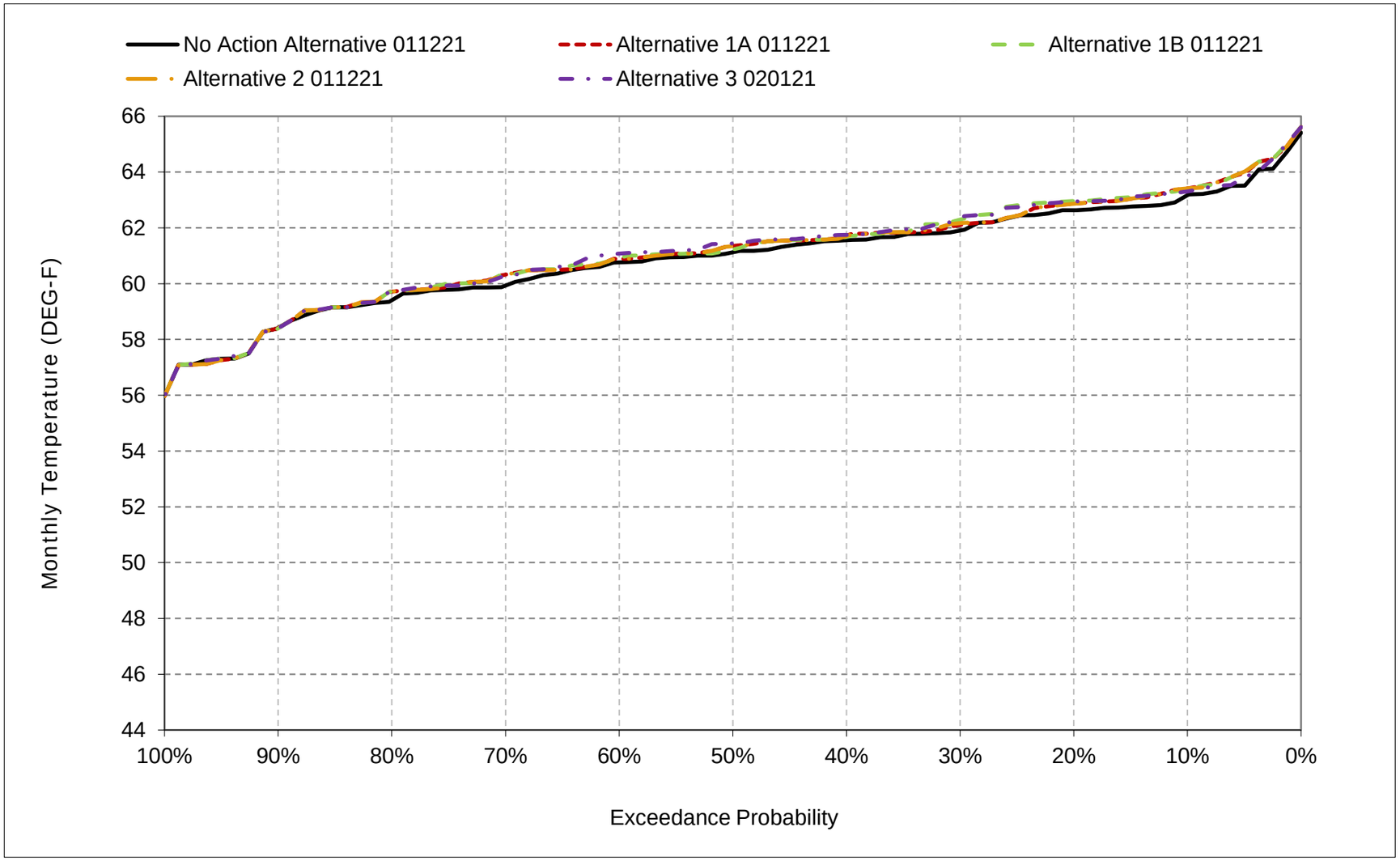
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-11-13. Sacramento River below Hamilton City, April



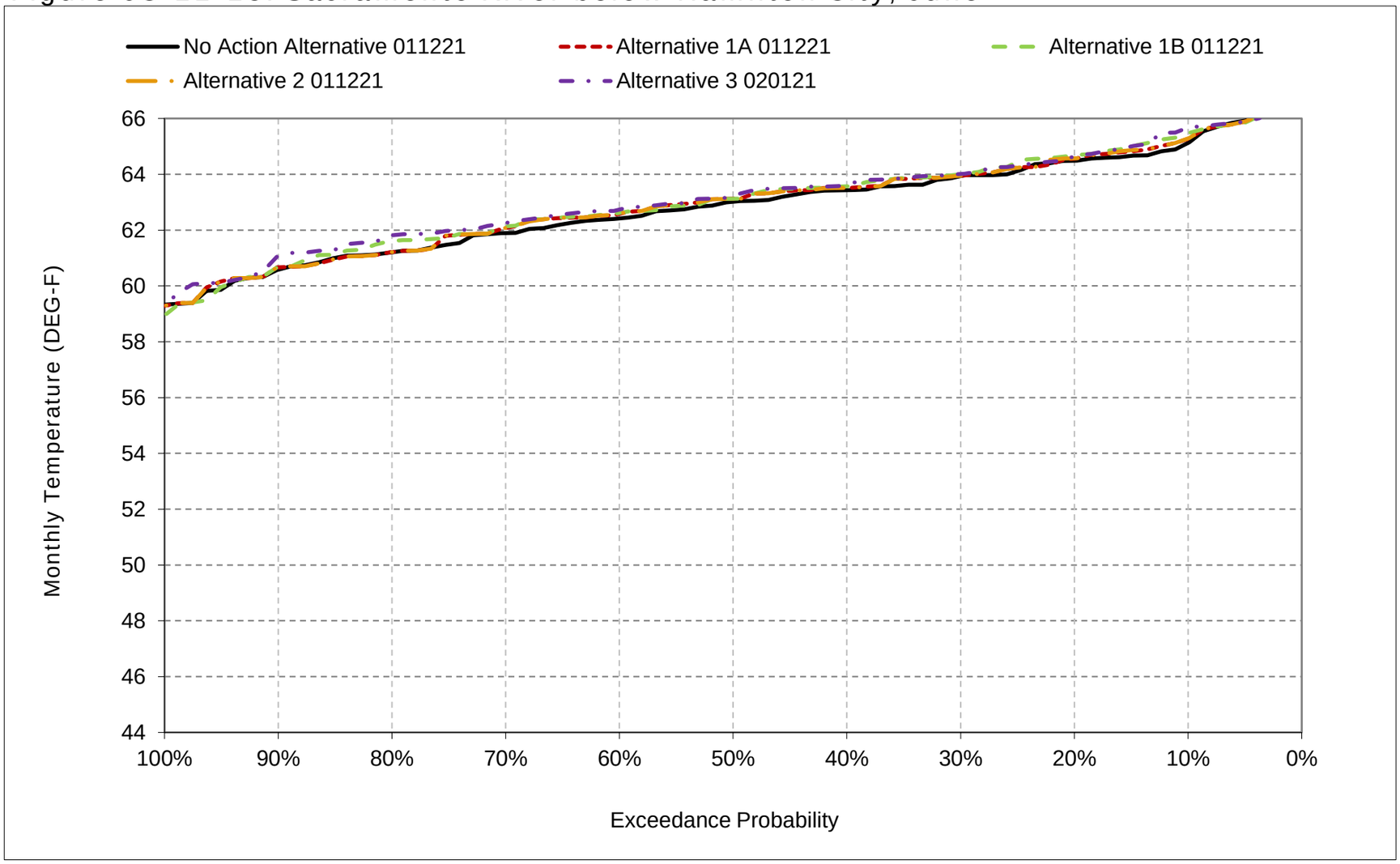
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-11-14. Sacramento River below Hamilton City, May



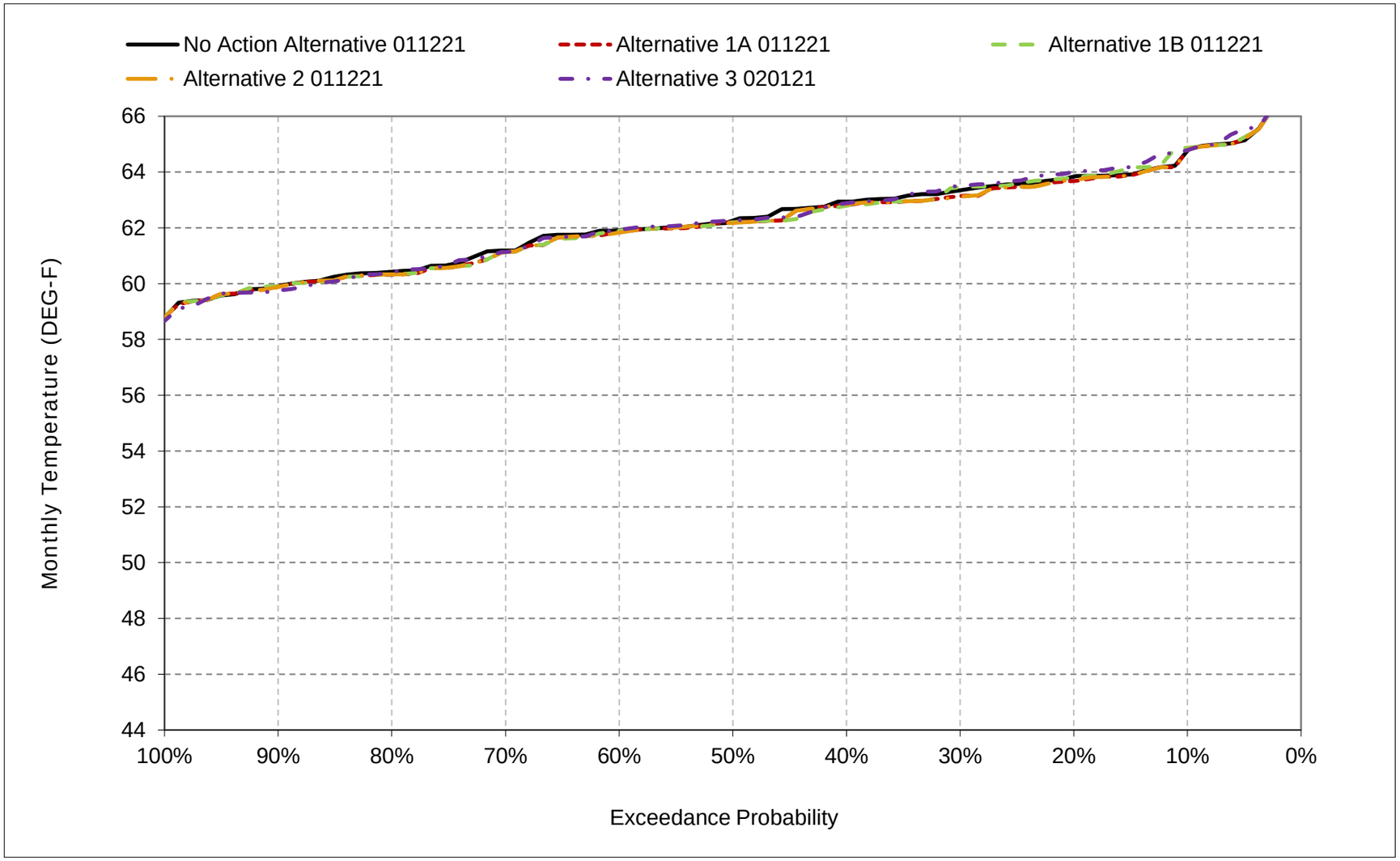
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-11-15. Sacramento River below Hamilton City, June



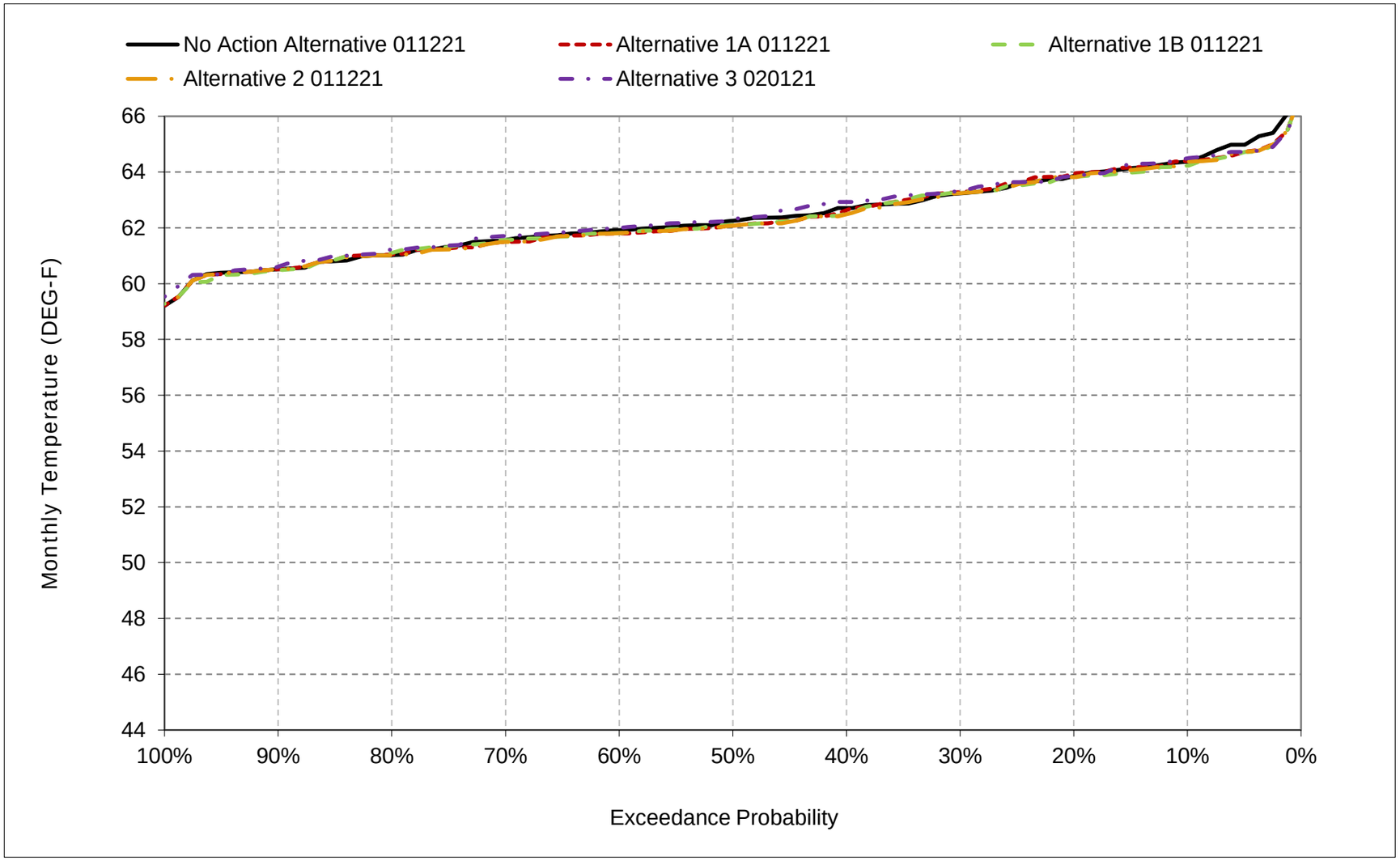
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-11-16. Sacramento River below Hamilton City, July



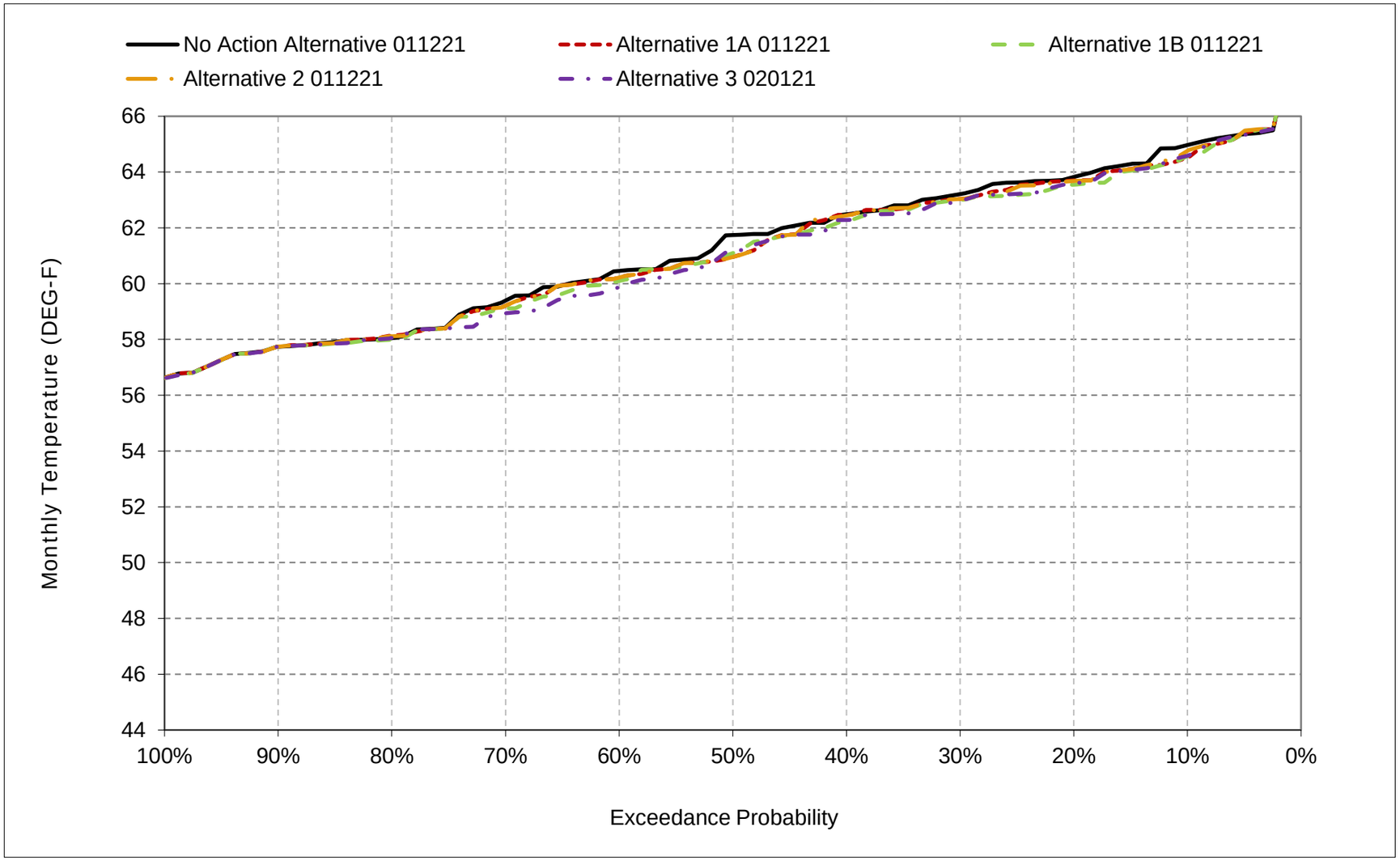
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-11-17. Sacramento River below Hamilton City, August



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

Figure 6C-11-18. Sacramento River below Hamilton City, September



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

Table 6C-12-1a. Sacramento River at Butte City, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	59.7	54.7	49.8	47.8	50.0	55.0	61.3	64.6	67.0	66.9	66.4	66.5
20%	59.0	54.0	49.0	47.2	49.3	54.2	60.3	64.0	66.2	65.9	65.8	65.4
30%	58.4	53.7	48.4	46.8	48.7	53.4	59.6	63.4	65.6	65.4	65.2	64.8
40%	57.8	53.2	48.1	46.3	48.3	52.7	59.3	62.9	65.1	64.8	64.5	63.9
50%	57.4	52.9	47.9	46.2	48.0	52.3	58.7	62.4	64.5	64.1	64.1	63.4
60%	57.2	52.5	47.7	45.9	47.6	51.7	58.1	62.1	64.0	63.7	63.8	61.8
70%	56.9	52.2	47.6	45.7	47.1	51.3	57.4	61.2	63.7	62.9	63.4	60.7
80%	56.6	52.0	47.2	45.5	46.6	50.1	55.8	60.6	62.9	62.2	62.7	59.3
90%	56.1	51.8	46.9	45.3	46.2	49.5	54.9	59.3	62.2	61.6	62.2	58.9
Long Term												
Full Simulation Period[a]	57.8	53.0	48.2	46.3	48.0	52.2	58.3	62.2	64.5	64.2	64.3	62.8
Water Year Types[b,c]												
Wet (32%)	56.7	53.3	48.6	46.0	47.0	50.6	56.1	61.1	65.1	64.4	63.5	59.8
Above Normal (15%)	57.4	52.5	48.0	46.3	47.3	51.2	57.7	62.3	64.7	62.8	63.5	60.9
Below Normal (17%)	57.4	52.6	47.9	46.1	47.7	52.7	59.0	62.8	63.7	63.3	64.2	63.7
Dry (22%)	58.2	52.8	47.9	46.4	48.9	53.3	59.8	62.9	63.5	64.0	64.8	65.0
Critical (15%)	60.1	53.7	48.0	47.2	50.1	54.3	60.4	63.0	65.6	66.6	66.1	66.7

Table 6C-12-1b. Sacramento River at Butte City, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	59.5	54.5	49.8	47.8	50.0	55.0	61.3	65.0	66.9	66.7	66.3	66.1
20%	58.9	54.0	49.0	47.2	49.3	54.2	60.3	64.3	66.2	65.6	65.7	65.2
30%	58.4	53.7	48.4	46.8	48.8	53.6	59.6	63.5	65.5	65.2	65.2	64.5
40%	57.8	53.1	48.1	46.3	48.3	52.8	59.3	63.1	65.3	64.7	64.4	64.1
50%	57.5	52.9	47.9	46.2	48.1	52.4	58.7	62.6	64.7	64.1	63.9	62.3
60%	57.1	52.5	47.8	46.0	47.7	51.9	58.2	62.3	64.3	63.6	63.7	61.6
70%	56.8	52.2	47.6	45.7	47.2	51.4	57.4	61.5	63.7	62.9	63.2	60.6
80%	56.6	52.1	47.2	45.4	46.6	50.1	56.0	60.7	62.8	61.9	62.7	59.5
90%	56.1	51.8	46.9	45.2	46.2	49.6	55.0	59.3	62.2	61.6	62.2	58.9
Long Term												
Full Simulation Period[a]	57.7	53.0	48.2	46.3	48.1	52.3	58.3	62.4	64.7	64.1	64.2	62.6
Water Year Types[b,c]												
Wet (32%)	56.7	53.3	48.6	46.0	47.0	50.6	56.1	61.2	65.2	64.4	63.6	59.8
Above Normal (15%)	57.4	52.5	48.0	46.3	47.3	51.4	57.8	62.3	64.8	62.8	63.5	60.9
Below Normal (17%)	57.4	52.7	47.9	46.1	47.8	52.9	59.0	62.9	63.8	63.2	64.1	63.6
Dry (22%)	58.2	52.8	48.0	46.4	48.9	53.5	59.8	63.0	63.7	63.7	64.4	64.6
Critical (15%)	59.9	53.7	48.0	47.2	50.1	54.3	60.4	63.5	65.7	66.4	66.0	66.3

Table 6C-12-1c. Sacramento River at Butte City, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.3	-0.1	-0.2	-0.1	-0.4
20%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.0	-0.3	-0.1	-0.2
30%	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	-0.1	-0.2	0.0	-0.3
40%	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	-0.1	-0.1	0.1
50%	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	-0.1	-0.2	-1.1
60%	-0.1	0.0	0.1	0.0	0.1	0.2	0.1	0.1	0.3	-0.1	-0.1	-0.2
70%	-0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	-0.2	-0.1
80%	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.0	-0.3	0.0	0.1
90%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	-0.1	-0.1	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.1	-0.1	0.0	-0.1
Dry (22%)	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.2	-0.3	-0.4	-0.4
Critical (15%)	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.0	-0.2	-0.1	-0.4

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-12-2a. Sacramento River at Butte City, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	59.7	54.7	49.8	47.8	50.0	55.0	61.3	64.6	67.0	66.9	66.4	66.5
20%	59.0	54.0	49.0	47.2	49.3	54.2	60.3	64.0	66.2	65.9	65.8	65.4
30%	58.4	53.7	48.4	46.8	48.7	53.4	59.6	63.4	65.6	65.4	65.2	64.8
40%	57.8	53.2	48.1	46.3	48.3	52.7	59.3	62.9	65.1	64.8	64.5	63.9
50%	57.4	52.9	47.9	46.2	48.0	52.3	58.7	62.4	64.5	64.1	64.1	63.4
60%	57.2	52.5	47.7	45.9	47.6	51.7	58.1	62.1	64.0	63.7	63.8	61.8
70%	56.9	52.2	47.6	45.7	47.1	51.3	57.4	61.2	63.7	62.9	63.4	60.7
80%	56.6	52.0	47.2	45.5	46.6	50.1	55.8	60.6	62.9	62.2	62.7	59.3
90%	56.1	51.8	46.9	45.3	46.2	49.5	54.9	59.3	62.2	61.6	62.2	58.9
Long Term												
Full Simulation Period[a]	57.8	53.0	48.2	46.3	48.0	52.2	58.3	62.2	64.5	64.2	64.3	62.8
Water Year Types[b,c]												
Wet (32%)	56.7	53.3	48.6	46.0	47.0	50.6	56.1	61.1	65.1	64.4	63.5	59.8
Above Normal (15%)	57.4	52.5	48.0	46.3	47.3	51.2	57.7	62.3	64.7	62.8	63.5	60.9
Below Normal (17%)	57.4	52.6	47.9	46.1	47.7	52.7	59.0	62.8	63.7	63.3	64.2	63.7
Dry (22%)	58.2	52.8	47.9	46.4	48.9	53.3	59.8	62.9	63.5	64.0	64.8	65.0
Critical (15%)	60.1	53.7	48.0	47.2	50.1	54.3	60.4	63.0	65.6	66.6	66.1	66.7

Table 6C-12-2b. Sacramento River at Butte City, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	59.5	54.7	49.7	47.8	50.0	55.0	61.3	64.9	67.1	66.9	66.2	66.0
20%	58.9	54.1	49.0	47.2	49.4	54.2	60.3	64.4	66.4	65.9	65.5	65.0
30%	58.2	53.7	48.4	46.7	48.8	53.6	59.6	63.6	65.7	65.4	65.2	64.5
40%	57.8	53.2	48.1	46.4	48.3	52.8	59.3	63.1	65.4	64.6	64.4	63.8
50%	57.5	52.9	47.9	46.2	48.1	52.4	58.8	62.6	64.7	64.0	64.0	62.4
60%	57.3	52.6	47.8	45.9	47.7	51.9	58.2	62.3	64.3	63.6	63.7	61.5
70%	56.8	52.2	47.6	45.7	47.2	51.4	57.4	61.5	63.9	62.9	63.3	60.5
80%	56.6	52.1	47.3	45.4	46.6	50.1	56.0	60.7	63.1	62.0	62.7	59.3
90%	56.0	51.8	47.0	45.3	46.2	49.6	55.0	59.3	62.2	61.6	62.2	58.9
Long Term												
Full Simulation Period[a]	57.7	53.0	48.2	46.3	48.1	52.3	58.3	62.4	64.7	64.1	64.2	62.5
Water Year Types[b,c]												
Wet (32%)	56.7	53.3	48.6	46.0	47.0	50.6	56.1	61.2	65.2	64.4	63.6	59.8
Above Normal (15%)	57.3	52.5	48.1	46.3	47.3	51.4	57.7	62.3	65.2	63.0	63.5	60.5
Below Normal (17%)	57.4	52.7	47.9	46.1	47.8	52.9	59.0	63.0	63.9	63.3	64.1	63.5
Dry (22%)	58.2	52.9	47.9	46.4	48.9	53.5	59.9	63.1	63.6	63.6	64.5	64.7
Critical (15%)	59.9	53.7	48.0	47.2	50.1	54.4	60.4	63.5	65.7	66.5	65.8	66.3

Table 6C-12-2c. Sacramento River at Butte City, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.3	0.2	-0.1	-0.2	-0.5
20%	-0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.4	0.2	-0.1	-0.3	-0.4
30%	-0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.1	0.0	0.0	-0.4
40%	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	-0.2	-0.2	-0.1
50%	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	-0.1	-0.2	-1.0
60%	0.1	0.0	0.1	0.0	0.1	0.2	0.1	0.1	0.3	-0.1	-0.1	-0.3
70%	-0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.2	0.0	-0.1	-0.2
80%	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.3	-0.2	0.0	-0.1
90%	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	0.0
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.2	-0.1	-0.1	-0.2
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Above Normal (15%)	-0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.5	0.2	0.0	-0.4
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.3	0.0	0.0	-0.2
Dry (22%)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	-0.3	-0.3	-0.3
Critical (15%)	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	-0.2	-0.3	-0.4

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-12-3a. Sacramento River at Butte City, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	59.7	54.7	49.8	47.8	50.0	55.0	61.3	64.6	67.0	66.9	66.4	66.5
20%	59.0	54.0	49.0	47.2	49.3	54.2	60.3	64.0	66.2	65.9	65.8	65.4
30%	58.4	53.7	48.4	46.8	48.7	53.4	59.6	63.4	65.6	65.4	65.2	64.8
40%	57.8	53.2	48.1	46.3	48.3	52.7	59.3	62.9	65.1	64.8	64.5	63.9
50%	57.4	52.9	47.9	46.2	48.0	52.3	58.7	62.4	64.5	64.1	64.1	63.4
60%	57.2	52.5	47.7	45.9	47.6	51.7	58.1	62.1	64.0	63.7	63.8	61.8
70%	56.9	52.2	47.6	45.7	47.1	51.3	57.4	61.2	63.7	62.9	63.4	60.7
80%	56.6	52.0	47.2	45.5	46.6	50.1	55.8	60.6	62.9	62.2	62.7	59.3
90%	56.1	51.8	46.9	45.3	46.2	49.5	54.9	59.3	62.2	61.6	62.2	58.9
Long Term												
Full Simulation Period[a]	57.8	53.0	48.2	46.3	48.0	52.2	58.3	62.2	64.5	64.2	64.3	62.8
Water Year Types[b,c]												
Wet (32%)	56.7	53.3	48.6	46.0	47.0	50.6	56.1	61.1	65.1	64.4	63.5	59.8
Above Normal (15%)	57.4	52.5	48.0	46.3	47.3	51.2	57.7	62.3	64.7	62.8	63.5	60.9
Below Normal (17%)	57.4	52.6	47.9	46.1	47.7	52.7	59.0	62.8	63.7	63.3	64.2	63.7
Dry (22%)	58.2	52.8	47.9	46.4	48.9	53.3	59.8	62.9	63.5	64.0	64.8	65.0
Critical (15%)	60.1	53.7	48.0	47.2	50.1	54.3	60.4	63.0	65.6	66.6	66.1	66.7

Table 6C-12-3b. Sacramento River at Butte City, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	59.5	54.7	49.8	47.8	50.0	55.0	61.3	65.0	66.9	66.7	66.2	66.3
20%	58.9	54.0	49.0	47.2	49.3	54.2	60.3	64.3	66.3	65.6	65.7	65.2
30%	58.4	53.7	48.4	46.8	48.8	53.6	59.6	63.5	65.5	65.2	65.2	64.5
40%	57.8	53.1	48.1	46.3	48.3	52.8	59.3	63.1	65.3	64.7	64.3	64.0
50%	57.5	52.9	47.9	46.2	48.1	52.4	58.7	62.6	64.8	64.0	63.9	62.3
60%	57.1	52.5	47.8	46.0	47.7	51.9	58.2	62.3	64.3	63.6	63.7	61.6
70%	56.8	52.2	47.6	45.7	47.2	51.4	57.4	61.5	63.7	62.9	63.2	60.6
80%	56.6	52.1	47.2	45.4	46.6	50.1	56.0	60.7	62.8	61.9	62.7	59.4
90%	56.1	51.8	46.9	45.2	46.2	49.7	55.0	59.3	62.2	61.6	62.2	58.9
Long Term												
Full Simulation Period[a]	57.7	53.0	48.2	46.3	48.1	52.3	58.3	62.4	64.7	64.1	64.2	62.6
Water Year Types[b,c]												
Wet (32%)	56.7	53.3	48.6	46.0	47.0	50.6	56.1	61.2	65.2	64.4	63.5	59.8
Above Normal (15%)	57.4	52.5	48.0	46.3	47.3	51.4	57.8	62.3	64.8	62.8	63.5	60.9
Below Normal (17%)	57.4	52.6	47.9	46.1	47.8	52.9	59.0	62.9	63.8	63.2	64.1	63.6
Dry (22%)	58.2	52.8	48.0	46.4	48.9	53.4	59.8	63.0	63.7	63.7	64.4	64.6
Critical (15%)	59.9	53.7	48.0	47.2	50.1	54.3	60.4	63.5	65.7	66.5	65.9	66.3

Table 6C-12-3c. Sacramento River at Butte City, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	-0.1	-0.2	-0.2	-0.2
20%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.0	-0.3	-0.1	-0.2
30%	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	-0.1	-0.2	0.0	-0.3
40%	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	-0.1	-0.2	0.1
50%	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.2	-0.1	-0.2	-1.1
60%	-0.1	0.0	0.1	0.0	0.1	0.2	0.1	0.1	0.3	-0.1	-0.1	-0.2
70%	-0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.0	0.0	-0.2	-0.1
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	-0.3	0.0	0.1
90%	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	-0.1	-0.1	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0
Above Normal (15%)	-0.1	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.1	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.1	-0.1	0.0	-0.1
Dry (22%)	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.2	-0.3	-0.4	-0.4
Critical (15%)	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.1	-0.2	-0.2	-0.3

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-12-4a. Sacramento River at Butte City, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	59.7	54.7	49.8	47.8	50.0	55.0	61.3	64.6	67.0	66.9	66.4	66.5
20%	59.0	54.0	49.0	47.2	49.3	54.2	60.3	64.0	66.2	65.9	65.8	65.4
30%	58.4	53.7	48.4	46.8	48.7	53.4	59.6	63.4	65.6	65.4	65.2	64.8
40%	57.8	53.2	48.1	46.3	48.3	52.7	59.3	62.9	65.1	64.8	64.5	63.9
50%	57.4	52.9	47.9	46.2	48.0	52.3	58.7	62.4	64.5	64.1	64.1	63.4
60%	57.2	52.5	47.7	45.9	47.6	51.7	58.1	62.1	64.0	63.7	63.8	61.8
70%	56.9	52.2	47.6	45.7	47.1	51.3	57.4	61.2	63.7	62.9	63.4	60.7
80%	56.6	52.0	47.2	45.5	46.6	50.1	55.8	60.6	62.9	62.2	62.7	59.3
90%	56.1	51.8	46.9	45.3	46.2	49.5	54.9	59.3	62.2	61.6	62.2	58.9
Long Term												
Full Simulation Period[a]	57.8	53.0	48.2	46.3	48.0	52.2	58.3	62.2	64.5	64.2	64.3	62.8
Water Year Types[b,c]												
Wet (32%)	56.7	53.3	48.6	46.0	47.0	50.6	56.1	61.1	65.1	64.4	63.5	59.8
Above Normal (15%)	57.4	52.5	48.0	46.3	47.3	51.2	57.7	62.3	64.7	62.8	63.5	60.9
Below Normal (17%)	57.4	52.6	47.9	46.1	47.7	52.7	59.0	62.8	63.7	63.3	64.2	63.7
Dry (22%)	58.2	52.8	47.9	46.4	48.9	53.3	59.8	62.9	63.5	64.0	64.8	65.0
Critical (15%)	60.1	53.7	48.0	47.2	50.1	54.3	60.4	63.0	65.6	66.6	66.1	66.7

Table 6C-12-4b. Sacramento River at Butte City, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	59.3	54.7	49.7	47.8	50.0	55.0	61.3	64.7	67.3	66.8	66.3	66.0
20%	58.6	54.1	49.1	47.2	49.4	54.2	60.3	64.4	66.3	66.0	65.7	65.0
30%	58.2	53.7	48.4	46.7	48.8	53.6	59.8	63.6	65.7	65.4	65.3	64.5
40%	57.8	53.2	48.2	46.3	48.3	52.8	59.4	63.1	65.4	64.7	64.7	63.8
50%	57.5	52.9	48.0	46.2	48.1	52.4	58.8	62.8	64.8	64.1	64.1	62.5
60%	57.1	52.6	47.8	45.9	47.7	51.9	58.1	62.4	64.4	63.7	63.8	61.2
70%	56.7	52.2	47.6	45.7	47.2	51.4	57.4	61.5	63.9	62.9	63.5	60.3
80%	56.4	52.0	47.4	45.5	46.5	50.1	56.0	60.7	63.2	62.1	62.7	59.4
90%	56.0	51.7	46.9	45.3	46.2	49.6	54.8	59.3	62.4	61.3	62.4	58.9
Long Term												
Full Simulation Period[a]	57.6	53.0	48.2	46.3	48.0	52.3	58.3	62.4	64.8	64.2	64.3	62.5
Water Year Types[b,c]												
Wet (32%)	56.7	53.3	48.6	46.0	47.0	50.6	56.2	61.2	65.2	64.4	63.6	59.8
Above Normal (15%)	57.1	52.4	48.1	46.3	47.3	51.4	57.7	62.3	65.4	63.0	64.1	60.2
Below Normal (17%)	57.2	52.6	47.9	46.1	47.8	52.9	59.0	63.0	64.3	63.2	64.2	63.3
Dry (22%)	58.1	52.8	48.0	46.4	48.9	53.4	59.9	63.1	63.7	63.8	64.7	64.8
Critical (15%)	59.8	53.7	48.1	47.2	50.1	54.3	60.5	63.5	65.6	66.5	65.8	66.2

Table 6C-12-4c. Sacramento River at Butte City, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.4	-0.1	0.0	-0.5
20%	-0.4	0.0	0.1	0.0	0.1	0.0	0.0	0.3	0.1	0.1	-0.1	-0.4
30%	-0.1	0.0	0.0	-0.1	0.0	0.2	0.2	0.3	0.1	0.0	0.1	-0.4
40%	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	-0.1	0.2	-0.1
50%	0.0	0.0	0.1	0.0	0.0	0.2	0.2	0.4	0.2	0.0	0.0	-0.9
60%	-0.1	0.0	0.1	0.0	0.1	0.2	0.0	0.3	0.4	0.0	0.1	-0.6
70%	-0.2	0.0	0.1	0.0	0.0	0.2	0.0	0.3	0.2	0.0	0.1	-0.4
80%	-0.2	0.0	0.2	0.0	0.0	0.0	0.2	0.1	0.4	-0.1	0.0	0.0
90%	0.0	-0.1	0.0	0.0	0.0	0.1	-0.1	0.0	0.2	-0.3	0.1	0.0
Long Term												
Full Simulation Period[a]	-0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.3	0.0	0.1	-0.3
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0
Above Normal (15%)	-0.4	-0.1	0.0	0.0	0.0	0.2	0.0	0.1	0.7	0.2	0.6	-0.8
Below Normal (17%)	-0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.6	-0.1	0.0	-0.3
Dry (22%)	-0.1	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.2	-0.2	-0.1	-0.2
Critical (15%)	-0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.0	-0.1	-0.3	-0.5

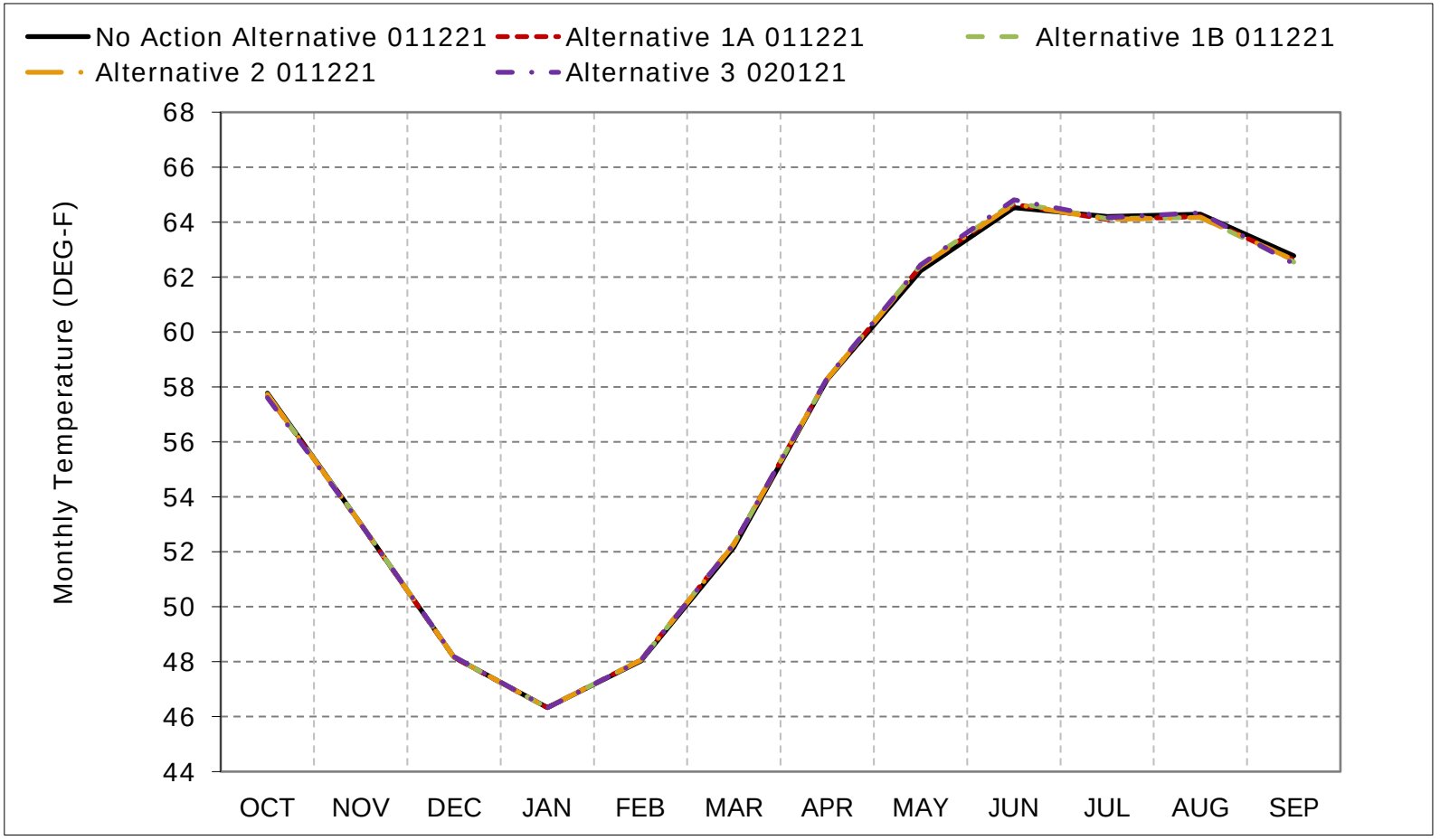
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

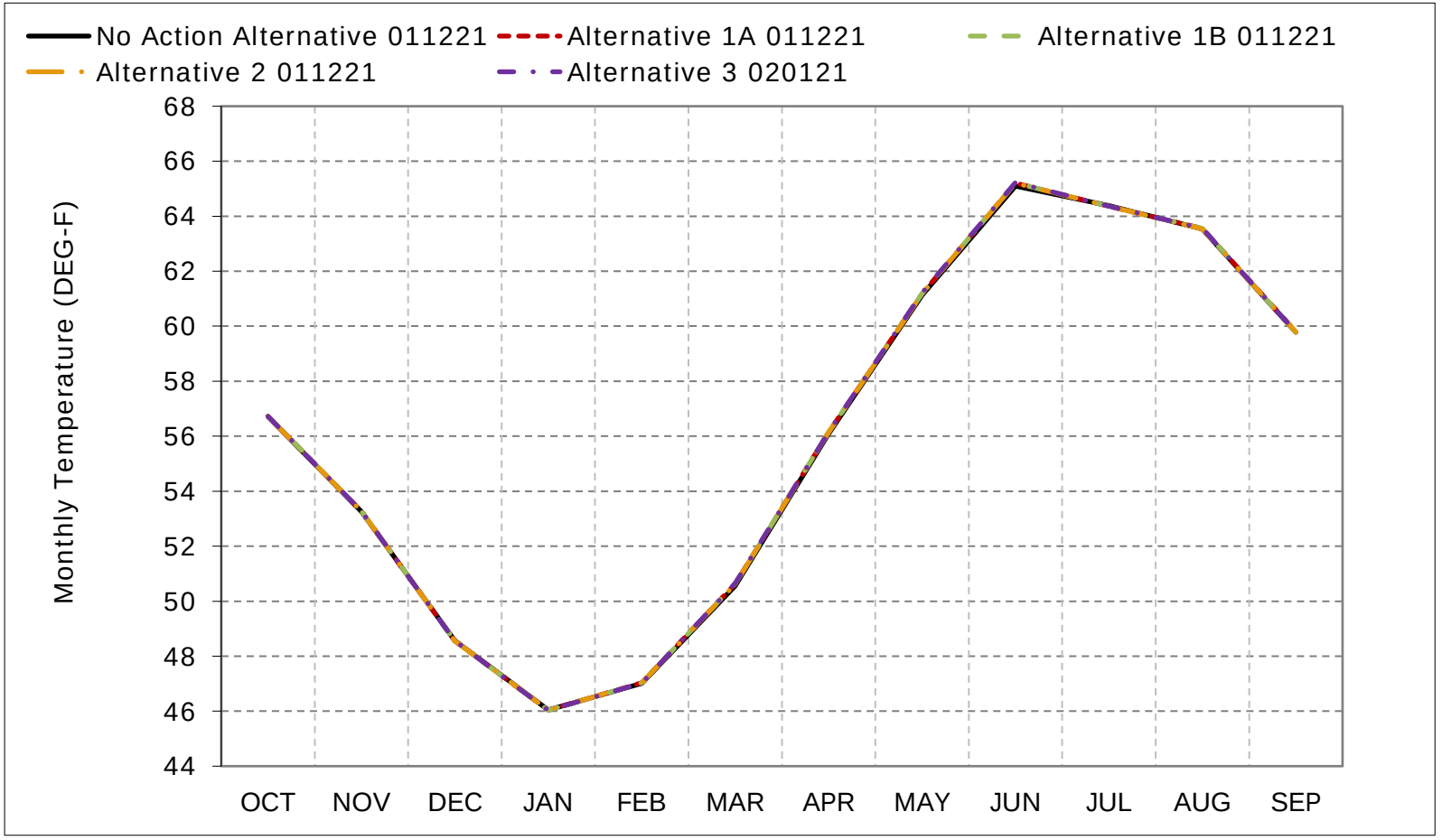
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-12-1. Sacramento River at Butte City, Long-Term Average Temperature



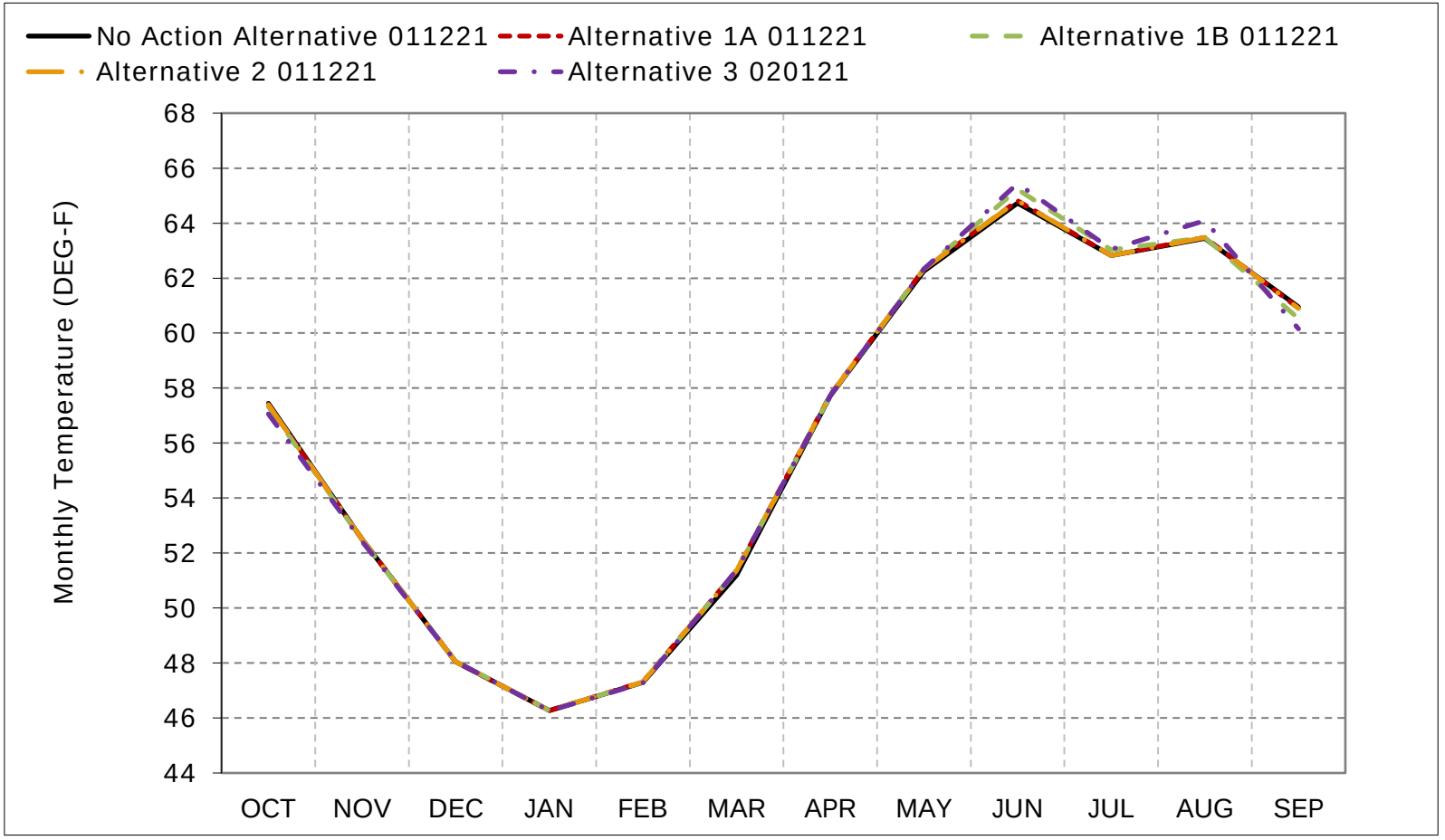
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-12-2. Sacramento River at Butte City, Wet Year Average Temperature



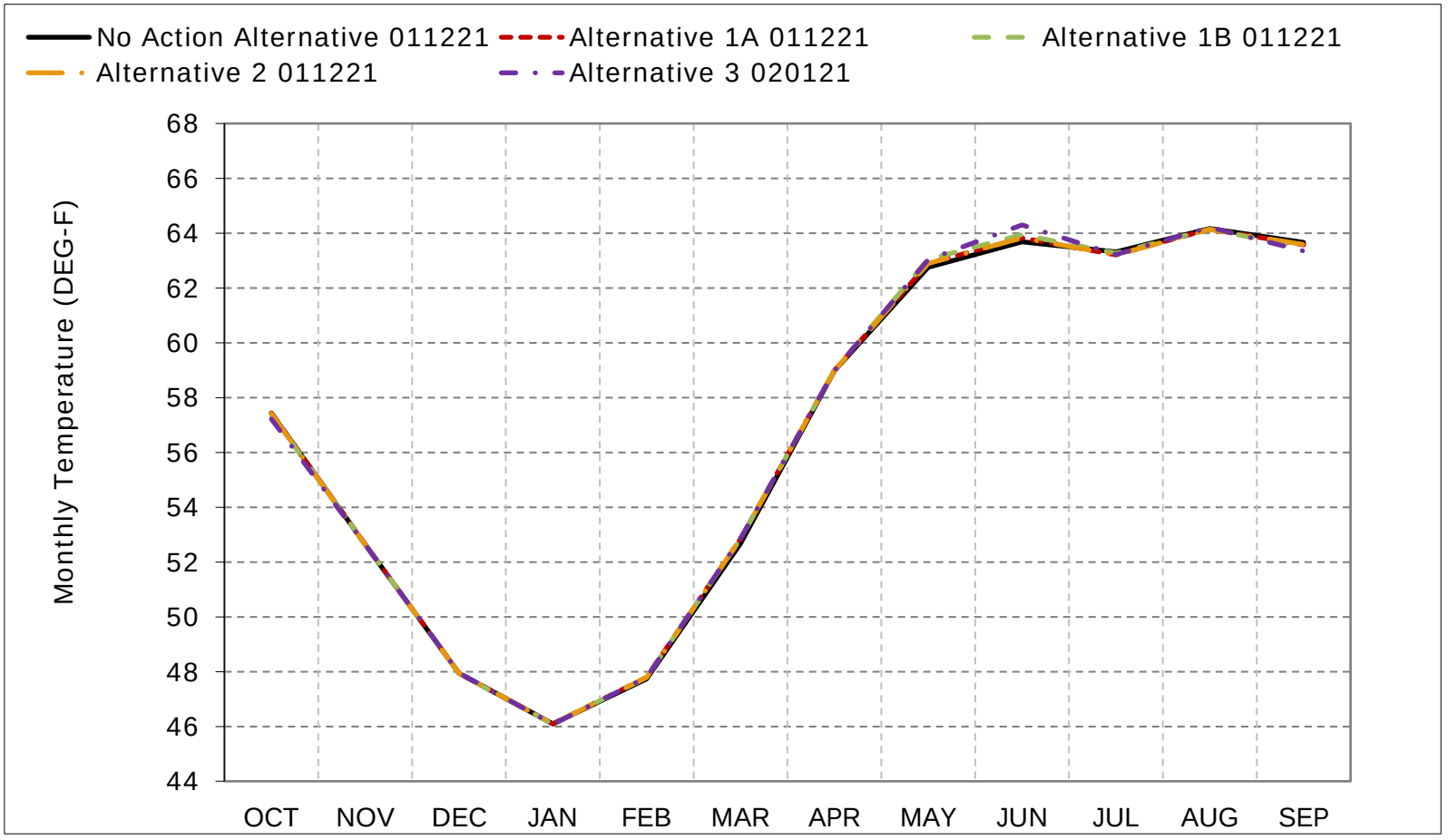
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-12-3. Sacramento River at Butte City, Above Normal Year Average Temperat



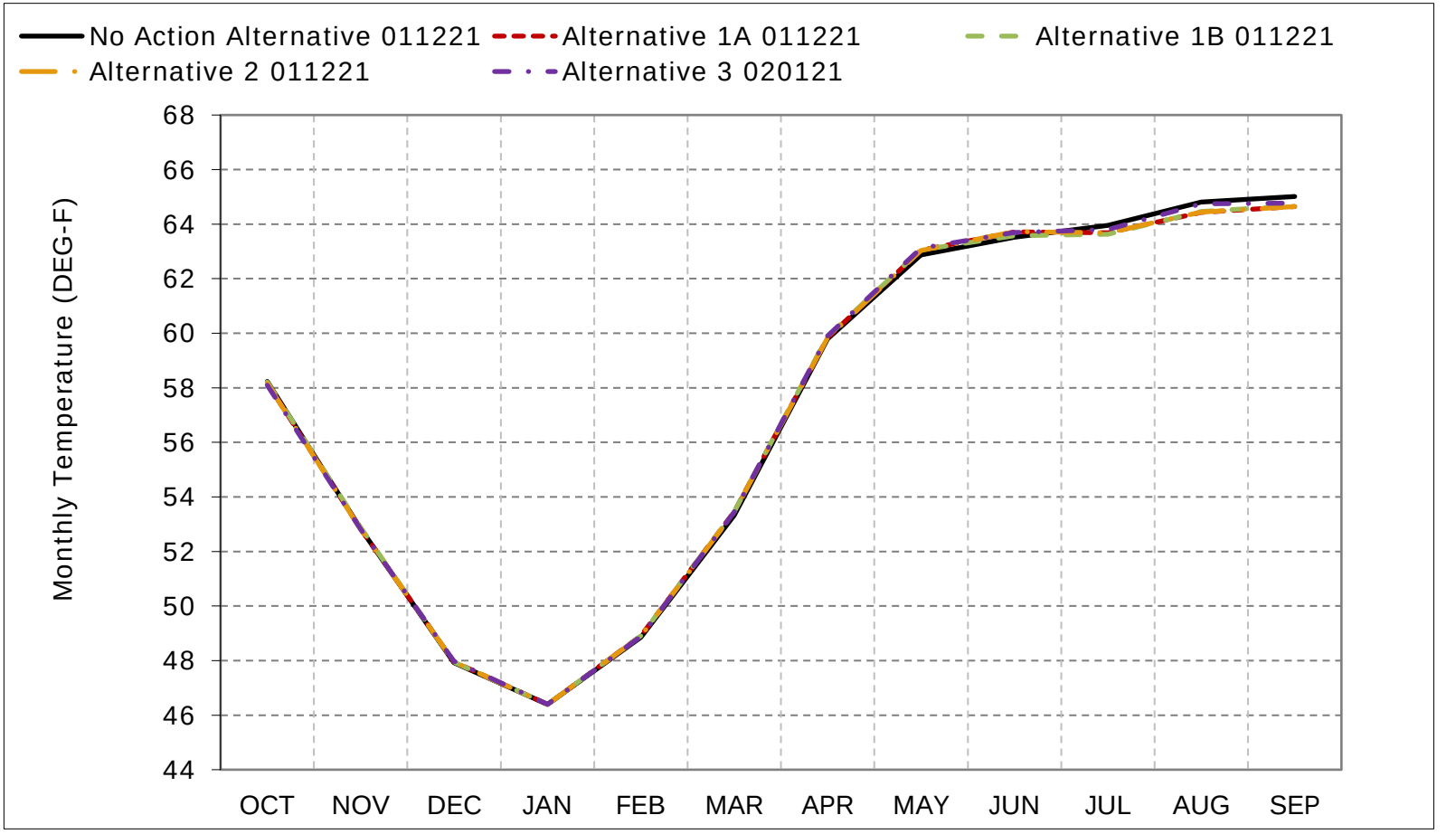
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-12-4. Sacramento River at Butte City, Below Normal Year Average Temperat



*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-12-5. Sacramento River at Butte City, Dry Year Average Temperature

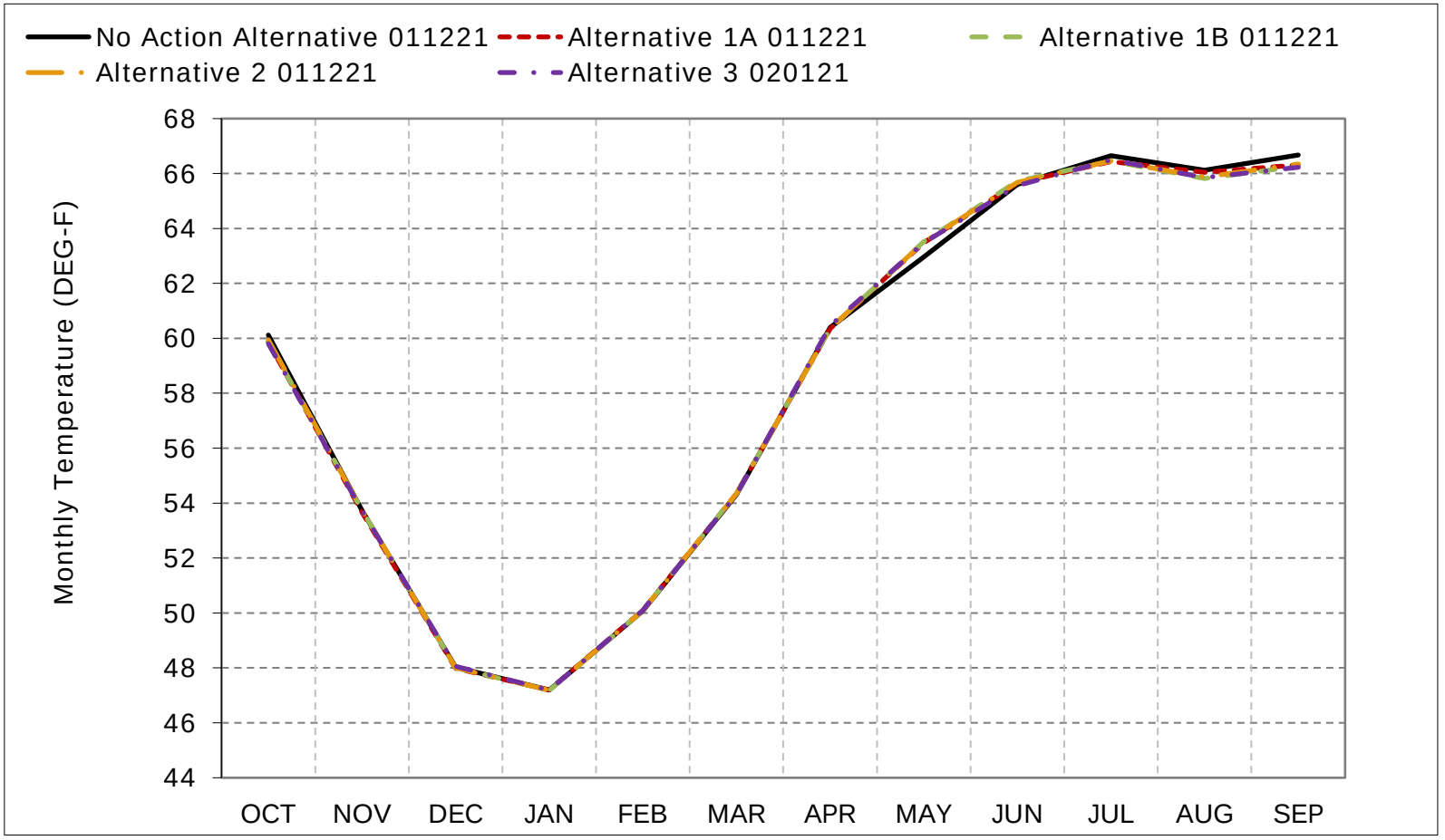


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

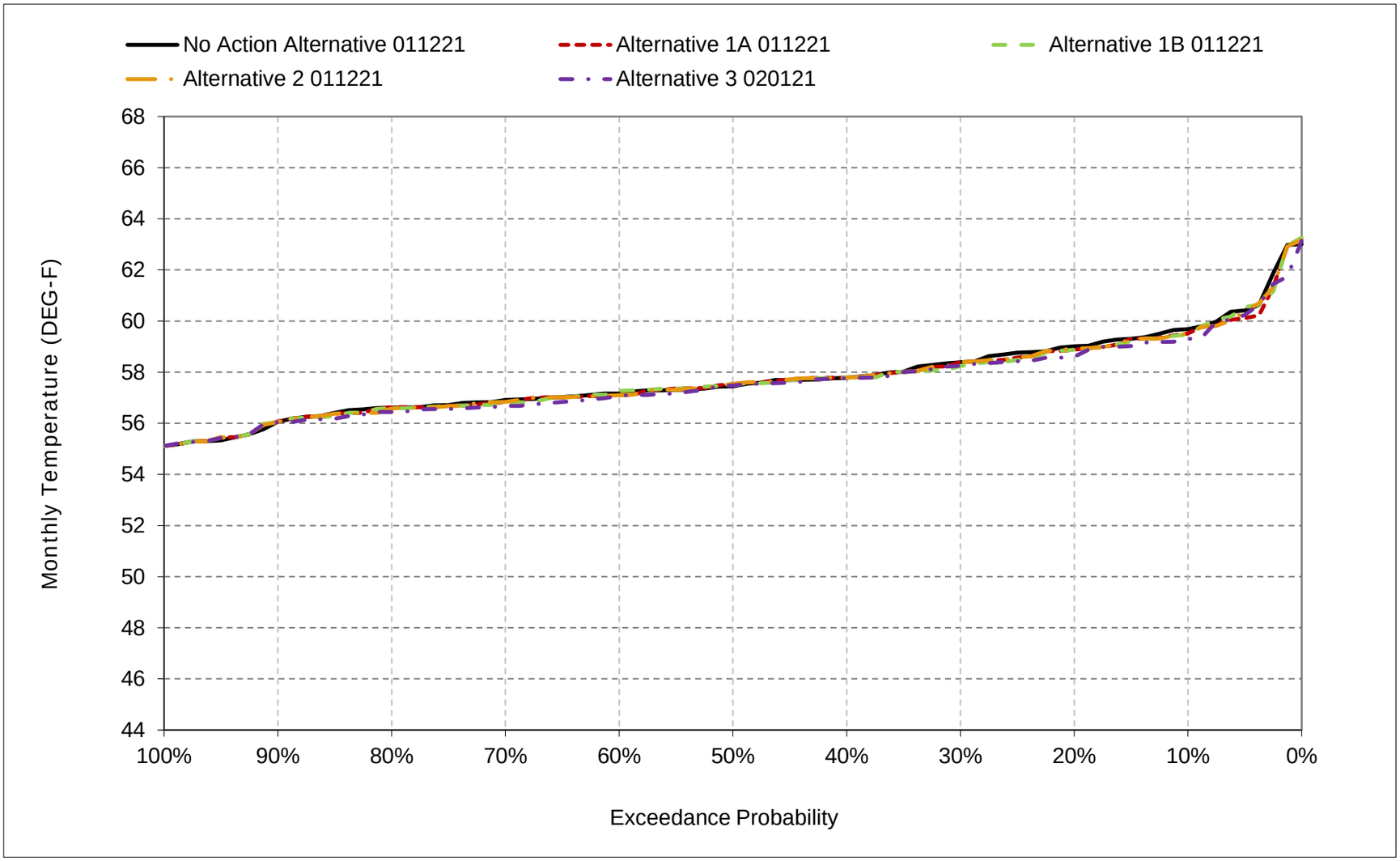
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-12-6. Sacramento River at Butte City, Critical Year Average Temperature



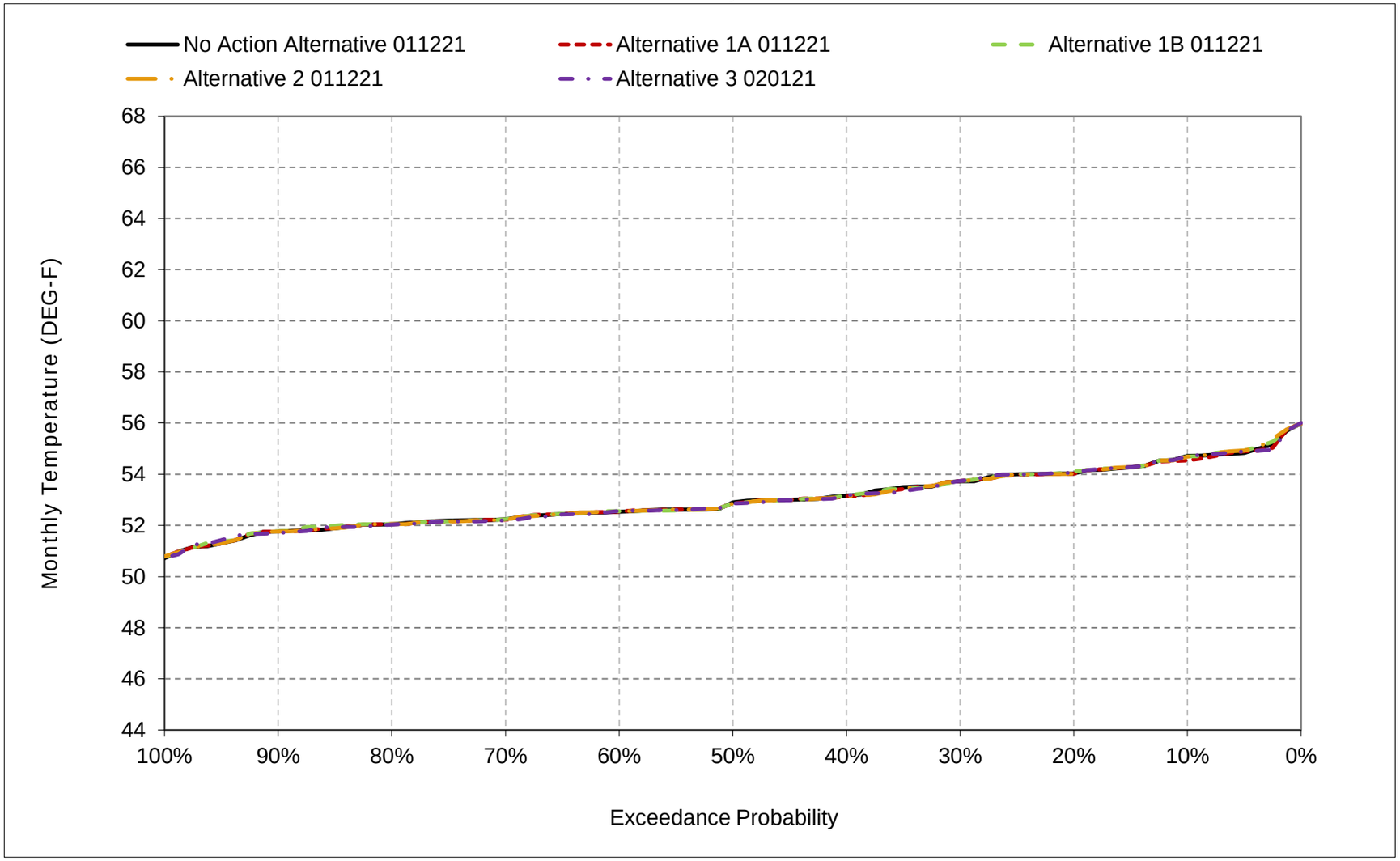
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-12-7. Sacramento River at Butte City, October



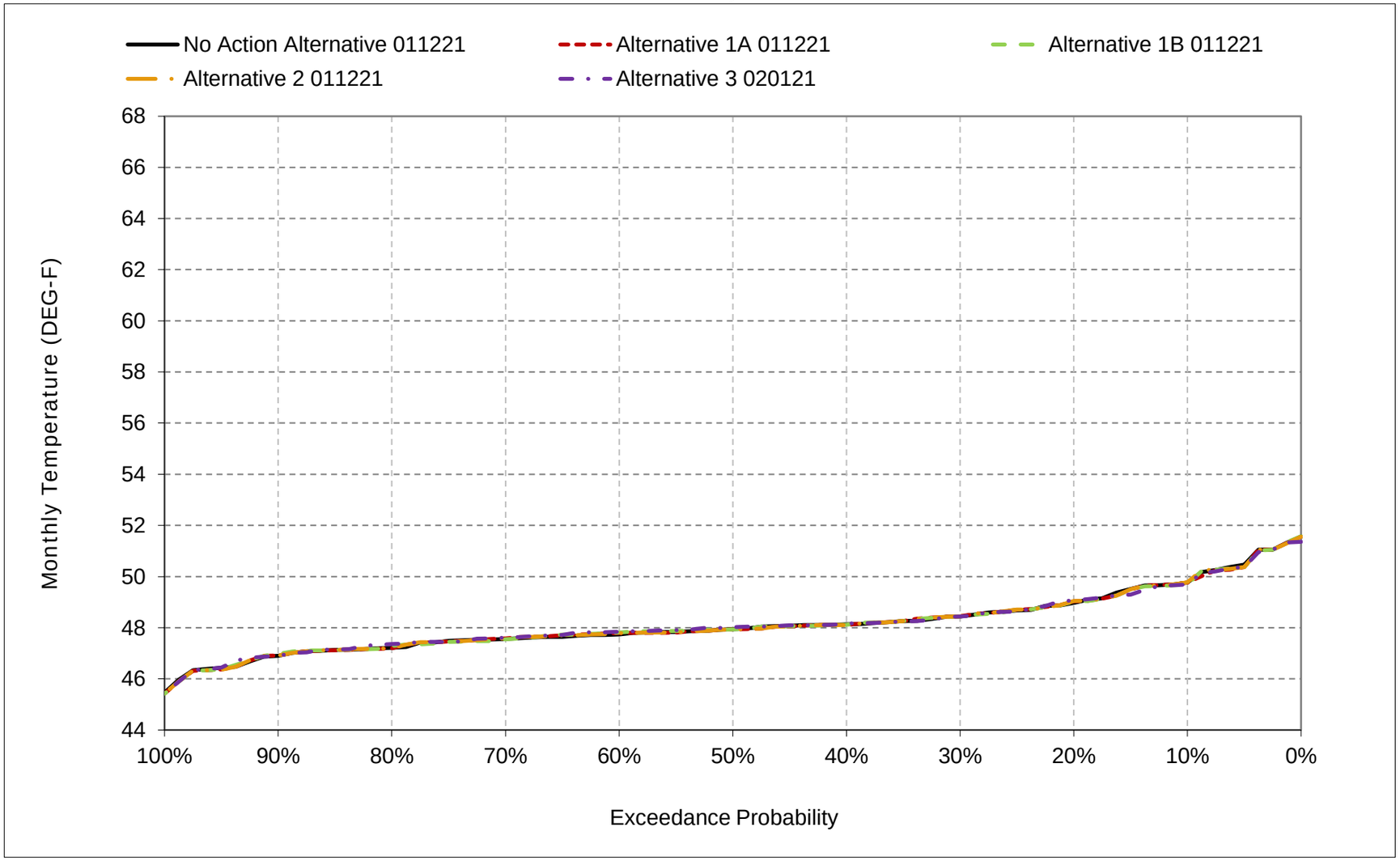
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-12-8. Sacramento River at Butte City, November



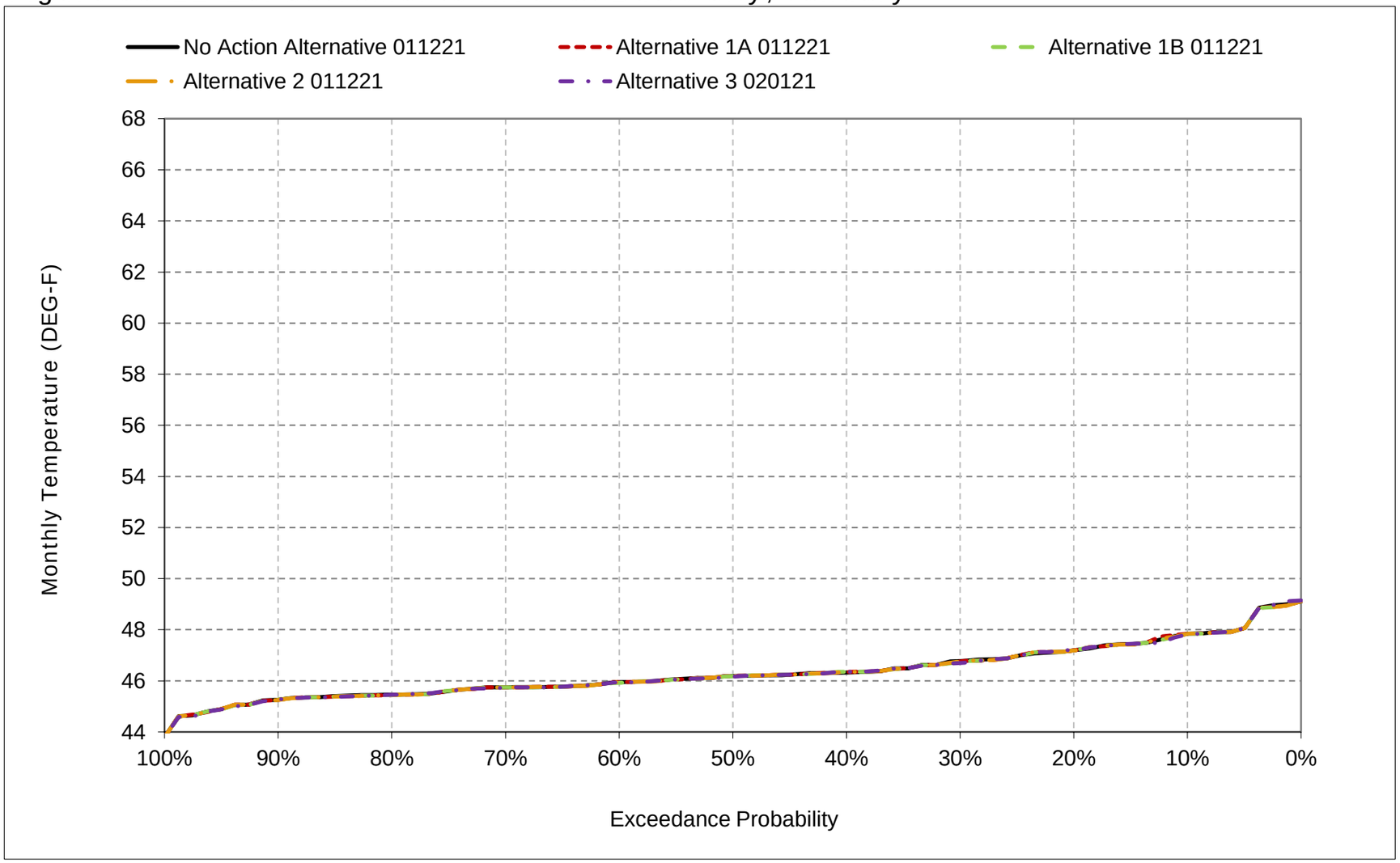
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-12-9. Sacramento River at Butte City, December



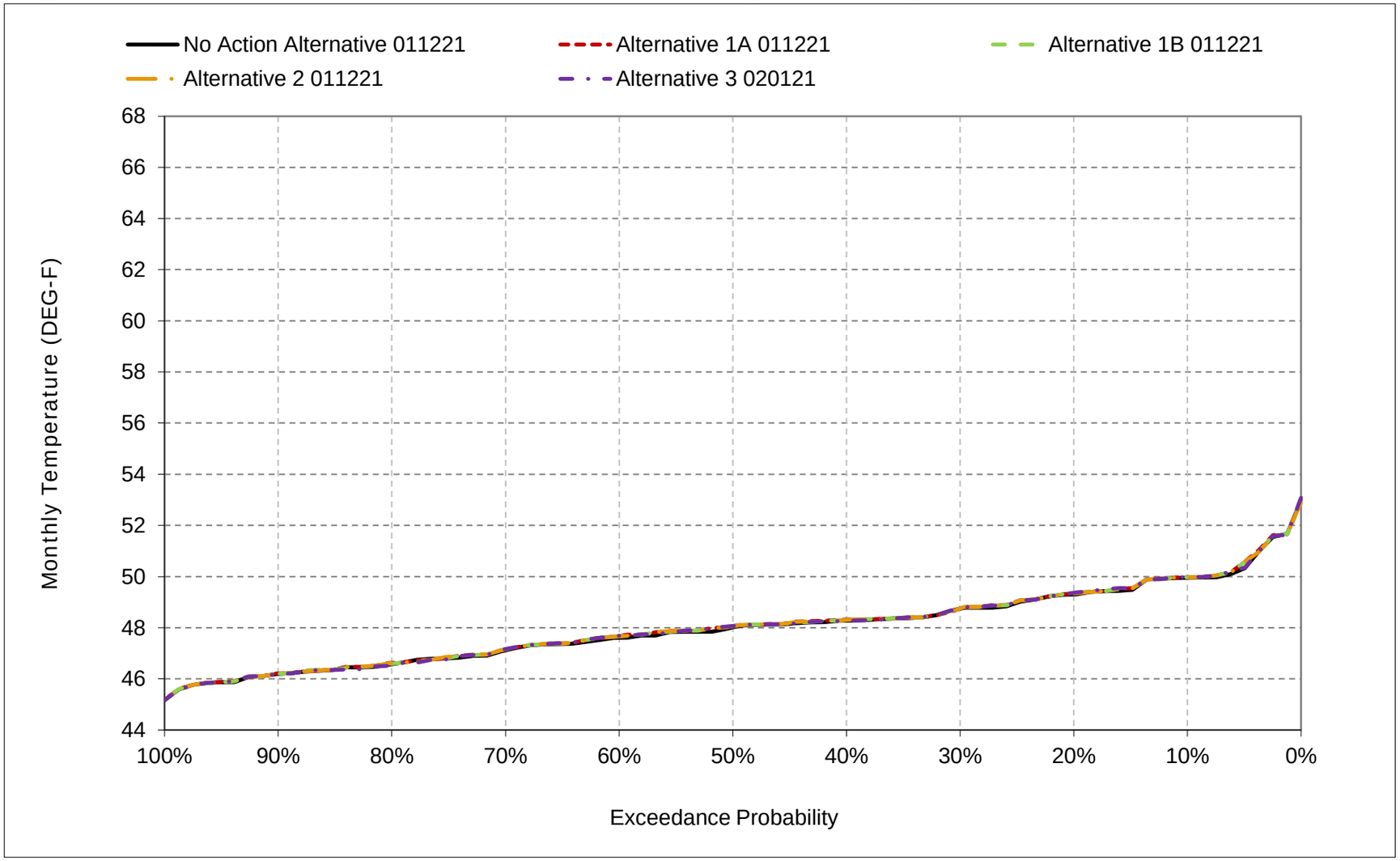
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-12-10. Sacramento River at Butte City, January



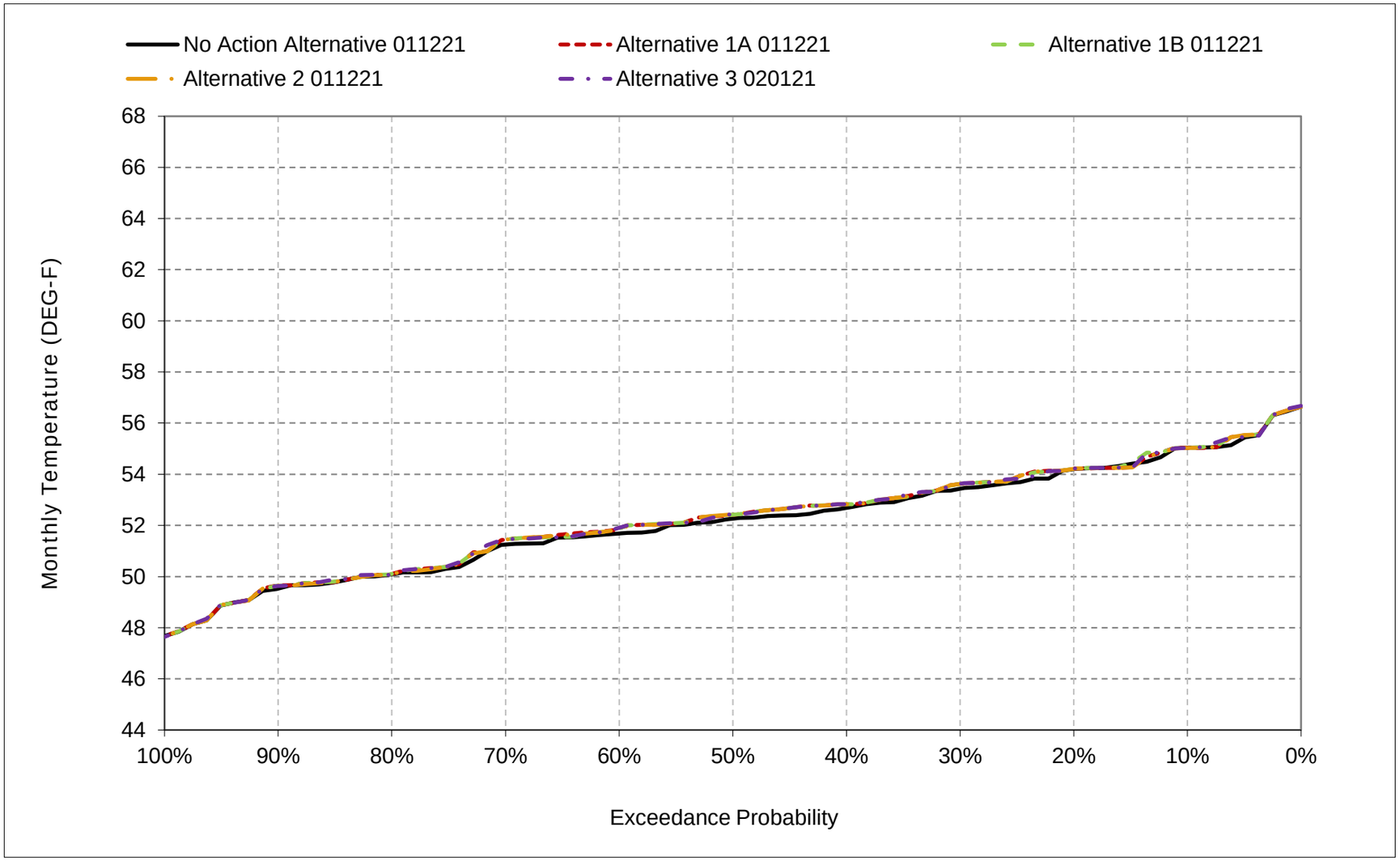
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-12-11. Sacramento River at Butte City, February



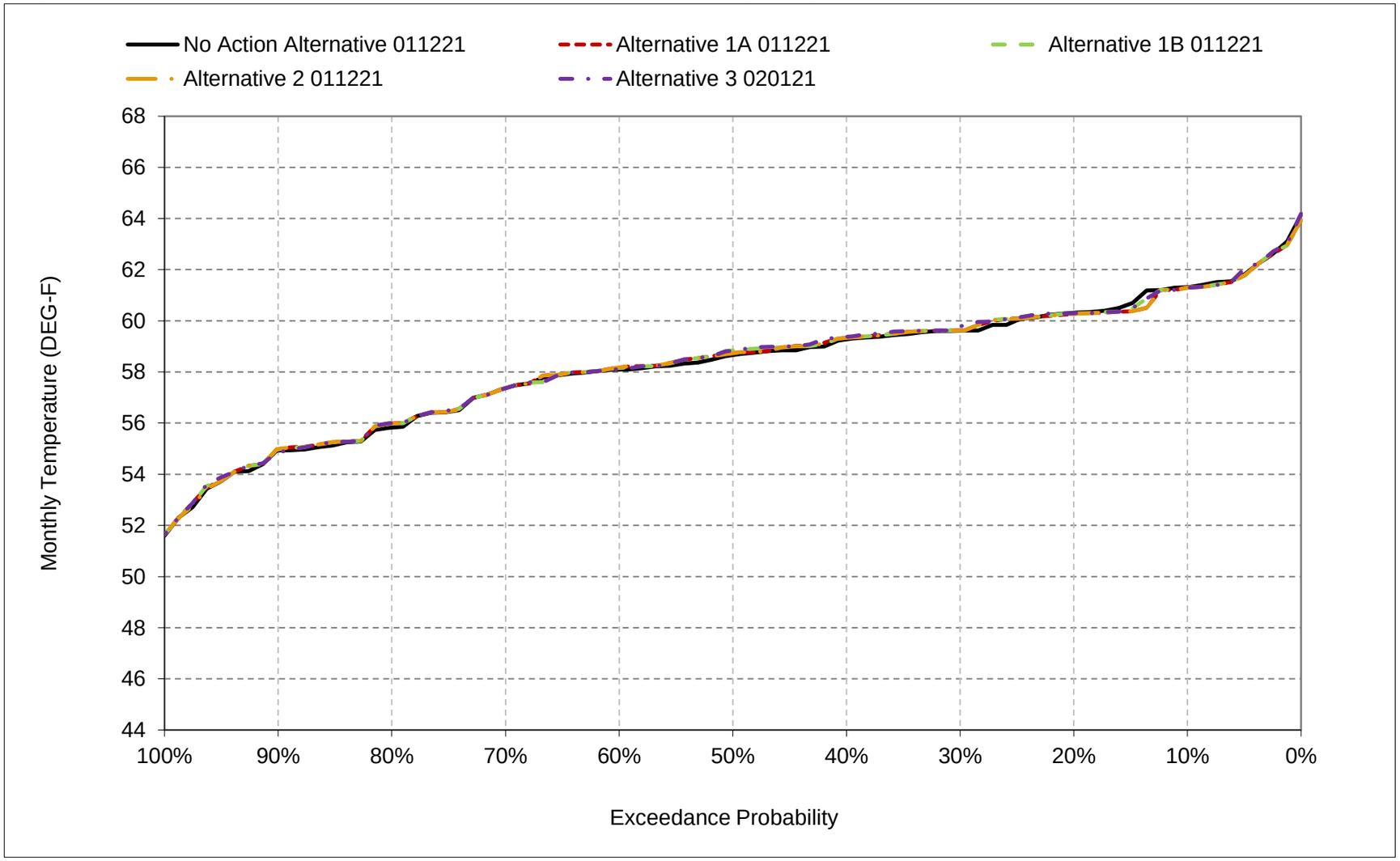
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-12-12. Sacramento River at Butte City, March



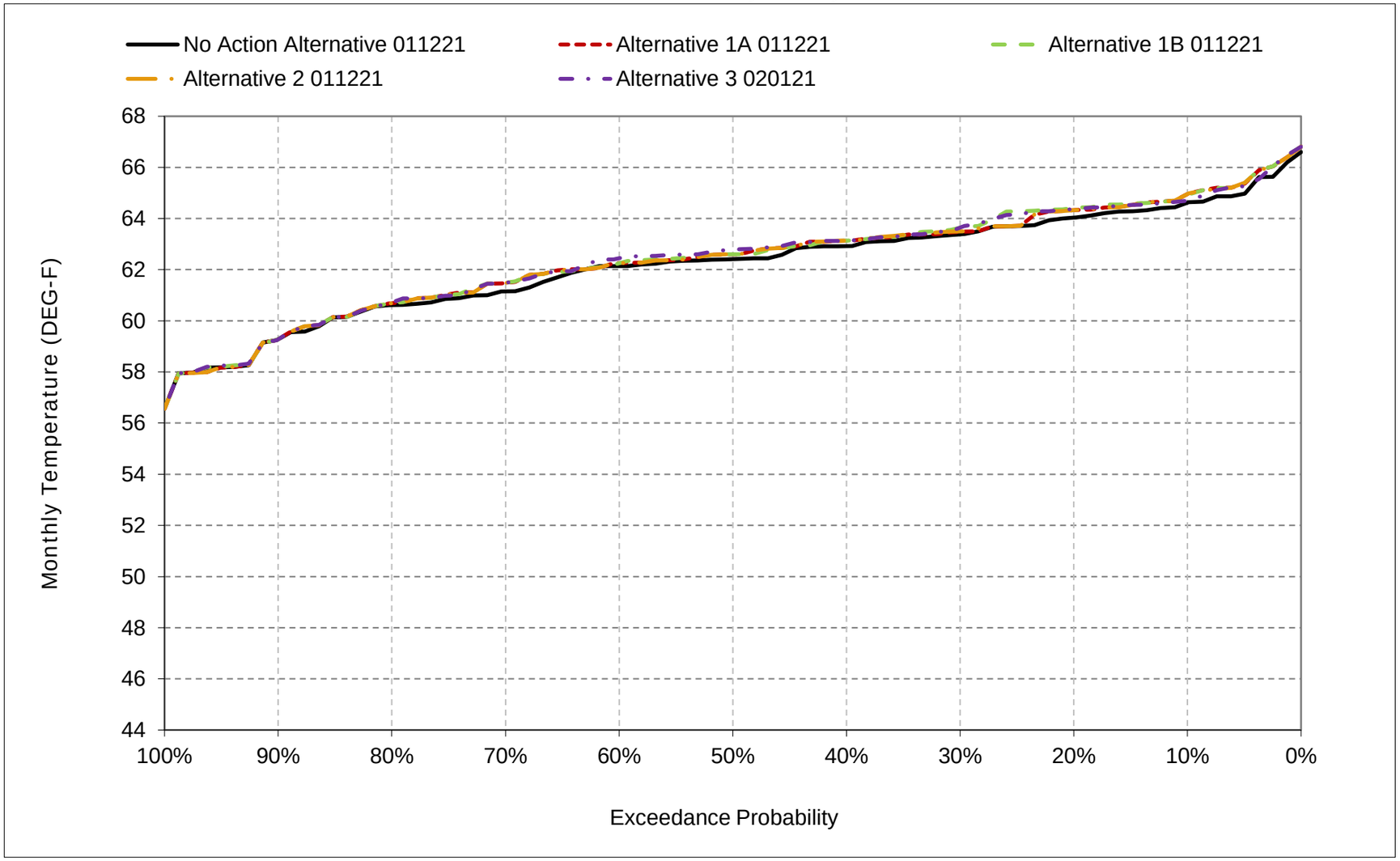
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-12-13. Sacramento River at Butte City, April



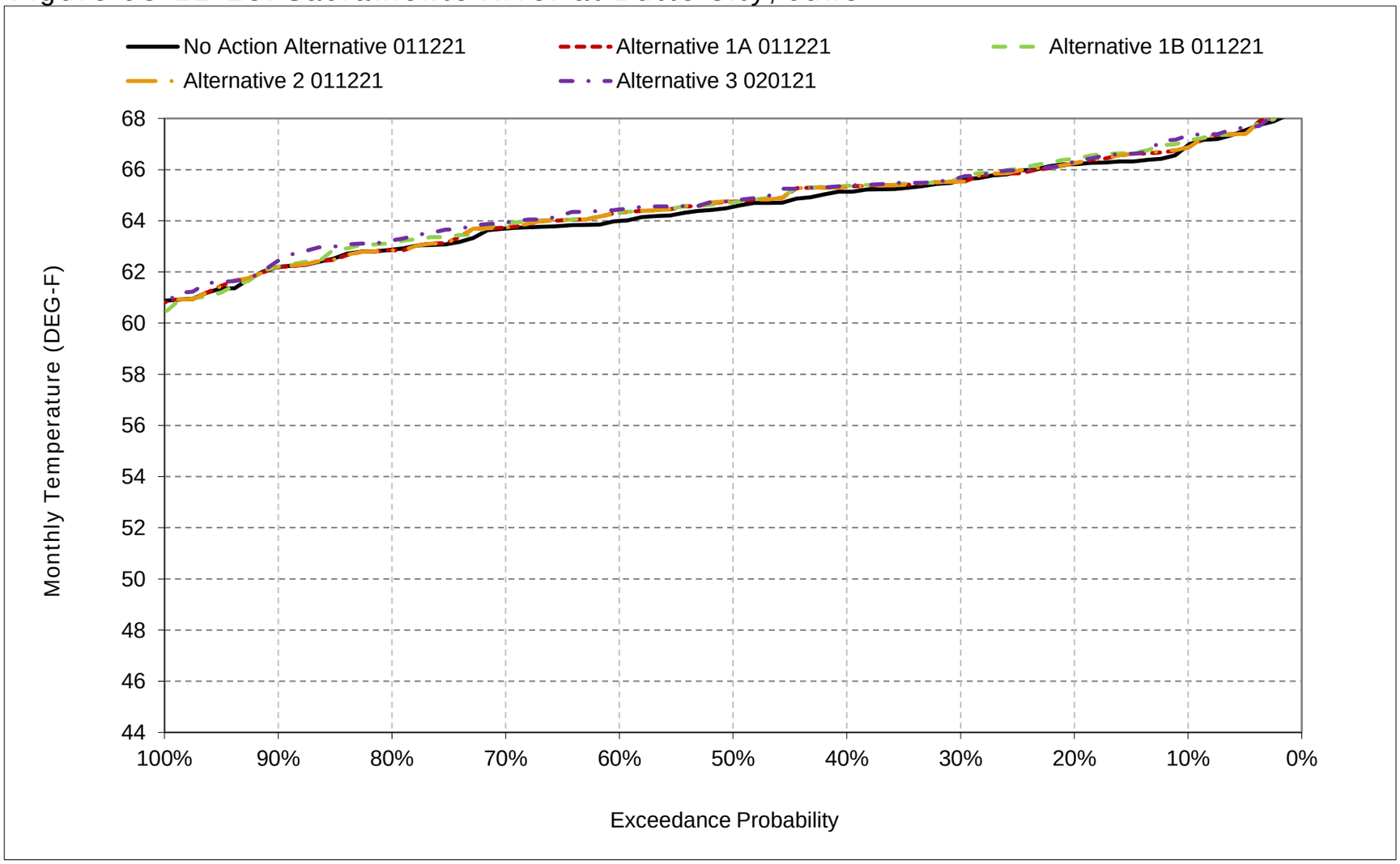
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-12-14. Sacramento River at Butte City, May



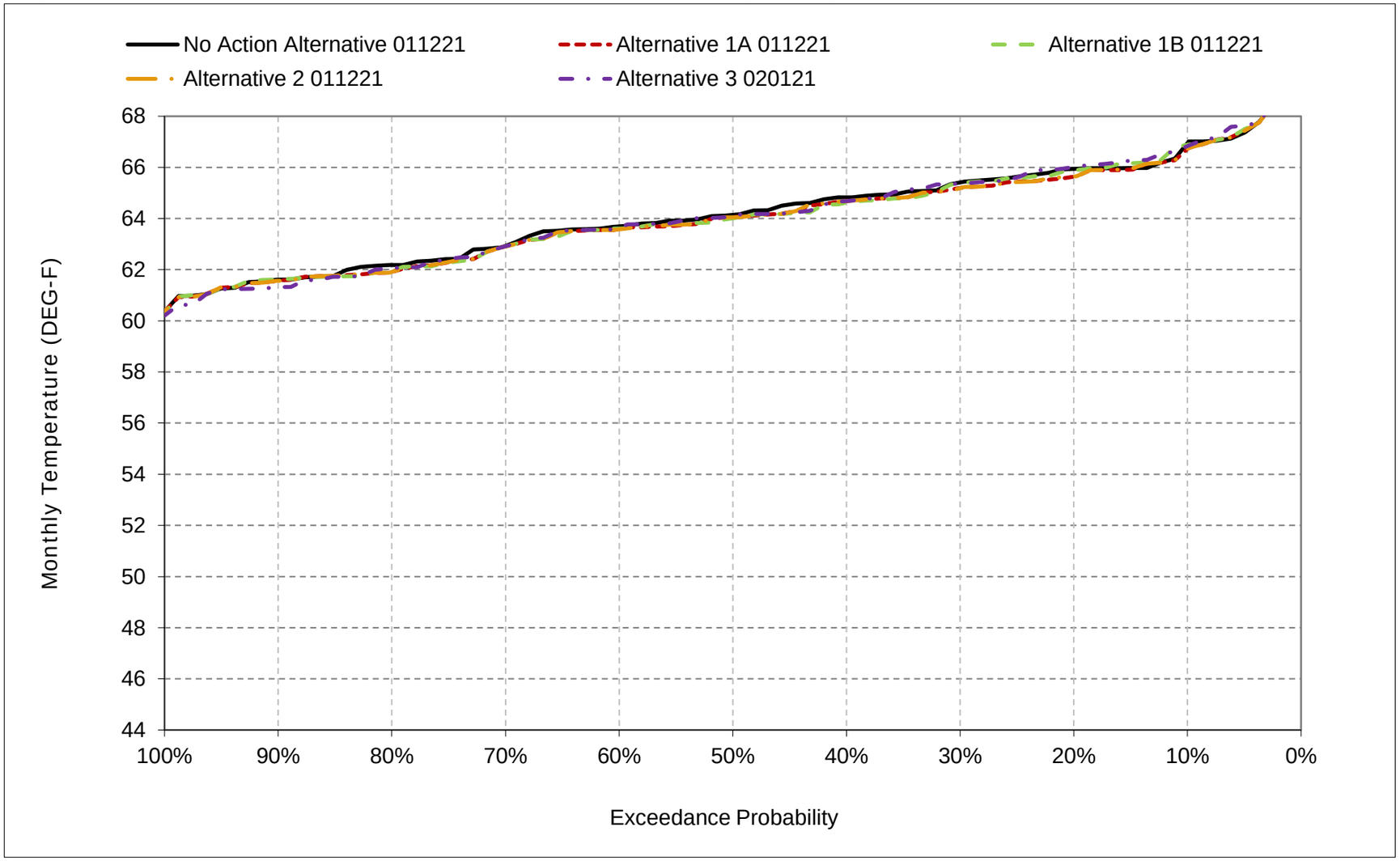
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-12-15. Sacramento River at Butte City, June



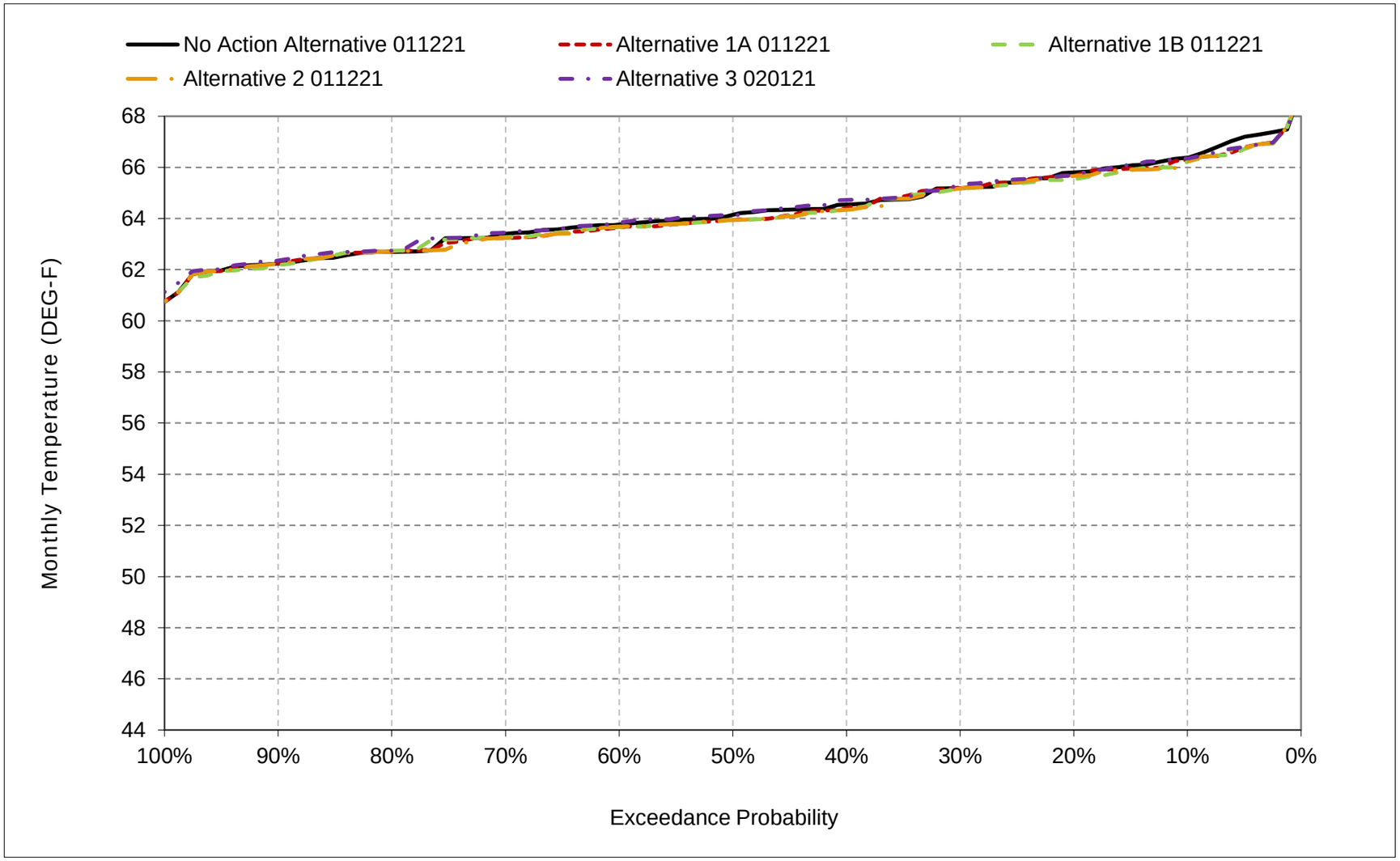
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-12-16. Sacramento River at Butte City, July



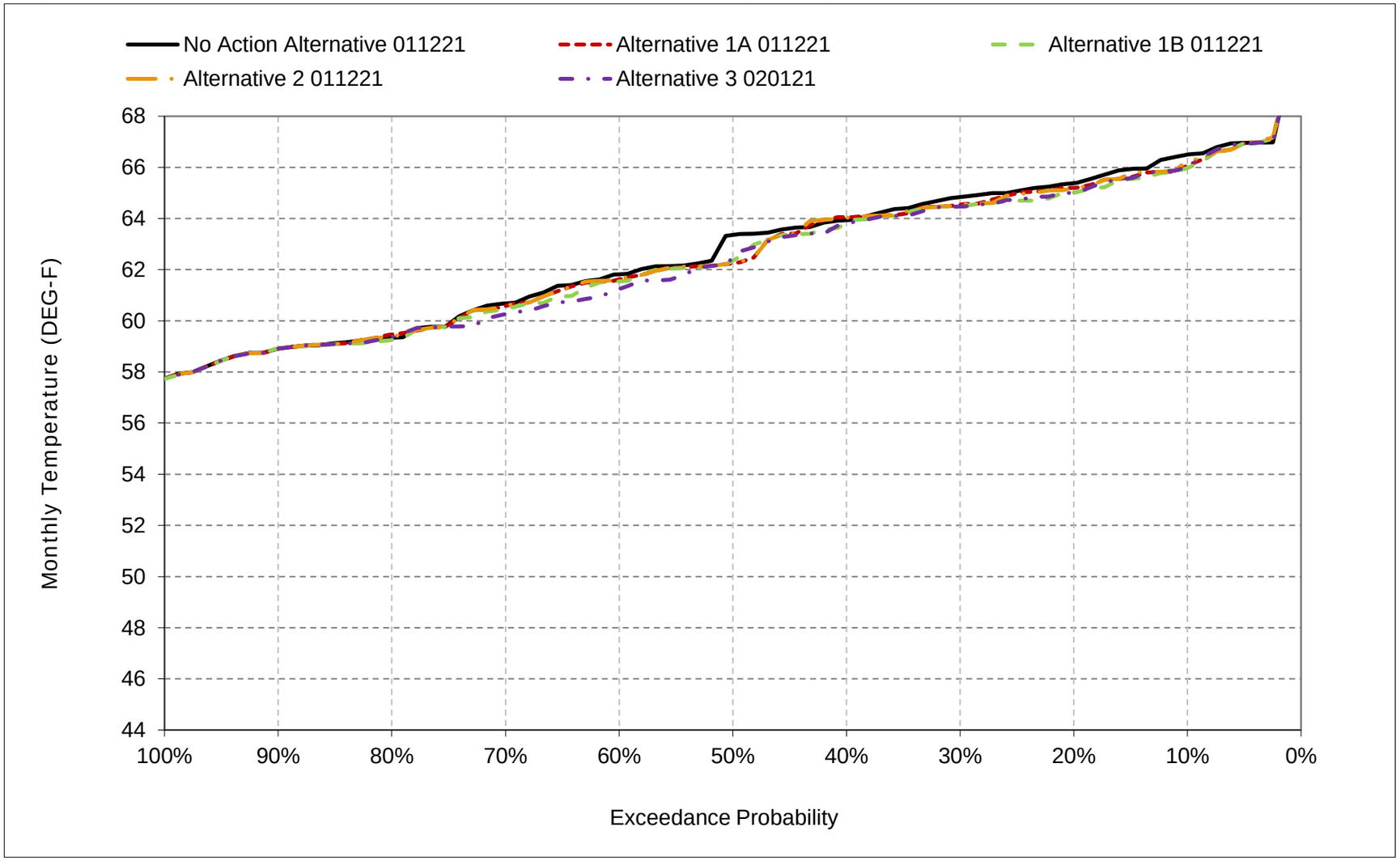
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-12-17. Sacramento River at Butte City, August



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

Figure 6C-12-18. Sacramento River at Butte City, September



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

Table 6C-13-1a. American River below Nimbus Dam, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	62.7	56.6	51.6	47.3	47.4	50.7	55.7	60.0	63.6	65.0	63.7	64.6
20%	62.0	56.4	51.0	46.7	46.9	50.3	55.0	58.7	62.4	63.8	63.3	64.3
30%	61.7	56.2	50.1	46.2	46.5	49.9	54.1	57.3	61.5	63.5	62.7	63.9
40%	61.3	55.9	49.7	45.9	46.2	49.5	53.6	56.3	60.7	63.1	62.1	63.3
50%	61.0	55.6	49.3	45.7	46.0	49.3	53.0	55.8	59.3	62.7	61.7	62.8
60%	60.6	55.3	48.9	45.4	45.8	49.1	52.5	55.4	58.7	62.2	61.5	62.3
70%	60.0	55.1	48.3	45.1	45.6	48.8	51.9	55.1	58.3	61.9	61.0	61.9
80%	58.0	54.8	47.7	44.7	45.4	48.5	51.4	54.8	57.7	61.1	60.9	61.5
90%	57.4	54.2	47.3	44.4	45.1	48.1	51.0	54.2	57.4	60.5	59.6	60.7
Long Term												
Full Simulation Period[a]	60.4	55.5	49.4	45.8	46.2	49.4	53.1	56.6	60.0	62.7	61.8	62.7
Water Year Types[b,c]												
Wet (32%)	58.6	56.0	50.5	45.4	45.6	48.7	51.6	54.9	58.1	61.4	60.4	61.2
Above Normal (15%)	60.5	55.3	49.0	46.3	46.3	49.2	52.6	55.6	59.0	62.7	61.2	62.9
Below Normal (17%)	60.6	55.1	48.8	45.9	46.0	49.2	53.5	56.5	59.9	63.1	61.9	62.8
Dry (22%)	62.0	55.5	49.0	45.5	46.3	49.8	54.0	58.1	62.1	62.6	62.7	63.7
Critical (15%)	61.7	55.2	48.7	46.2	47.2	50.9	55.2	59.1	62.3	65.5	63.8	64.1

Table 6C-13-1b. American River below Nimbus Dam, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	62.6	56.7	51.6	47.2	47.4	50.6	55.6	60.0	63.7	65.0	63.7	64.6
20%	62.0	56.4	51.0	46.7	47.0	50.3	54.7	58.9	62.6	63.9	63.1	64.4
30%	61.7	56.2	50.2	46.2	46.5	49.9	54.1	57.4	61.6	63.6	62.5	63.8
40%	61.3	55.9	49.8	45.9	46.2	49.5	53.6	56.3	60.8	63.2	62.0	63.3
50%	61.0	55.6	49.4	45.7	46.0	49.3	53.0	55.8	59.2	62.7	61.7	63.0
60%	60.5	55.3	48.9	45.4	45.8	49.1	52.5	55.4	58.6	62.2	61.5	62.3
70%	59.8	55.1	48.3	45.0	45.6	48.8	51.9	55.1	58.3	61.8	61.1	62.0
80%	58.0	54.8	47.8	44.7	45.3	48.6	51.4	54.8	57.7	61.1	60.9	61.5
90%	57.4	54.2	47.2	44.4	45.1	48.1	51.0	54.2	57.4	60.5	59.6	60.7
Long Term												
Full Simulation Period[a]	60.4	55.5	49.4	45.7	46.2	49.4	53.1	56.6	60.1	62.8	61.7	62.7
Water Year Types[b,c]												
Wet (32%)	58.6	56.0	50.5	45.4	45.6	48.7	51.6	54.9	58.1	61.4	60.4	61.2
Above Normal (15%)	60.5	55.3	49.0	46.3	46.3	49.2	52.6	55.6	58.9	62.7	61.3	62.9
Below Normal (17%)	60.6	55.1	48.8	45.9	46.0	49.2	53.5	56.6	59.9	63.1	62.0	62.8
Dry (22%)	61.9	55.6	49.1	45.5	46.3	49.8	54.0	58.2	62.2	62.8	62.4	63.7
Critical (15%)	62.0	55.1	48.7	46.1	47.1	50.8	55.1	59.3	62.5	65.4	63.8	64.3

Table 6C-13-1c. American River below Nimbus Dam, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.2	0.0	0.0	0.1
20%	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.1	0.2	0.1	-0.1	0.1
30%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.1	-0.2	-0.1
40%	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	0.2	0.1	-0.1	0.0
50%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.2
60%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
70%	-0.3	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
80%	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
90%	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	-0.3	0.0
Critical (15%)	0.3	0.0	0.0	-0.1	-0.1	-0.1	-0.2	0.2	0.2	-0.1	0.0	0.2

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-13-2a. American River below Nimbus Dam, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	62.7	56.6	51.6	47.3	47.4	50.7	55.7	60.0	63.6	65.0	63.7	64.6
20%	62.0	56.4	51.0	46.7	46.9	50.3	55.0	58.7	62.4	63.8	63.3	64.3
30%	61.7	56.2	50.1	46.2	46.5	49.9	54.1	57.3	61.5	63.5	62.7	63.9
40%	61.3	55.9	49.7	45.9	46.2	49.5	53.6	56.3	60.7	63.1	62.1	63.3
50%	61.0	55.6	49.3	45.7	46.0	49.3	53.0	55.8	59.3	62.7	61.7	62.8
60%	60.6	55.3	48.9	45.4	45.8	49.1	52.5	55.4	58.7	62.2	61.5	62.3
70%	60.0	55.1	48.3	45.1	45.6	48.8	51.9	55.1	58.3	61.9	61.0	61.9
80%	58.0	54.8	47.7	44.7	45.4	48.5	51.4	54.8	57.7	61.1	60.9	61.5
90%	57.4	54.2	47.3	44.4	45.1	48.1	51.0	54.2	57.4	60.5	59.6	60.7
Long Term												
Full Simulation Period[a]	60.4	55.5	49.4	45.8	46.2	49.4	53.1	56.6	60.0	62.7	61.8	62.7
Water Year Types[b,c]												
Wet (32%)	58.6	56.0	50.5	45.4	45.6	48.7	51.6	54.9	58.1	61.4	60.4	61.2
Above Normal (15%)	60.5	55.3	49.0	46.3	46.3	49.2	52.6	55.6	59.0	62.7	61.2	62.9
Below Normal (17%)	60.6	55.1	48.8	45.9	46.0	49.2	53.5	56.5	59.9	63.1	61.9	62.8
Dry (22%)	62.0	55.5	49.0	45.5	46.3	49.8	54.0	58.1	62.1	62.6	62.7	63.7
Critical (15%)	61.7	55.2	48.7	46.2	47.2	50.9	55.2	59.1	62.3	65.5	63.8	64.1

Table 6C-13-2b. American River below Nimbus Dam, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	62.7	56.6	51.6	47.2	47.4	50.6	55.7	60.0	64.0	65.2	63.6	64.5
20%	61.8	56.4	51.1	46.7	47.0	50.3	54.8	58.7	62.4	64.0	63.1	64.3
30%	61.6	56.2	50.2	46.3	46.6	49.9	54.2	57.3	61.6	63.6	62.5	63.8
40%	61.3	55.9	49.8	45.9	46.3	49.5	53.6	56.3	60.7	63.2	62.1	63.3
50%	61.0	55.6	49.5	45.7	46.1	49.3	53.0	55.8	59.3	62.8	61.7	62.8
60%	60.6	55.3	49.0	45.5	45.8	49.1	52.5	55.4	58.6	62.3	61.5	62.3
70%	59.8	55.0	48.4	45.1	45.6	48.8	51.9	55.1	58.3	61.8	61.0	61.9
80%	58.0	54.7	47.9	44.7	45.3	48.5	51.4	54.8	57.7	61.1	60.8	61.4
90%	57.4	54.1	47.3	44.4	45.1	48.1	51.0	54.2	57.4	60.4	59.6	60.7
Long Term												
Full Simulation Period[a]	60.4	55.5	49.5	45.8	46.2	49.4	53.2	56.6	60.1	62.8	61.7	62.7
Water Year Types[b,c]												
Wet (32%)	58.6	56.0	50.5	45.4	45.6	48.7	51.6	54.9	58.1	61.4	60.4	61.2
Above Normal (15%)	60.6	55.5	49.1	46.4	46.3	49.2	52.6	55.6	58.9	62.8	61.2	62.7
Below Normal (17%)	60.5	55.1	48.8	45.9	46.0	49.2	53.5	56.6	59.9	63.1	62.0	62.8
Dry (22%)	61.9	55.4	49.1	45.5	46.4	49.8	54.0	58.2	62.3	62.7	62.4	63.7
Critical (15%)	61.9	55.1	48.9	46.2	47.2	50.9	55.3	59.2	62.3	65.4	63.7	64.2

Table 6C-13-2c. American River below Nimbus Dam, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.5	0.2	-0.1	-0.1
20%	-0.2	0.0	0.1	0.0	0.0	0.1	-0.2	-0.1	0.0	0.2	-0.2	0.0
30%	-0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	-0.1	-0.1
40%	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	0.1	-0.1	0.0
50%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
60%	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
70%	-0.3	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
80%	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
90%	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	-0.1
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Dry (22%)	-0.1	-0.1	0.1	0.0	0.0	-0.1	0.0	0.1	0.2	0.1	-0.3	-0.1
Critical (15%)	0.1	0.0	0.2	0.0	0.0	0.0	0.1	0.1	0.1	-0.1	0.0	0.1

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-13-3a. American River below Nimbus Dam, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	62.7	56.6	51.6	47.3	47.4	50.7	55.7	60.0	63.6	65.0	63.7	64.6
20%	62.0	56.4	51.0	46.7	46.9	50.3	55.0	58.7	62.4	63.8	63.3	64.3
30%	61.7	56.2	50.1	46.2	46.5	49.9	54.1	57.3	61.5	63.5	62.7	63.9
40%	61.3	55.9	49.7	45.9	46.2	49.5	53.6	56.3	60.7	63.1	62.1	63.3
50%	61.0	55.6	49.3	45.7	46.0	49.3	53.0	55.8	59.3	62.7	61.7	62.8
60%	60.6	55.3	48.9	45.4	45.8	49.1	52.5	55.4	58.7	62.2	61.5	62.3
70%	60.0	55.1	48.3	45.1	45.6	48.8	51.9	55.1	58.3	61.9	61.0	61.9
80%	58.0	54.8	47.7	44.7	45.4	48.5	51.4	54.8	57.7	61.1	60.9	61.5
90%	57.4	54.2	47.3	44.4	45.1	48.1	51.0	54.2	57.4	60.5	59.6	60.7
Long Term												
Full Simulation Period[a]	60.4	55.5	49.4	45.8	46.2	49.4	53.1	56.6	60.0	62.7	61.8	62.7
Water Year Types[b,c]												
Wet (32%)	58.6	56.0	50.5	45.4	45.6	48.7	51.6	54.9	58.1	61.4	60.4	61.2
Above Normal (15%)	60.5	55.3	49.0	46.3	46.3	49.2	52.6	55.6	59.0	62.7	61.2	62.9
Below Normal (17%)	60.6	55.1	48.8	45.9	46.0	49.2	53.5	56.5	59.9	63.1	61.9	62.8
Dry (22%)	62.0	55.5	49.0	45.5	46.3	49.8	54.0	58.1	62.1	62.6	62.7	63.7
Critical (15%)	61.7	55.2	48.7	46.2	47.2	50.9	55.2	59.1	62.3	65.5	63.8	64.1

Table 6C-13-3b. American River below Nimbus Dam, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	62.6	56.7	51.6	47.2	47.4	50.6	55.7	60.0	63.7	65.0	63.7	64.6
20%	61.9	56.4	51.0	46.7	47.0	50.4	54.9	59.0	62.5	63.9	63.1	64.4
30%	61.7	56.2	50.1	46.2	46.5	49.9	54.1	57.4	61.6	63.5	62.5	63.8
40%	61.3	55.9	49.8	45.9	46.2	49.5	53.6	56.3	60.8	63.1	62.0	63.3
50%	61.0	55.6	49.4	45.7	46.1	49.3	53.0	55.8	59.2	62.7	61.7	63.0
60%	60.6	55.3	48.9	45.4	45.8	49.1	52.5	55.4	58.6	62.2	61.5	62.3
70%	59.8	55.1	48.3	45.1	45.6	48.8	51.9	55.1	58.3	61.8	61.1	61.9
80%	58.0	54.8	47.8	44.7	45.3	48.5	51.4	54.8	57.7	61.1	60.9	61.5
90%	57.4	54.2	47.3	44.4	45.1	48.1	51.0	54.2	57.4	60.5	59.6	60.7
Long Term												
Full Simulation Period[a]	60.4	55.5	49.4	45.7	46.2	49.4	53.2	56.6	60.1	62.8	61.7	62.7
Water Year Types[b,c]												
Wet (32%)	58.6	56.0	50.5	45.4	45.6	48.7	51.6	54.9	58.1	61.4	60.4	61.2
Above Normal (15%)	60.5	55.3	49.0	46.3	46.3	49.2	52.6	55.6	58.9	62.7	61.3	62.9
Below Normal (17%)	60.6	55.1	48.8	45.9	46.0	49.2	53.5	56.6	59.9	63.1	62.0	62.8
Dry (22%)	61.9	55.6	49.1	45.5	46.3	49.8	54.0	58.2	62.2	62.8	62.4	63.7
Critical (15%)	61.8	55.1	48.8	46.2	47.1	50.9	55.3	59.2	62.4	65.4	63.8	64.2

Table 6C-13-3c. American River below Nimbus Dam, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0
20%	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.1	-0.1	0.1
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	-0.2	-0.1
40%	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.2	0.0	-0.1	0.0
50%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.2
60%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
80%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	-0.3	0.0
Critical (15%)	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	-0.1	0.0	0.1

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-13-4a. American River below Nimbus Dam, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	62.7	56.6	51.6	47.3	47.4	50.7	55.7	60.0	63.6	65.0	63.7	64.6
20%	62.0	56.4	51.0	46.7	46.9	50.3	55.0	58.7	62.4	63.8	63.3	64.3
30%	61.7	56.2	50.1	46.2	46.5	49.9	54.1	57.3	61.5	63.5	62.7	63.9
40%	61.3	55.9	49.7	45.9	46.2	49.5	53.6	56.3	60.7	63.1	62.1	63.3
50%	61.0	55.6	49.3	45.7	46.0	49.3	53.0	55.8	59.3	62.7	61.7	62.8
60%	60.6	55.3	48.9	45.4	45.8	49.1	52.5	55.4	58.7	62.2	61.5	62.3
70%	60.0	55.1	48.3	45.1	45.6	48.8	51.9	55.1	58.3	61.9	61.0	61.9
80%	58.0	54.8	47.7	44.7	45.4	48.5	51.4	54.8	57.7	61.1	60.9	61.5
90%	57.4	54.2	47.3	44.4	45.1	48.1	51.0	54.2	57.4	60.5	59.6	60.7
Long Term												
Full Simulation Period[a]	60.4	55.5	49.4	45.8	46.2	49.4	53.1	56.6	60.0	62.7	61.8	62.7
Water Year Types[b,c]												
Wet (32%)	58.6	56.0	50.5	45.4	45.6	48.7	51.6	54.9	58.1	61.4	60.4	61.2
Above Normal (15%)	60.5	55.3	49.0	46.3	46.3	49.2	52.6	55.6	59.0	62.7	61.2	62.9
Below Normal (17%)	60.6	55.1	48.8	45.9	46.0	49.2	53.5	56.5	59.9	63.1	61.9	62.8
Dry (22%)	62.0	55.5	49.0	45.5	46.3	49.8	54.0	58.1	62.1	62.6	62.7	63.7
Critical (15%)	61.7	55.2	48.7	46.2	47.2	50.9	55.2	59.1	62.3	65.5	63.8	64.1

Table 6C-13-4b. American River below Nimbus Dam, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	62.6	56.7	51.7	47.2	47.4	50.7	55.4	60.1	63.8	65.2	63.5	64.9
20%	61.8	56.4	51.0	46.7	47.0	50.3	54.7	59.1	62.3	63.9	62.7	64.3
30%	61.7	56.2	50.2	46.3	46.6	50.0	54.2	57.2	61.5	63.5	62.5	63.8
40%	61.3	56.0	49.8	46.1	46.3	49.5	53.6	56.3	60.6	63.1	62.1	63.1
50%	60.9	55.6	49.4	45.9	46.1	49.2	53.0	55.8	59.2	62.6	61.9	62.5
60%	60.3	55.4	49.1	45.5	45.8	49.1	52.4	55.4	58.6	62.3	61.5	62.1
70%	59.6	55.1	48.7	45.2	45.6	48.8	51.9	55.0	58.3	61.8	61.1	61.9
80%	58.0	54.8	47.9	44.9	45.4	48.6	51.4	54.8	57.7	61.1	60.9	61.2
90%	57.4	54.5	47.5	44.4	45.2	48.1	51.0	54.2	57.4	60.5	59.6	60.6
Long Term												
Full Simulation Period[a]	60.4	55.6	49.5	45.8	46.2	49.4	53.1	56.6	60.0	62.7	61.7	62.6
Water Year Types[b,c]												
Wet (32%)	58.6	56.0	50.5	45.5	45.7	48.7	51.6	54.9	58.1	61.4	60.4	61.2
Above Normal (15%)	60.3	55.6	49.3	46.4	46.3	49.2	52.6	55.6	58.8	62.9	61.3	62.6
Below Normal (17%)	60.4	55.2	49.1	45.9	46.0	49.2	53.5	56.5	59.8	62.9	62.0	62.8
Dry (22%)	61.8	55.6	49.3	45.8	46.5	49.8	54.0	58.2	62.1	62.8	62.3	63.5
Critical (15%)	62.0	55.2	48.6	46.1	47.2	50.9	55.0	59.3	62.4	65.2	63.7	64.1

Table 6C-13-4c. American River below Nimbus Dam, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	0.0	0.1	0.0	0.0	0.0	-0.3	0.1	0.2	0.2	-0.1	0.3
20%	-0.2	0.0	0.1	0.0	0.1	0.1	-0.3	0.4	0.0	0.1	-0.5	0.0
30%	0.0	0.0	0.1	0.1	0.1	0.0	0.1	-0.1	0.1	0.0	-0.2	-0.1
40%	0.0	0.1	0.0	0.1	0.1	0.0	0.1	0.0	-0.1	0.0	0.0	-0.2
50%	-0.1	0.0	0.1	0.2	0.0	0.0	0.0	0.0	-0.1	-0.1	0.2	-0.3
60%	-0.3	0.1	0.2	0.2	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	-0.1
70%	-0.5	0.0	0.4	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0
80%	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
90%	0.0	0.3	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	-0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	-0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.2	0.3	0.3	0.1	0.0	0.0	0.0	0.0	-0.2	0.3	0.0	-0.3
Below Normal (17%)	-0.3	0.1	0.3	0.1	0.0	0.0	0.0	0.0	-0.1	-0.2	0.1	0.0
Dry (22%)	-0.2	0.1	0.3	0.3	0.1	0.0	0.0	0.1	0.0	0.2	-0.4	-0.2
Critical (15%)	0.2	0.0	-0.1	0.0	0.0	0.0	-0.2	0.2	0.1	-0.3	-0.1	0.0

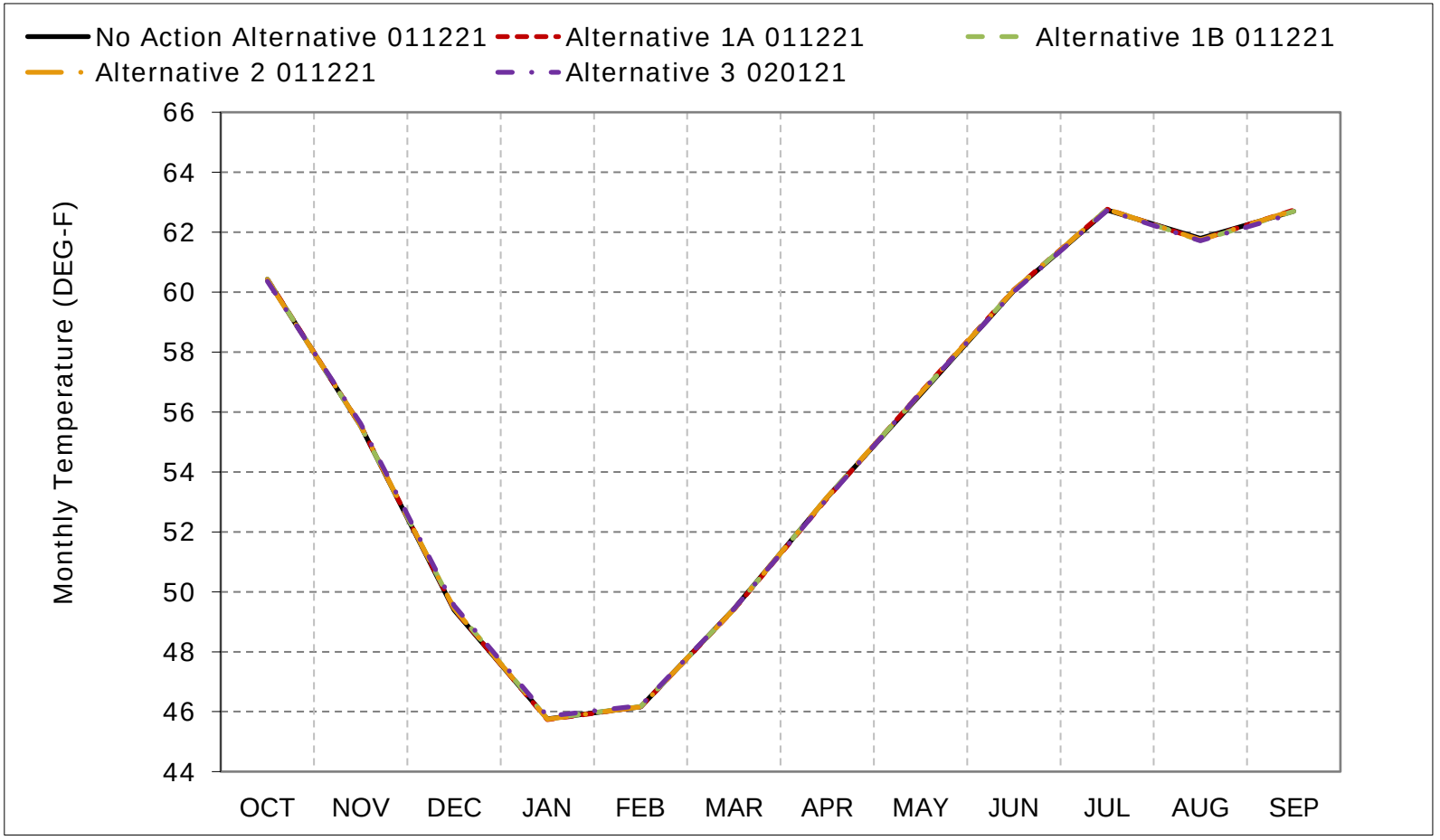
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

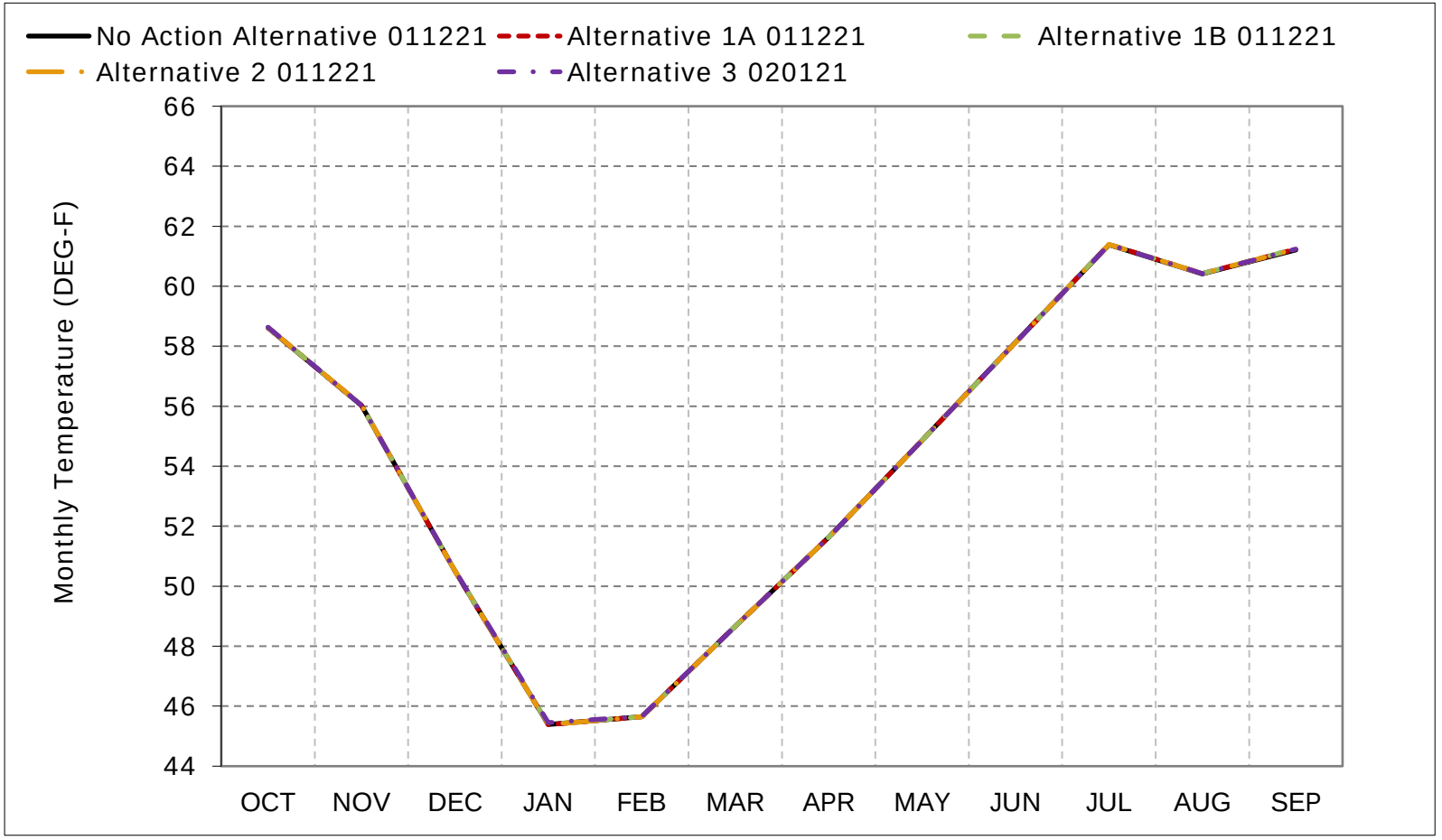
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-13-1. American River below Nimbus Dam, Long-Term Average Temperature



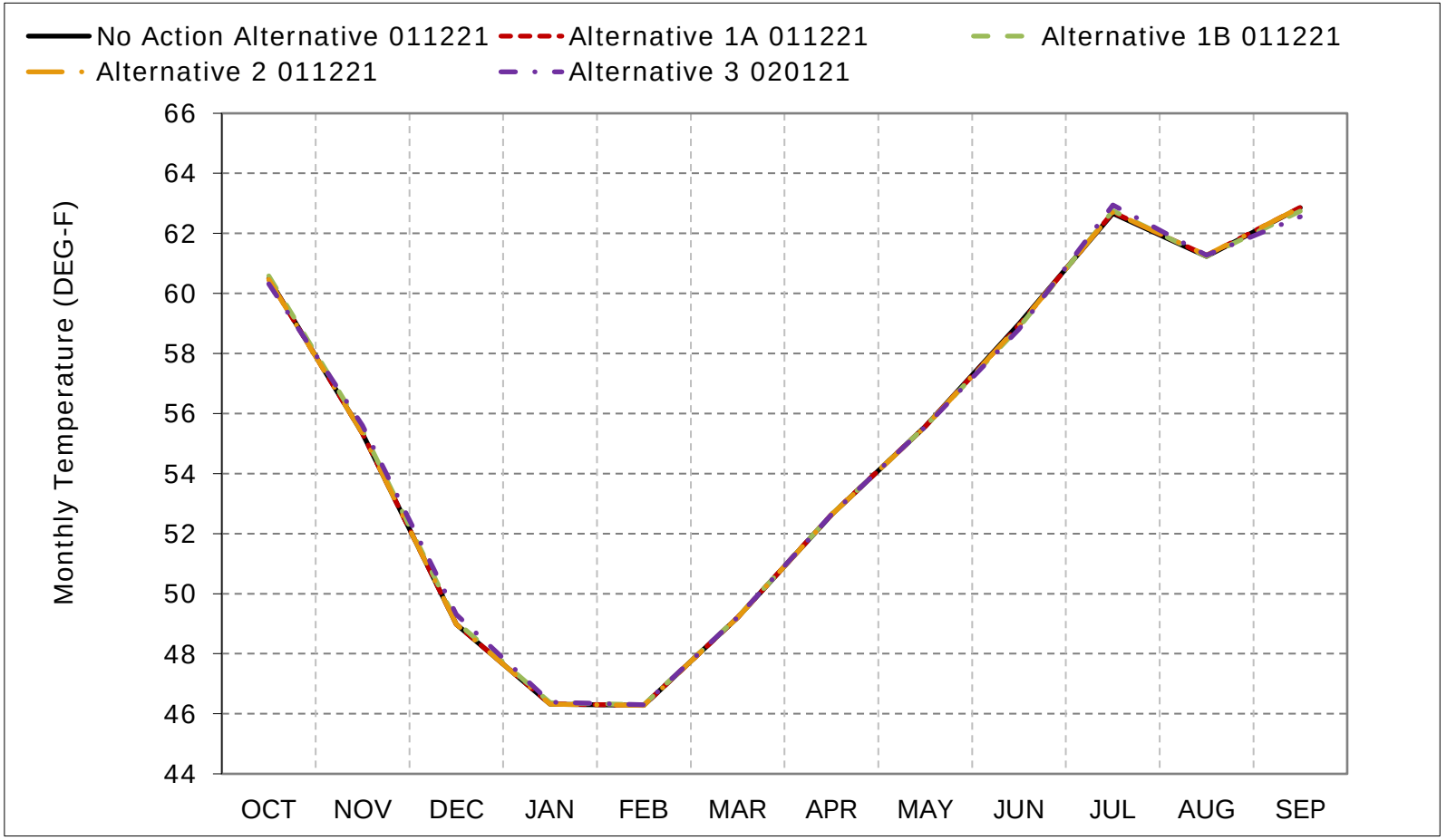
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-13-2. American River below Nimbus Dam, Wet Year Average Temperature



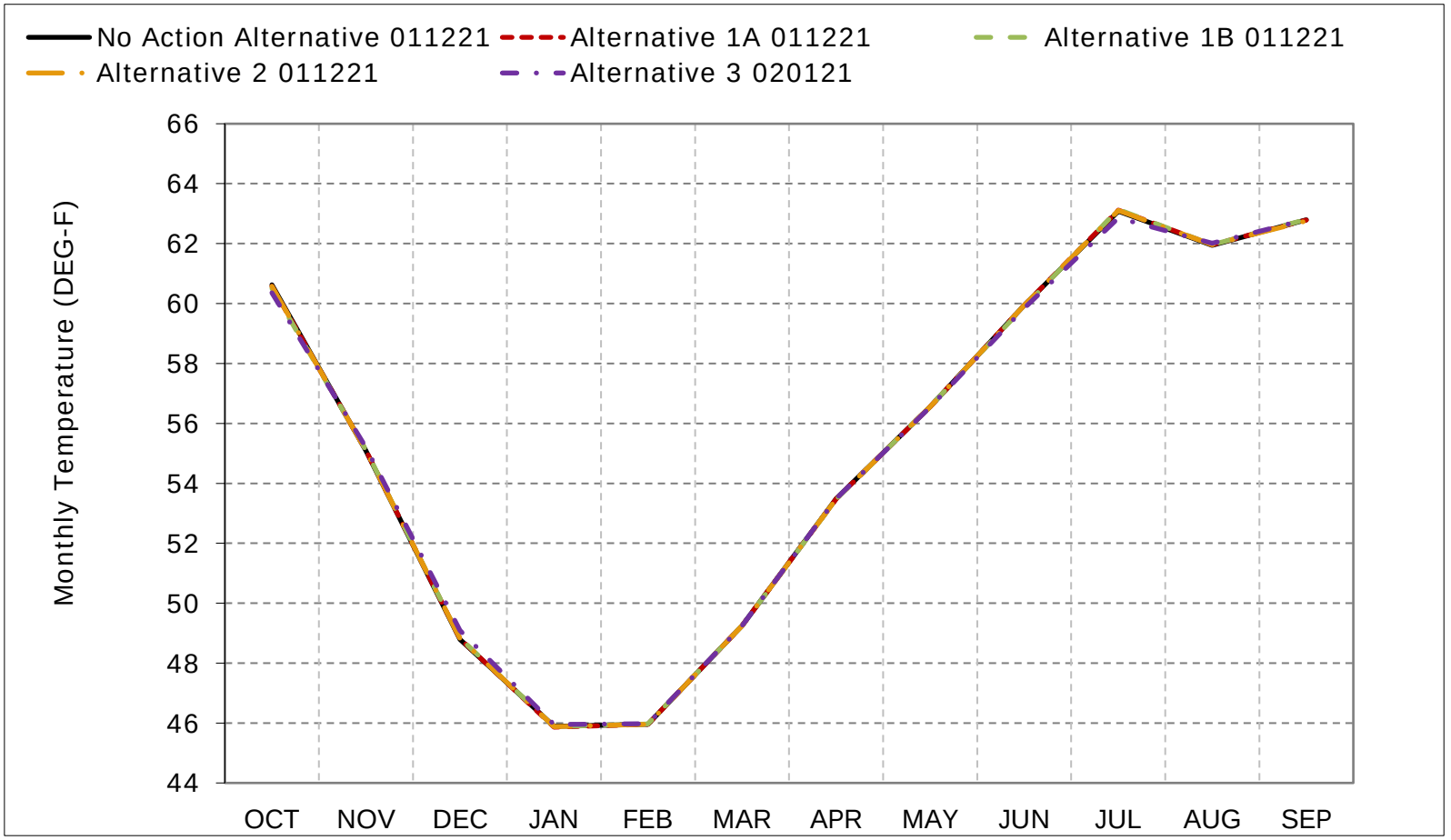
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-13-3. American River below Nimbus Dam, Above Normal Year Average Temperat



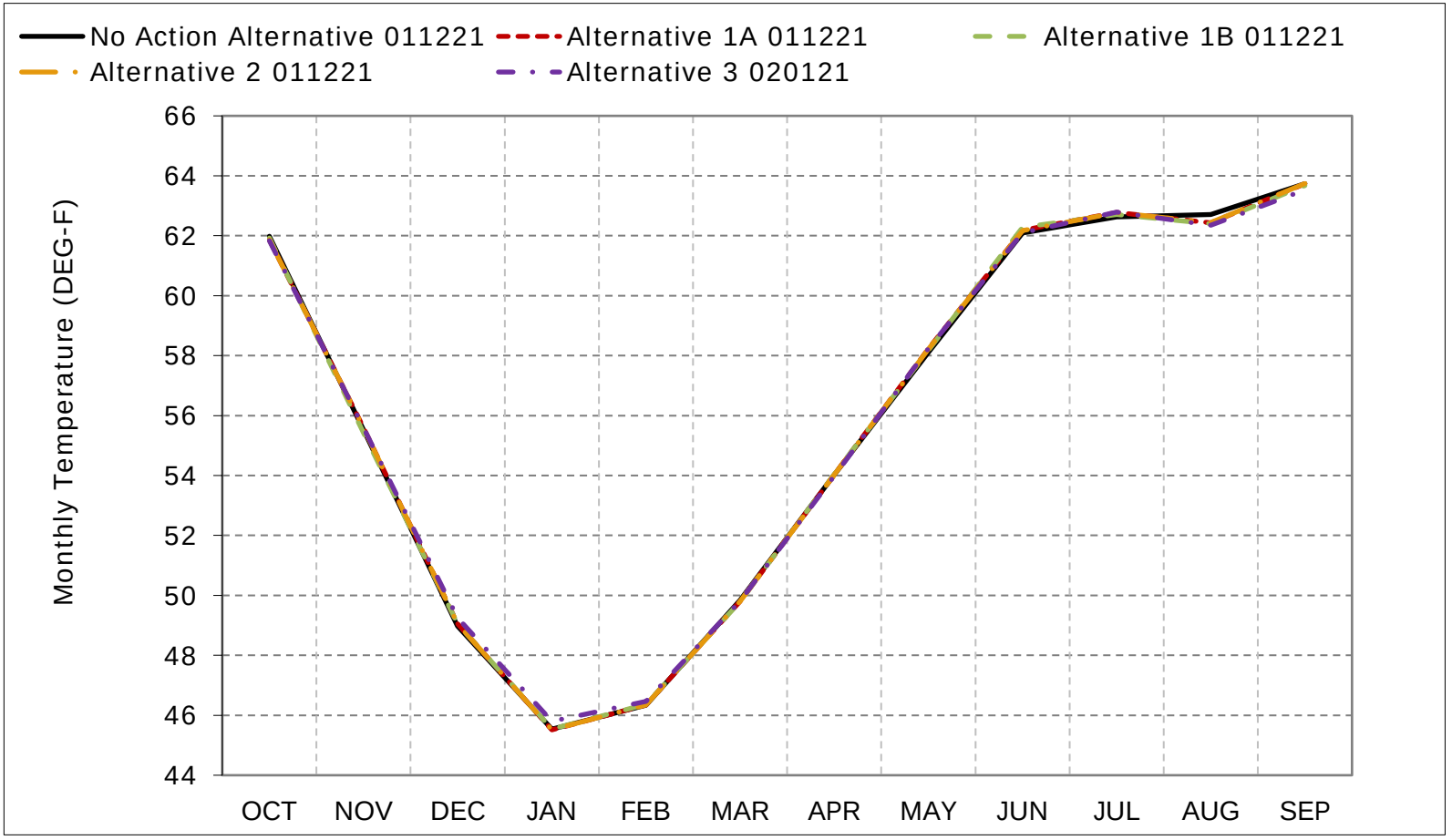
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-13-4. American River below Nimbus Dam, Below Normal Year Average Temperat



*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-13-5. American River below Nimbus Dam, Dry Year Average Temperature

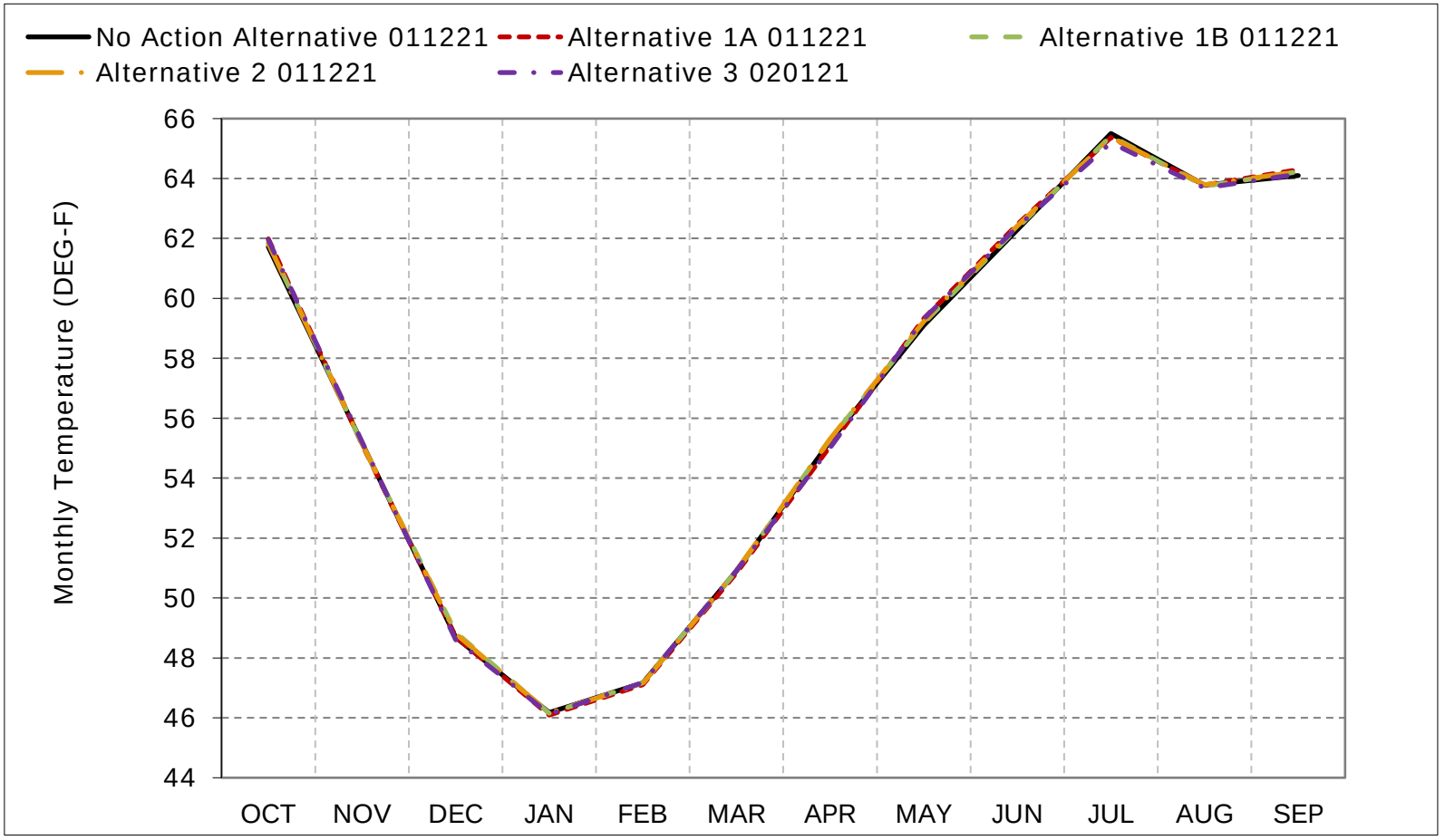


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

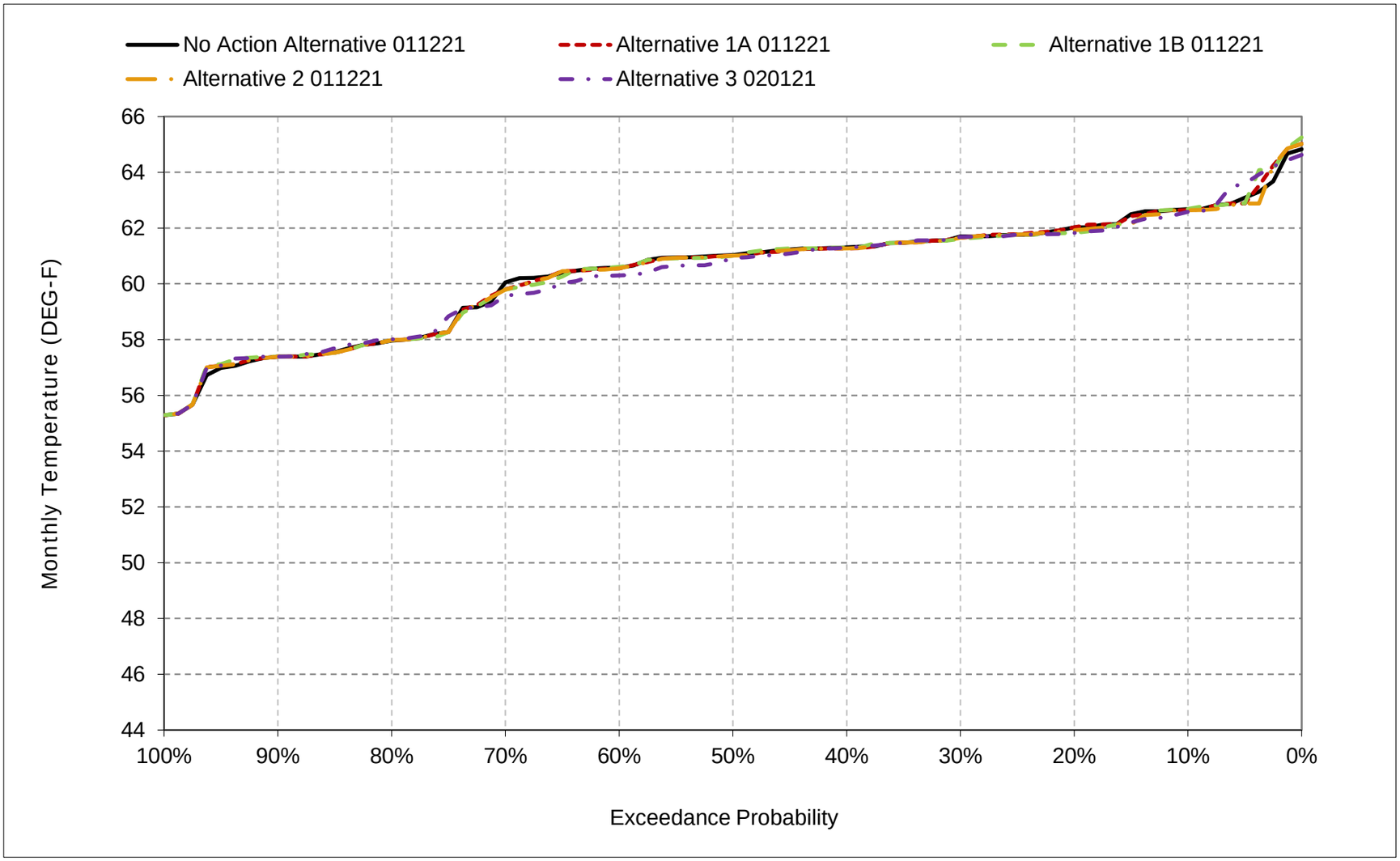
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-13-6. American River below Nimbus Dam, Critical Year Average Temperature



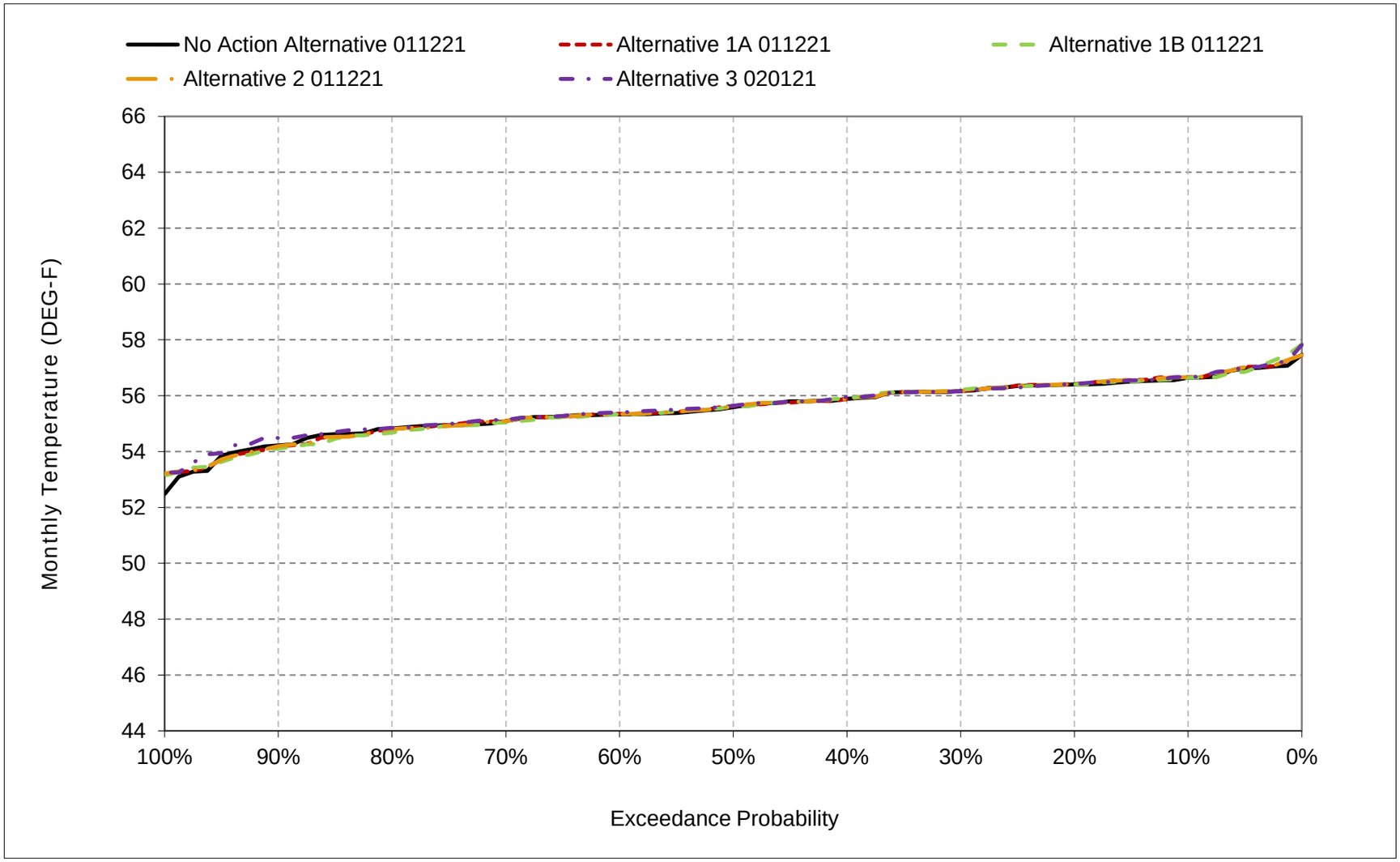
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-13-7. American River below Nimbus Dam, October



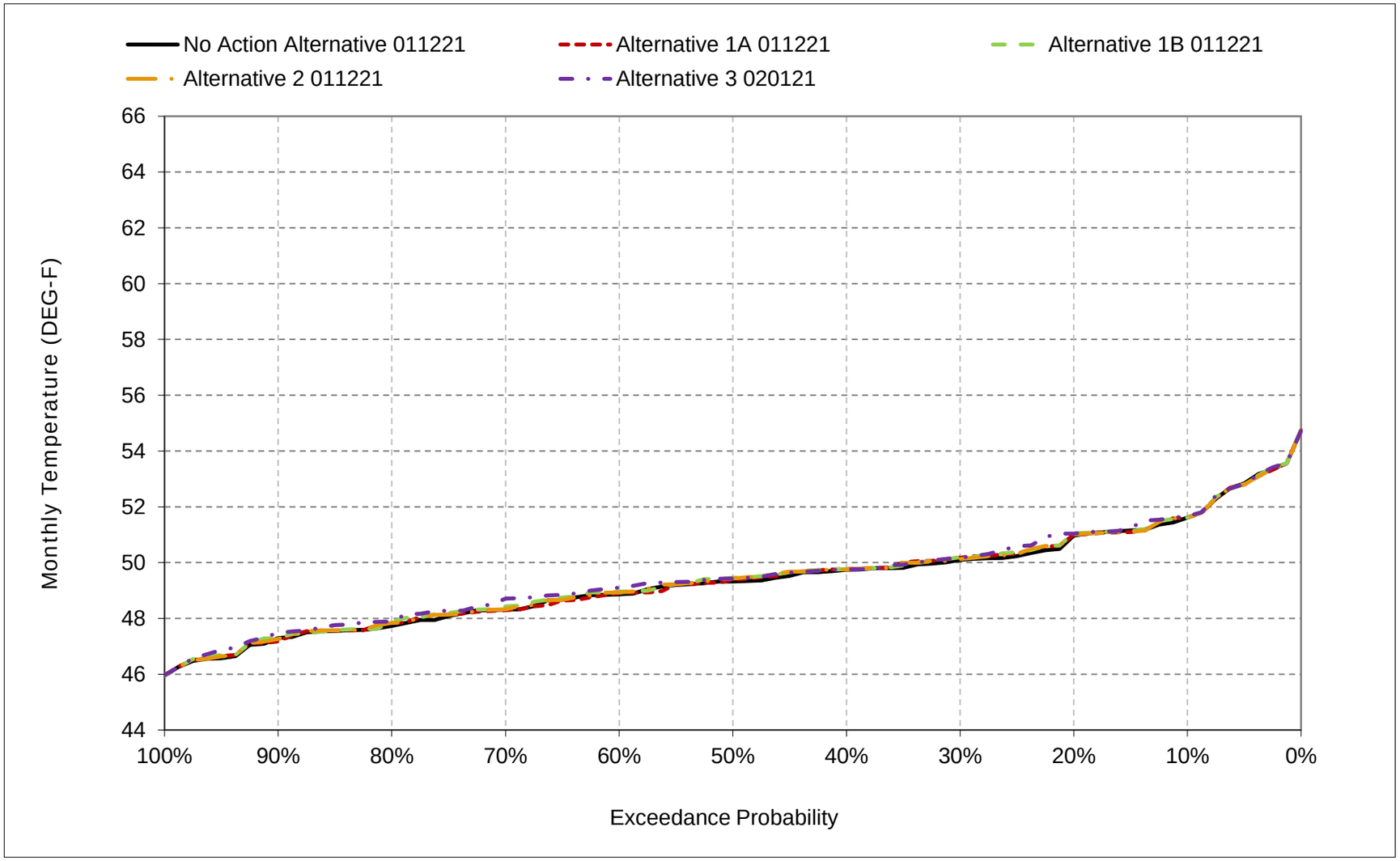
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-13-8. American River below Nimbus Dam, November



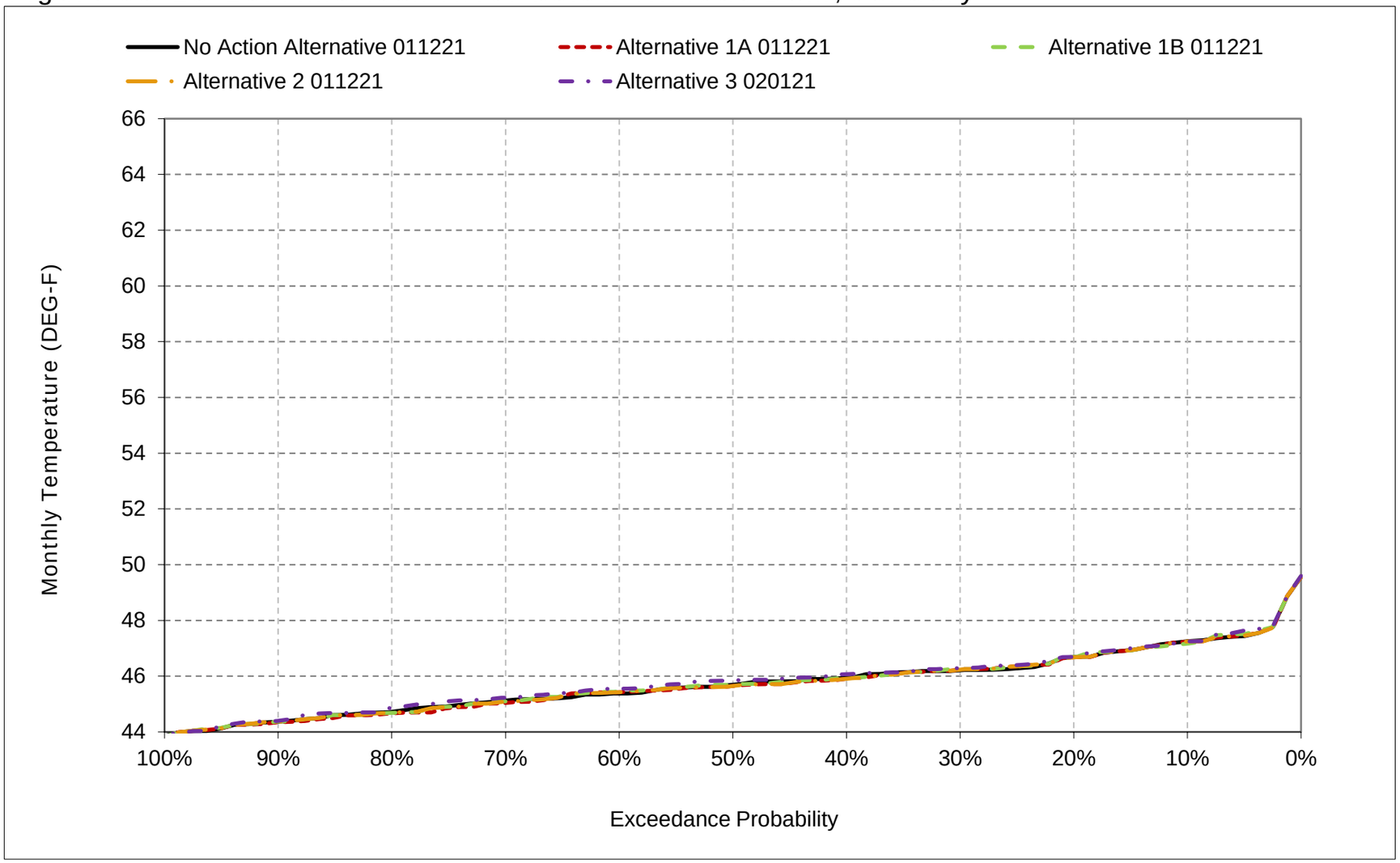
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-13-9. American River below Nimbus Dam, December



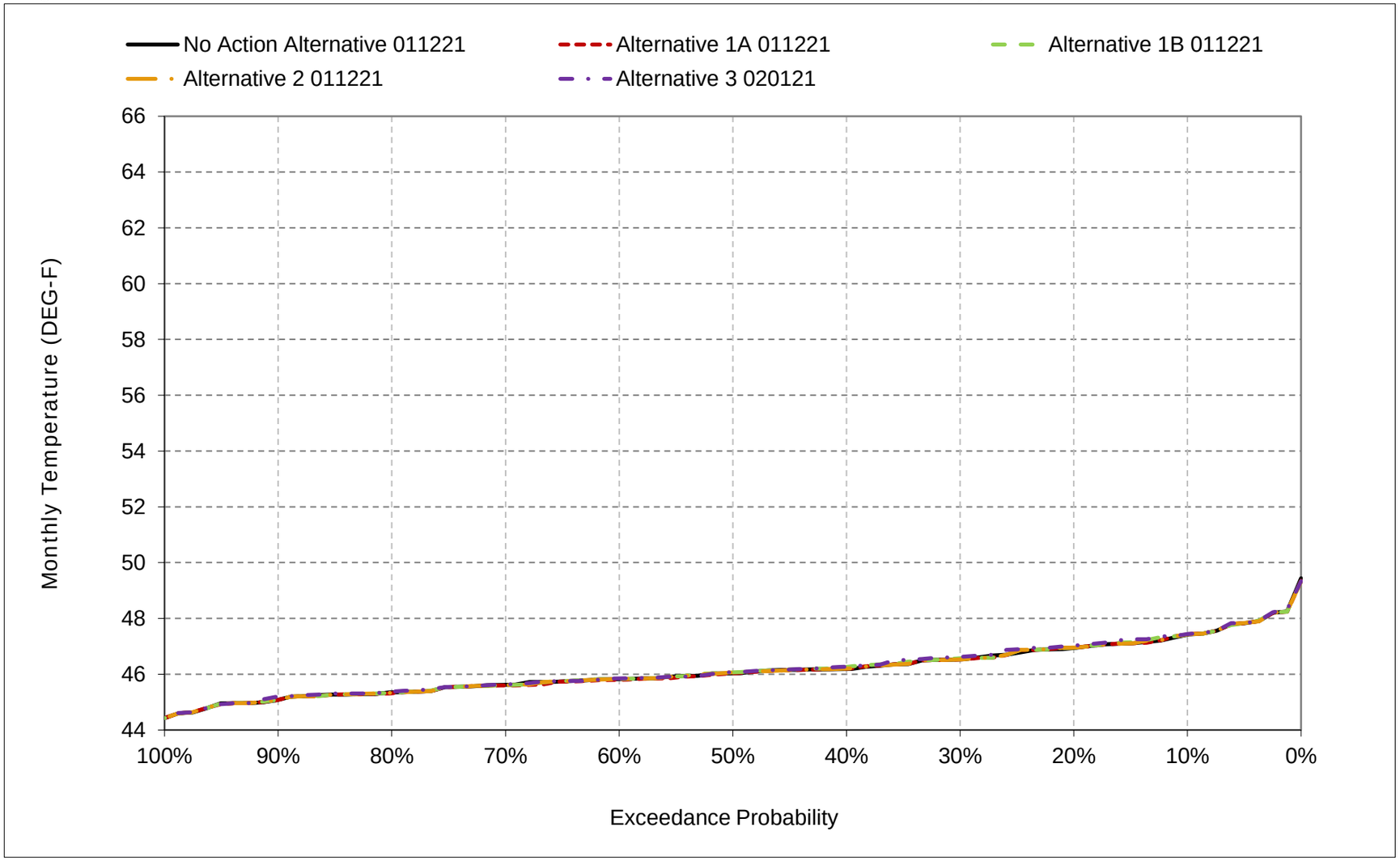
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-13-10. American River below Nimbus Dam, January



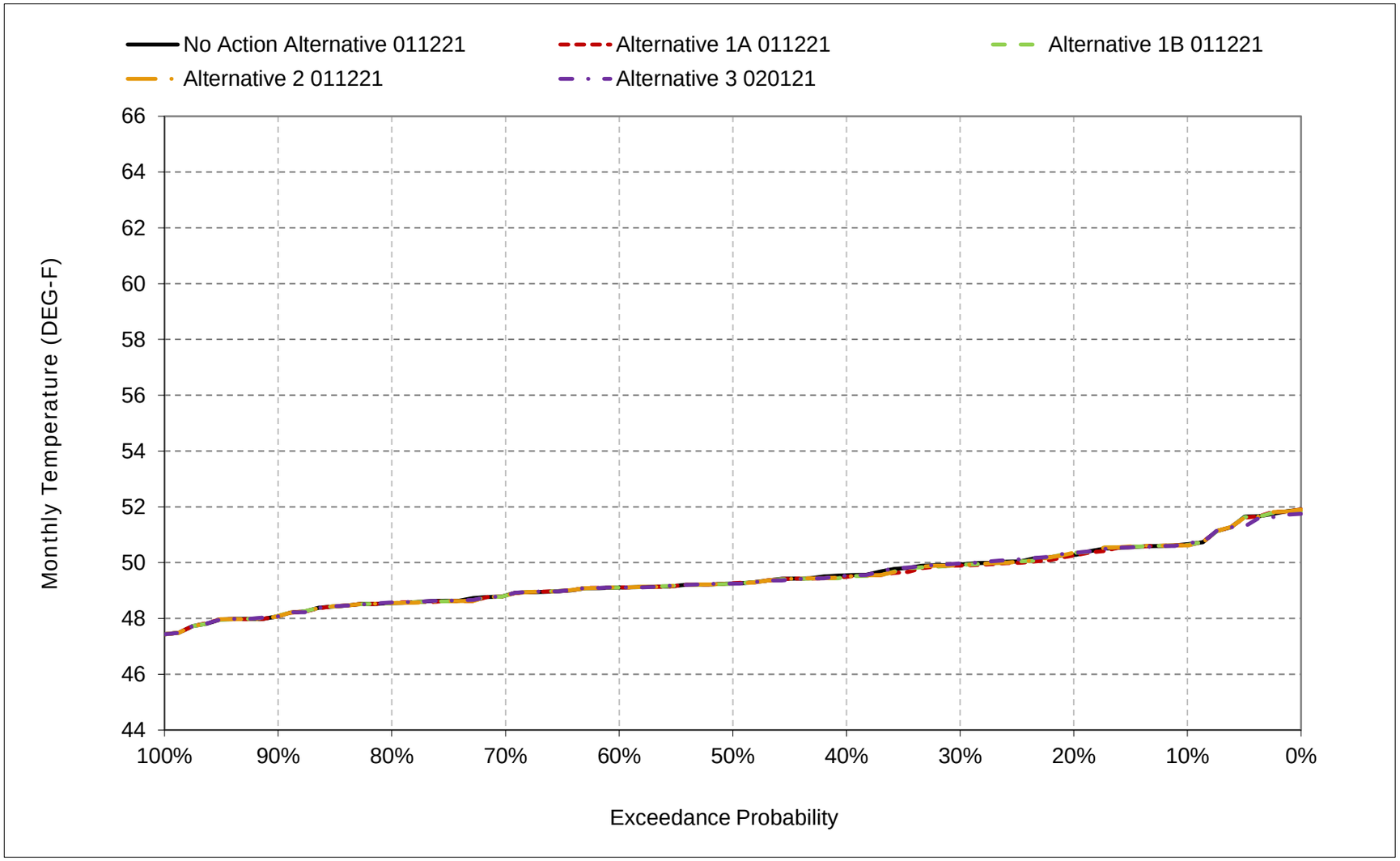
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-13-11. American River below Nimbus Dam, February



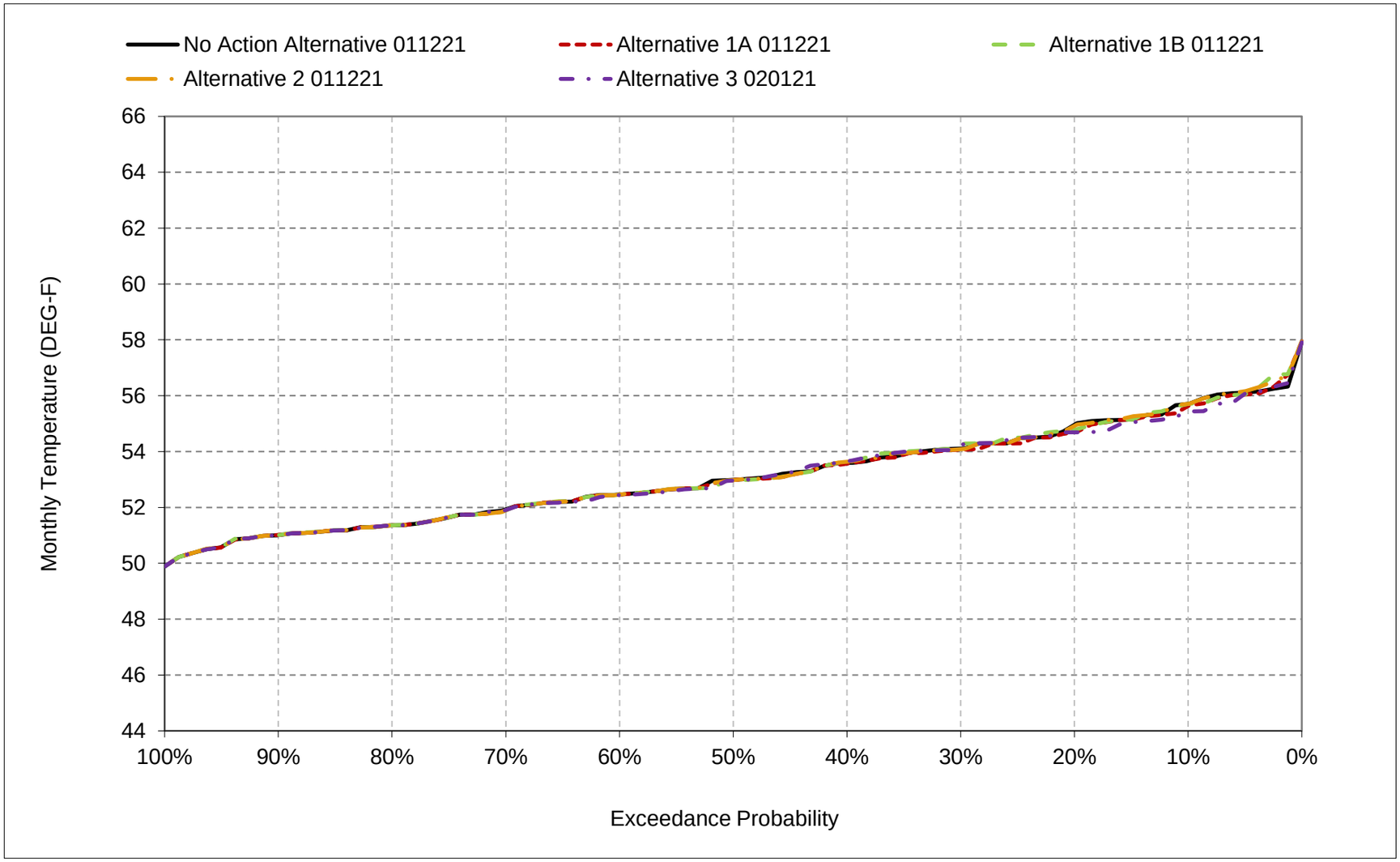
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-13-12. American River below Nimbus Dam, March



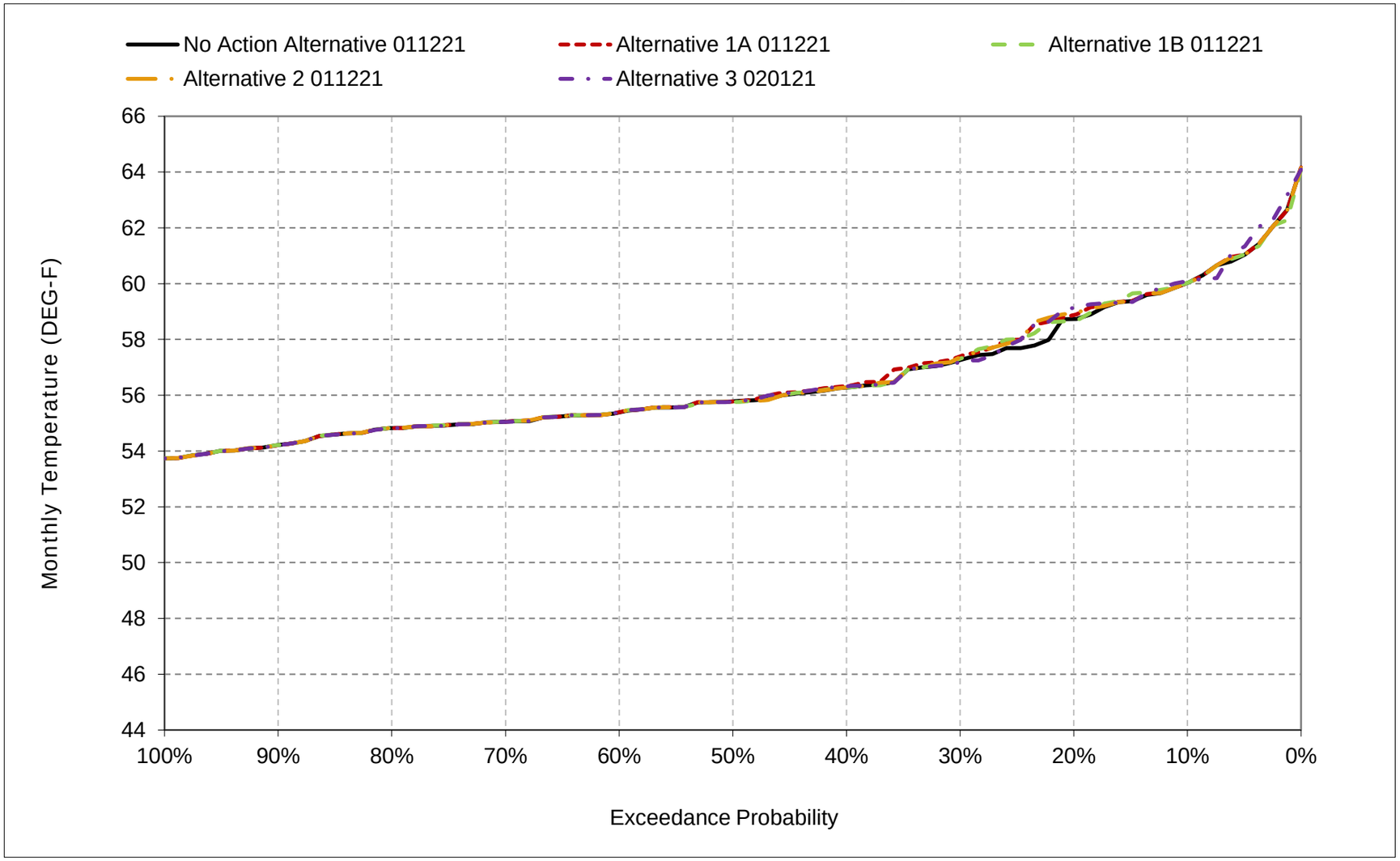
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-13-13. American River below Nimbus Dam, April



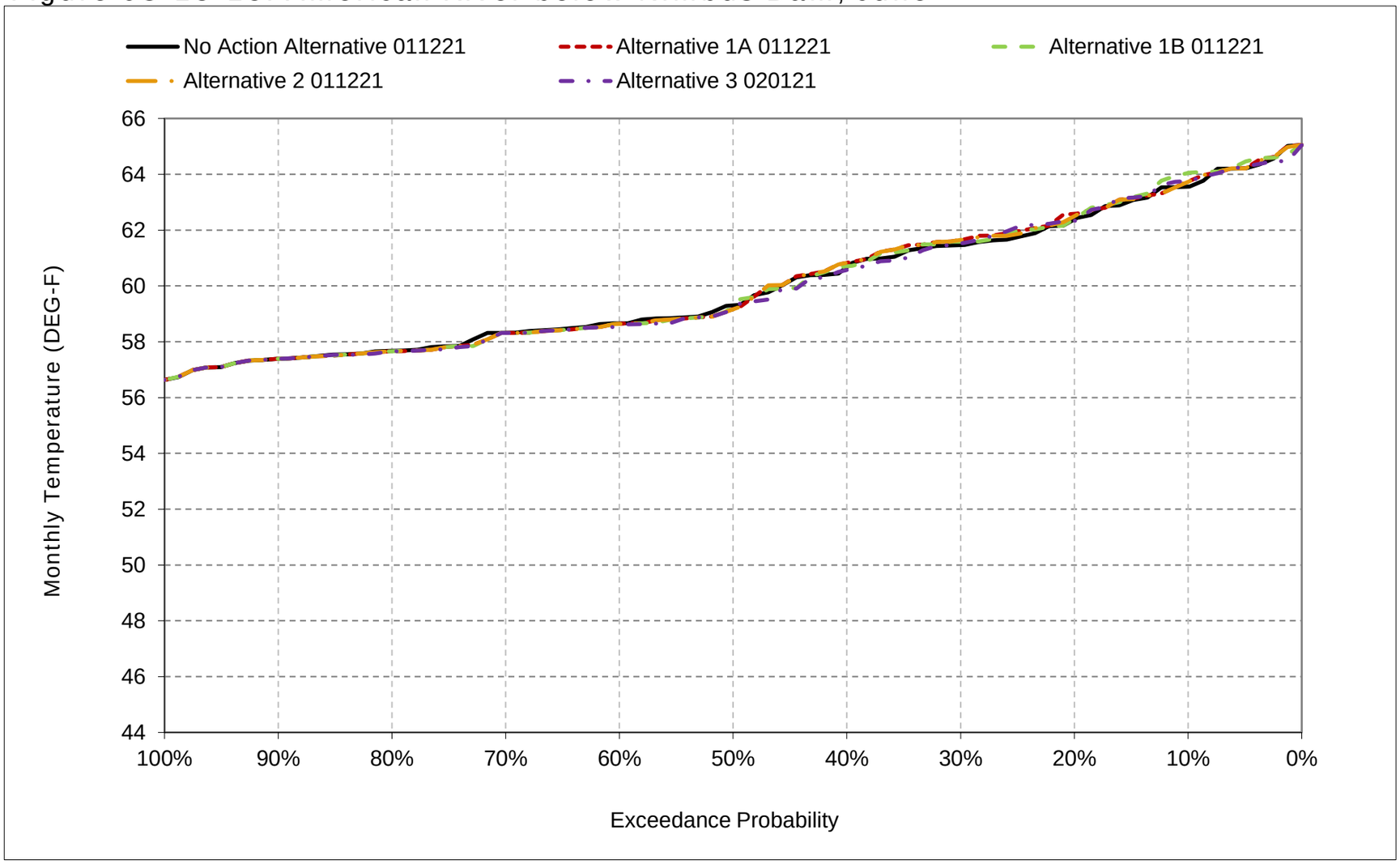
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-13-14. American River below Nimbus Dam, May



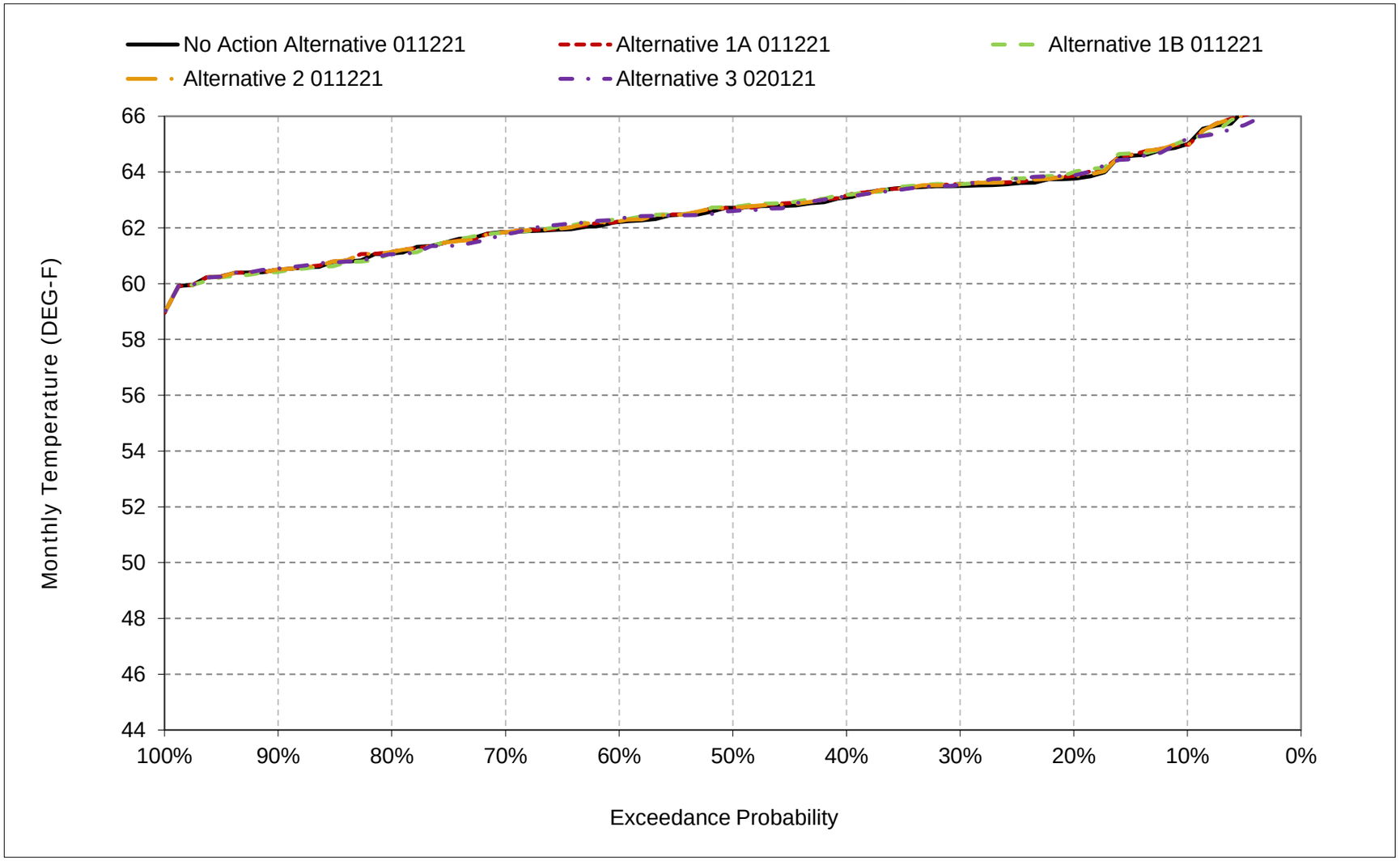
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-13-15. American River below Nimbus Dam, June



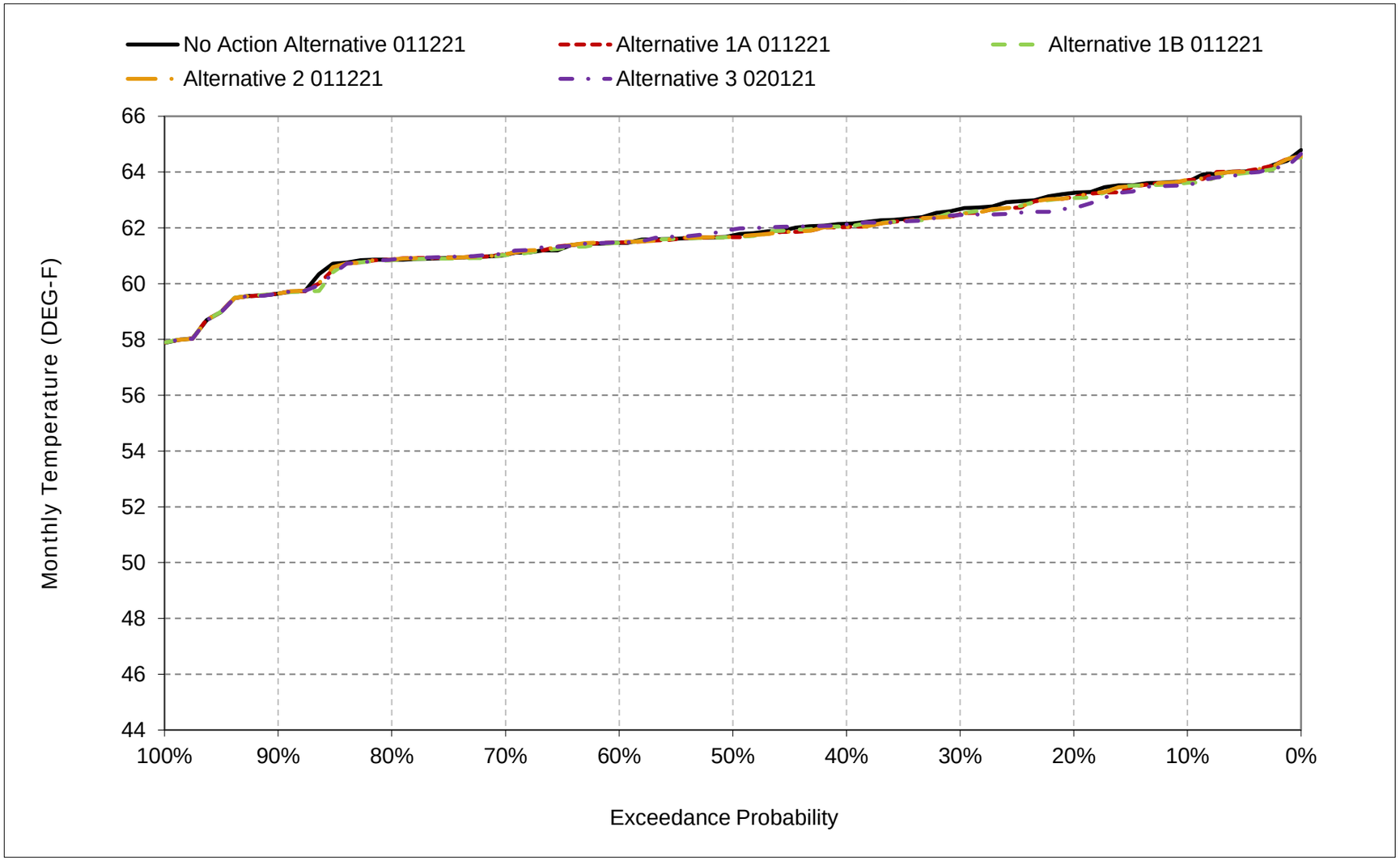
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-13-16. American River below Nimbus Dam, July



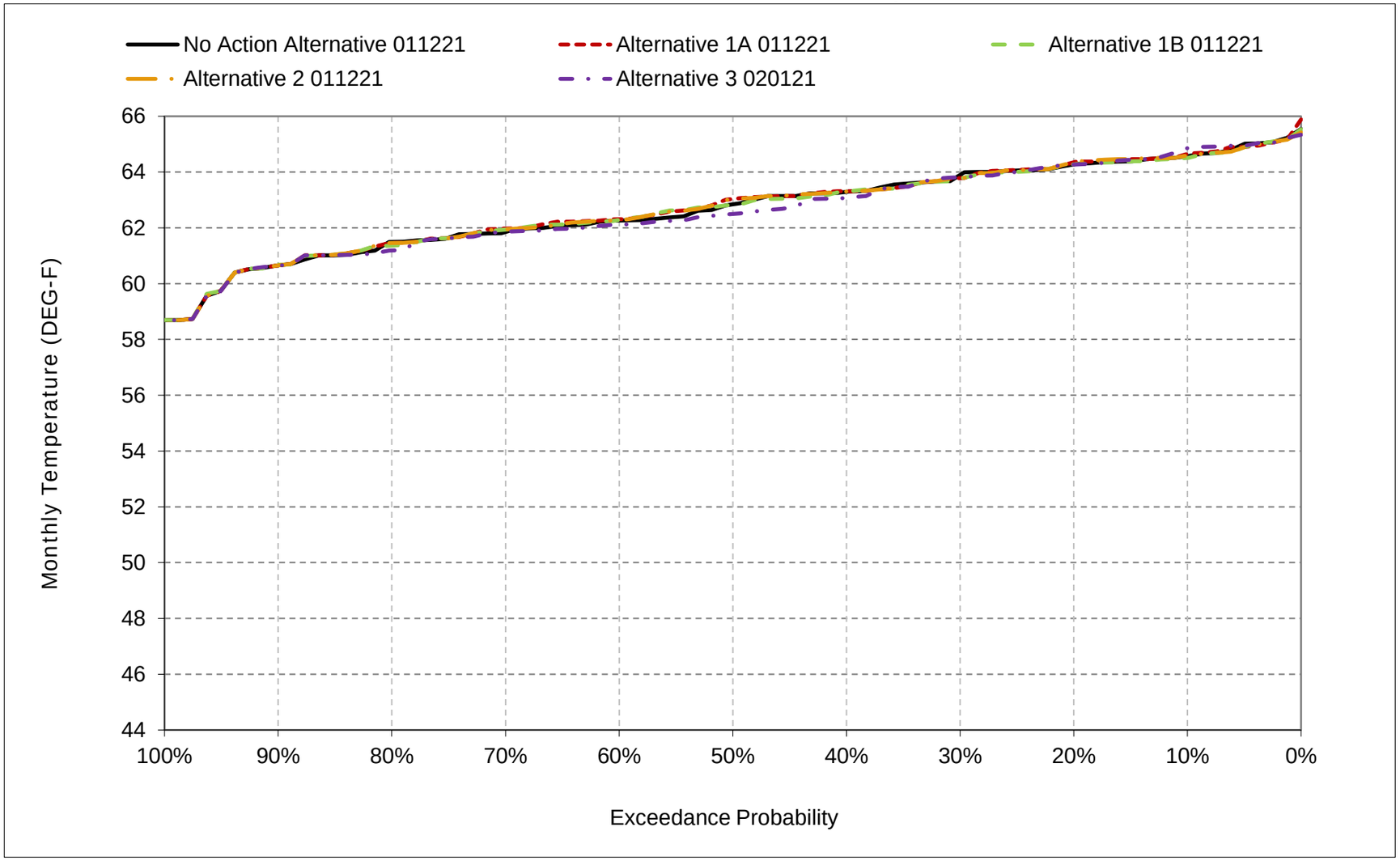
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-13-17. American River below Nimbus Dam, August



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

Figure 6C-13-18. American River below Nimbus Dam, September



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

Table 6C-14-1a. American River at Watt Avenue, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	64.0	56.8	51.1	47.6	49.0	54.0	60.0	65.0	69.7	70.7	69.5	68.1
20%	63.3	56.3	50.5	46.9	48.3	53.3	58.6	63.3	67.7	67.9	67.9	67.3
30%	62.7	56.1	49.8	46.6	47.7	52.4	57.8	61.9	65.3	67.0	66.8	66.5
40%	62.1	56.0	49.4	46.3	47.4	51.9	57.1	59.7	64.4	66.2	66.4	65.5
50%	61.9	55.6	49.2	46.1	47.0	51.3	56.1	58.5	63.5	65.9	65.5	65.1
60%	61.7	55.4	48.7	45.8	46.7	50.8	54.7	57.6	62.3	65.4	65.1	64.6
70%	61.0	55.1	48.2	45.5	46.4	50.5	54.1	57.3	61.6	65.3	64.6	64.2
80%	59.5	54.7	47.6	45.1	46.1	50.0	53.0	56.9	61.0	65.0	64.1	63.9
90%	58.7	54.3	47.1	44.8	45.7	49.5	52.6	55.9	60.0	64.5	62.8	63.2
Long Term												
Full Simulation Period[a]	61.6	55.6	49.1	46.1	47.2	51.6	56.1	59.8	64.2	66.7	65.9	65.4
Water Year Types[b,c]												
Wet (32%)	59.9	56.0	50.2	45.7	46.3	50.1	53.5	57.0	61.0	64.9	63.8	63.8
Above Normal (15%)	61.5	55.2	48.8	46.6	47.1	50.8	54.9	58.2	62.9	65.8	65.0	64.8
Below Normal (17%)	61.5	55.1	48.6	46.2	46.8	51.5	56.5	59.5	64.1	65.9	66.0	65.0
Dry (22%)	63.0	55.6	48.7	46.0	47.7	52.5	57.9	62.1	66.5	67.1	67.0	66.4
Critical (15%)	63.4	55.5	48.4	46.6	49.0	54.3	59.5	64.3	68.7	71.5	69.6	68.3

Table 6C-14-1b. American River at Watt Avenue, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	64.2	56.9	51.1	47.6	49.0	54.0	59.9	65.0	69.7	70.6	69.6	68.1
20%	63.2	56.5	50.5	46.9	48.3	53.2	58.5	63.6	67.8	68.3	67.6	67.3
30%	62.7	56.1	49.8	46.5	47.8	52.4	57.7	61.9	65.8	67.1	66.7	66.6
40%	62.1	55.9	49.4	46.2	47.4	51.9	57.1	59.7	64.4	66.4	66.4	65.4
50%	61.8	55.6	49.2	46.1	47.0	51.3	56.1	58.5	63.7	66.0	65.6	65.1
60%	61.6	55.4	48.6	45.8	46.7	50.8	54.7	57.6	62.0	65.5	65.1	64.7
70%	60.7	55.1	48.1	45.5	46.4	50.5	54.1	57.3	61.6	65.3	64.6	64.2
80%	59.5	54.7	47.6	45.1	46.1	50.1	53.0	56.9	61.0	65.0	64.2	63.8
90%	58.7	54.2	47.2	44.8	45.7	49.5	52.6	55.9	60.0	64.6	62.8	63.4
Long Term												
Full Simulation Period[a]	61.6	55.6	49.2	46.1	47.2	51.5	56.1	59.8	64.2	66.7	65.9	65.4
Water Year Types[b,c]												
Wet (32%)	59.9	56.0	50.2	45.7	46.3	50.1	53.5	57.1	61.0	64.9	63.8	63.9
Above Normal (15%)	61.4	55.3	48.8	46.6	47.1	50.8	54.9	58.2	62.9	65.9	65.0	64.8
Below Normal (17%)	61.5	55.1	48.6	46.2	46.8	51.5	56.5	59.5	64.1	66.0	66.0	65.0
Dry (22%)	62.9	55.6	48.8	46.0	47.7	52.4	58.0	62.1	66.6	67.3	66.8	66.4
Critical (15%)	63.5	55.5	48.5	46.6	49.1	54.1	59.4	64.5	68.9	71.5	69.7	68.4

Table 6C-14-1c. American River at Watt Avenue, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0
20%	-0.1	0.1	0.0	0.0	0.0	-0.1	-0.1	0.3	0.1	0.4	-0.3	0.0
30%	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	0.5	0.1	-0.1	0.0
40%	0.0	-0.1	0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.2	0.0	-0.1
50%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0
60%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.1	0.0	0.1
70%	-0.3	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1
90%	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Dry (22%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	-0.1	0.0
Critical (15%)	0.2	0.0	0.0	-0.1	0.0	-0.2	-0.1	0.2	0.2	0.0	0.1	0.1

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-14-2a. American River at Watt Avenue, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	64.0	56.8	51.1	47.6	49.0	54.0	60.0	65.0	69.7	70.7	69.5	68.1
20%	63.3	56.3	50.5	46.9	48.3	53.3	58.6	63.3	67.7	67.9	67.9	67.3
30%	62.7	56.1	49.8	46.6	47.7	52.4	57.8	61.9	65.3	67.0	66.8	66.5
40%	62.1	56.0	49.4	46.3	47.4	51.9	57.1	59.7	64.4	66.2	66.4	65.5
50%	61.9	55.6	49.2	46.1	47.0	51.3	56.1	58.5	63.5	65.9	65.5	65.1
60%	61.7	55.4	48.7	45.8	46.7	50.8	54.7	57.6	62.3	65.4	65.1	64.6
70%	61.0	55.1	48.2	45.5	46.4	50.5	54.1	57.3	61.6	65.3	64.6	64.2
80%	59.5	54.7	47.6	45.1	46.1	50.0	53.0	56.9	61.0	65.0	64.1	63.9
90%	58.7	54.3	47.1	44.8	45.7	49.5	52.6	55.9	60.0	64.5	62.8	63.2
Long Term												
Full Simulation Period[a]	61.6	55.6	49.1	46.1	47.2	51.6	56.1	59.8	64.2	66.7	65.9	65.4
Water Year Types[b,c]												
Wet (32%)	59.9	56.0	50.2	45.7	46.3	50.1	53.5	57.0	61.0	64.9	63.8	63.8
Above Normal (15%)	61.5	55.2	48.8	46.6	47.1	50.8	54.9	58.2	62.9	65.8	65.0	64.8
Below Normal (17%)	61.5	55.1	48.6	46.2	46.8	51.5	56.5	59.5	64.1	65.9	66.0	65.0
Dry (22%)	63.0	55.6	48.7	46.0	47.7	52.5	57.9	62.1	66.5	67.1	67.0	66.4
Critical (15%)	63.4	55.5	48.4	46.6	49.0	54.3	59.5	64.3	68.7	71.5	69.6	68.3

Table 6C-14-2b. American River at Watt Avenue, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	64.2	56.9	51.1	47.5	49.0	54.0	59.9	64.9	69.7	70.5	69.5	68.1
20%	63.2	56.4	50.5	46.9	48.3	53.3	59.0	63.7	67.5	68.3	67.9	67.3
30%	62.7	56.1	49.8	46.5	47.8	52.4	57.8	62.0	65.6	67.1	66.6	66.5
40%	62.1	56.0	49.5	46.3	47.3	51.9	57.1	59.7	64.3	66.5	66.2	65.5
50%	61.9	55.6	49.2	46.1	47.0	51.3	56.1	58.5	63.6	65.9	65.6	65.1
60%	61.6	55.4	48.8	45.8	46.7	50.8	54.7	57.6	62.1	65.6	65.2	64.6
70%	60.8	55.1	48.3	45.6	46.4	50.5	54.1	57.3	61.6	65.3	64.6	64.2
80%	59.5	54.7	47.6	45.1	46.1	50.0	53.0	56.9	61.0	65.0	64.1	64.0
90%	58.7	54.2	47.3	44.8	45.7	49.5	52.6	55.9	60.0	64.6	62.8	63.4
Long Term												
Full Simulation Period[a]	61.6	55.6	49.2	46.1	47.2	51.6	56.1	59.8	64.2	66.7	65.9	65.4
Water Year Types[b,c]												
Wet (32%)	59.9	56.0	50.2	45.7	46.3	50.1	53.5	57.1	61.0	64.9	63.8	63.9
Above Normal (15%)	61.5	55.4	48.9	46.6	47.1	50.8	54.9	58.2	62.9	65.9	65.0	64.8
Below Normal (17%)	61.4	55.2	48.6	46.2	46.8	51.5	56.4	59.5	64.1	66.0	66.0	65.1
Dry (22%)	62.9	55.5	48.8	46.1	47.7	52.4	58.0	62.2	66.6	67.3	66.8	66.4
Critical (15%)	63.4	55.5	48.6	46.6	49.0	54.3	59.6	64.4	68.8	71.6	69.8	68.3

Table 6C-14-2c. American River at Watt Avenue, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0
20%	-0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.4	-0.2	0.4	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.3	0.1	-0.1	-0.1
40%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	-0.2	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0
60%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	0.1	0.0
70%	-0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
90%	0.0	-0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Long Term												
Full Simulation Period[a]	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Dry (22%)	-0.1	-0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	-0.2	0.0
Critical (15%)	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.2	0.1

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-14-3a. American River at Watt Avenue, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	64.0	56.8	51.1	47.6	49.0	54.0	60.0	65.0	69.7	70.7	69.5	68.1
20%	63.3	56.3	50.5	46.9	48.3	53.3	58.6	63.3	67.7	67.9	67.9	67.3
30%	62.7	56.1	49.8	46.6	47.7	52.4	57.8	61.9	65.3	67.0	66.8	66.5
40%	62.1	56.0	49.4	46.3	47.4	51.9	57.1	59.7	64.4	66.2	66.4	65.5
50%	61.9	55.6	49.2	46.1	47.0	51.3	56.1	58.5	63.5	65.9	65.5	65.1
60%	61.7	55.4	48.7	45.8	46.7	50.8	54.7	57.6	62.3	65.4	65.1	64.6
70%	61.0	55.1	48.2	45.5	46.4	50.5	54.1	57.3	61.6	65.3	64.6	64.2
80%	59.5	54.7	47.6	45.1	46.1	50.0	53.0	56.9	61.0	65.0	64.1	63.9
90%	58.7	54.3	47.1	44.8	45.7	49.5	52.6	55.9	60.0	64.5	62.8	63.2
Long Term												
Full Simulation Period[a]	61.6	55.6	49.1	46.1	47.2	51.6	56.1	59.8	64.2	66.7	65.9	65.4
Water Year Types[b,c]												
Wet (32%)	59.9	56.0	50.2	45.7	46.3	50.1	53.5	57.0	61.0	64.9	63.8	63.8
Above Normal (15%)	61.5	55.2	48.8	46.6	47.1	50.8	54.9	58.2	62.9	65.8	65.0	64.8
Below Normal (17%)	61.5	55.1	48.6	46.2	46.8	51.5	56.5	59.5	64.1	65.9	66.0	65.0
Dry (22%)	63.0	55.6	48.7	46.0	47.7	52.5	57.9	62.1	66.5	67.1	67.0	66.4
Critical (15%)	63.4	55.5	48.4	46.6	49.0	54.3	59.5	64.3	68.7	71.5	69.6	68.3

Table 6C-14-3b. American River at Watt Avenue, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	64.0	56.9	51.1	47.6	49.0	54.0	59.9	65.0	69.7	70.6	69.6	68.1
20%	63.3	56.5	50.5	46.9	48.3	53.3	58.8	63.6	67.8	68.3	67.9	67.3
30%	62.7	56.1	49.8	46.5	47.7	52.4	57.8	61.9	65.7	67.0	66.7	66.6
40%	62.1	55.9	49.4	46.2	47.3	51.9	57.1	59.7	64.4	66.4	66.3	65.4
50%	61.8	55.6	49.2	46.1	47.0	51.3	56.1	58.5	63.7	66.0	65.7	65.1
60%	61.6	55.4	48.7	45.8	46.7	50.8	54.7	57.6	62.0	65.6	65.1	64.7
70%	60.7	55.1	48.2	45.6	46.4	50.5	54.1	57.3	61.6	65.3	64.6	64.2
80%	59.5	54.7	47.6	45.1	46.1	50.0	53.0	56.9	61.0	65.0	64.2	63.9
90%	58.7	54.2	47.3	44.8	45.7	49.5	52.6	55.9	60.0	64.6	62.8	63.4
Long Term												
Full Simulation Period[a]	61.6	55.6	49.2	46.1	47.2	51.6	56.1	59.8	64.2	66.7	65.9	65.4
Water Year Types[b,c]												
Wet (32%)	59.9	56.0	50.2	45.7	46.3	50.1	53.5	57.1	61.0	64.9	63.8	63.9
Above Normal (15%)	61.4	55.3	48.8	46.6	47.1	50.8	54.9	58.2	62.9	65.9	65.0	64.8
Below Normal (17%)	61.5	55.1	48.6	46.2	46.8	51.5	56.5	59.5	64.1	66.0	66.0	65.0
Dry (22%)	62.9	55.6	48.8	46.0	47.7	52.4	58.0	62.1	66.6	67.3	66.8	66.4
Critical (15%)	63.4	55.5	48.5	46.6	49.0	54.3	59.6	64.4	68.8	71.5	69.8	68.3

Table 6C-14-3c. American River at Watt Avenue, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0
20%	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.5	0.0	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	-0.1	0.0
40%	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-0.1	-0.1
50%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0
60%	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	-0.3	0.2	0.0	0.1
70%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
90%	0.0	-0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	-0.1	0.0
Critical (15%)	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.2	0.1

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-14-4a. American River at Watt Avenue, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	64.0	56.8	51.1	47.6	49.0	54.0	60.0	65.0	69.7	70.7	69.5	68.1
20%	63.3	56.3	50.5	46.9	48.3	53.3	58.6	63.3	67.7	67.9	67.9	67.3
30%	62.7	56.1	49.8	46.6	47.7	52.4	57.8	61.9	65.3	67.0	66.8	66.5
40%	62.1	56.0	49.4	46.3	47.4	51.9	57.1	59.7	64.4	66.2	66.4	65.5
50%	61.9	55.6	49.2	46.1	47.0	51.3	56.1	58.5	63.5	65.9	65.5	65.1
60%	61.7	55.4	48.7	45.8	46.7	50.8	54.7	57.6	62.3	65.4	65.1	64.6
70%	61.0	55.1	48.2	45.5	46.4	50.5	54.1	57.3	61.6	65.3	64.6	64.2
80%	59.5	54.7	47.6	45.1	46.1	50.0	53.0	56.9	61.0	65.0	64.1	63.9
90%	58.7	54.3	47.1	44.8	45.7	49.5	52.6	55.9	60.0	64.5	62.8	63.2
Long Term												
Full Simulation Period[a]	61.6	55.6	49.1	46.1	47.2	51.6	56.1	59.8	64.2	66.7	65.9	65.4
Water Year Types[b,c]												
Wet (32%)	59.9	56.0	50.2	45.7	46.3	50.1	53.5	57.0	61.0	64.9	63.8	63.8
Above Normal (15%)	61.5	55.2	48.8	46.6	47.1	50.8	54.9	58.2	62.9	65.8	65.0	64.8
Below Normal (17%)	61.5	55.1	48.6	46.2	46.8	51.5	56.5	59.5	64.1	65.9	66.0	65.0
Dry (22%)	63.0	55.6	48.7	46.0	47.7	52.5	57.9	62.1	66.5	67.1	67.0	66.4
Critical (15%)	63.4	55.5	48.4	46.6	49.0	54.3	59.5	64.3	68.7	71.5	69.6	68.3

Table 6C-14-4b. American River at Watt Avenue, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	64.2	56.9	51.2	47.6	49.0	54.0	59.9	65.0	70.2	70.5	69.3	68.2
20%	63.1	56.5	50.6	46.9	48.3	53.3	58.4	63.8	67.8	67.8	67.1	67.2
30%	62.5	56.2	49.8	46.6	47.8	52.4	57.6	62.0	65.6	67.3	66.6	66.6
40%	62.2	55.9	49.4	46.4	47.4	51.8	57.1	59.7	64.4	66.7	66.2	65.5
50%	61.8	55.6	49.3	46.2	47.0	51.3	56.1	58.5	63.6	66.3	65.7	65.0
60%	61.3	55.4	48.8	45.9	46.7	50.8	54.7	57.6	62.2	65.7	65.1	64.5
70%	60.6	55.2	48.5	45.6	46.4	50.5	54.1	57.3	61.6	65.4	64.6	64.1
80%	59.8	54.9	47.9	45.2	46.1	50.0	53.0	56.9	61.0	65.0	64.0	63.9
90%	58.7	54.6	47.2	44.9	45.7	49.5	52.6	55.9	60.0	64.6	62.8	63.4
Long Term												
Full Simulation Period[a]	61.5	55.7	49.3	46.2	47.3	51.6	56.0	59.9	64.2	66.8	65.8	65.4
Water Year Types[b,c]												
Wet (32%)	59.9	56.0	50.2	45.7	46.3	50.1	53.5	57.0	61.0	64.9	63.8	63.9
Above Normal (15%)	61.3	55.5	49.1	46.7	47.1	50.8	54.9	58.2	63.0	66.3	64.9	64.8
Below Normal (17%)	61.3	55.2	48.8	46.3	46.8	51.5	56.5	59.5	64.1	66.0	66.1	65.0
Dry (22%)	62.8	55.7	49.0	46.2	47.8	52.4	57.9	62.3	66.7	67.5	66.6	66.3
Critical (15%)	63.5	55.5	48.4	46.6	49.2	54.3	59.3	64.6	68.8	71.4	69.4	68.3

Table 6C-14-4c. American River at Watt Avenue, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.2	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	0.5	-0.2	-0.3	0.1
20%	-0.2	0.1	0.2	0.0	0.1	0.0	-0.2	0.5	0.1	0.0	-0.8	0.0
30%	-0.2	0.0	0.0	0.0	0.1	0.0	-0.1	0.1	0.3	0.3	-0.2	0.0
40%	0.1	-0.1	0.0	0.2	0.0	-0.1	0.0	0.0	0.0	0.4	-0.2	0.0
50%	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.4	0.1	-0.2
60%	-0.3	0.0	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	0.3	0.0	-0.1
70%	-0.4	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1
80%	0.3	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
90%	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Long Term												
Full Simulation Period[a]	-0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1	0.2	-0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.1	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.4	-0.1	0.0
Below Normal (17%)	-0.2	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Dry (22%)	-0.2	0.1	0.3	0.2	0.1	0.0	-0.1	0.2	0.2	0.4	-0.3	-0.2
Critical (15%)	0.2	0.0	-0.1	0.0	0.2	0.0	-0.2	0.3	0.1	-0.1	-0.2	0.0

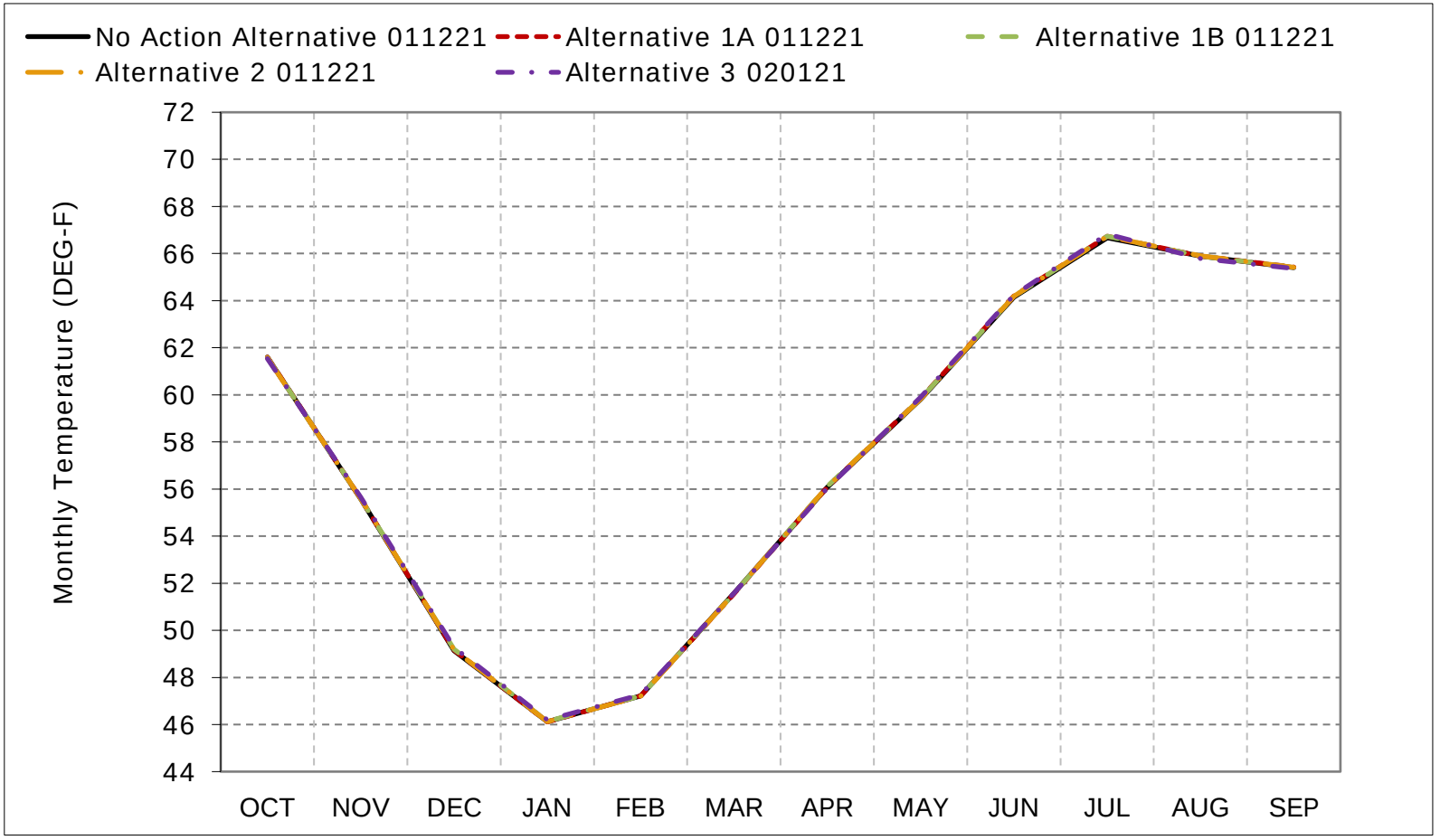
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

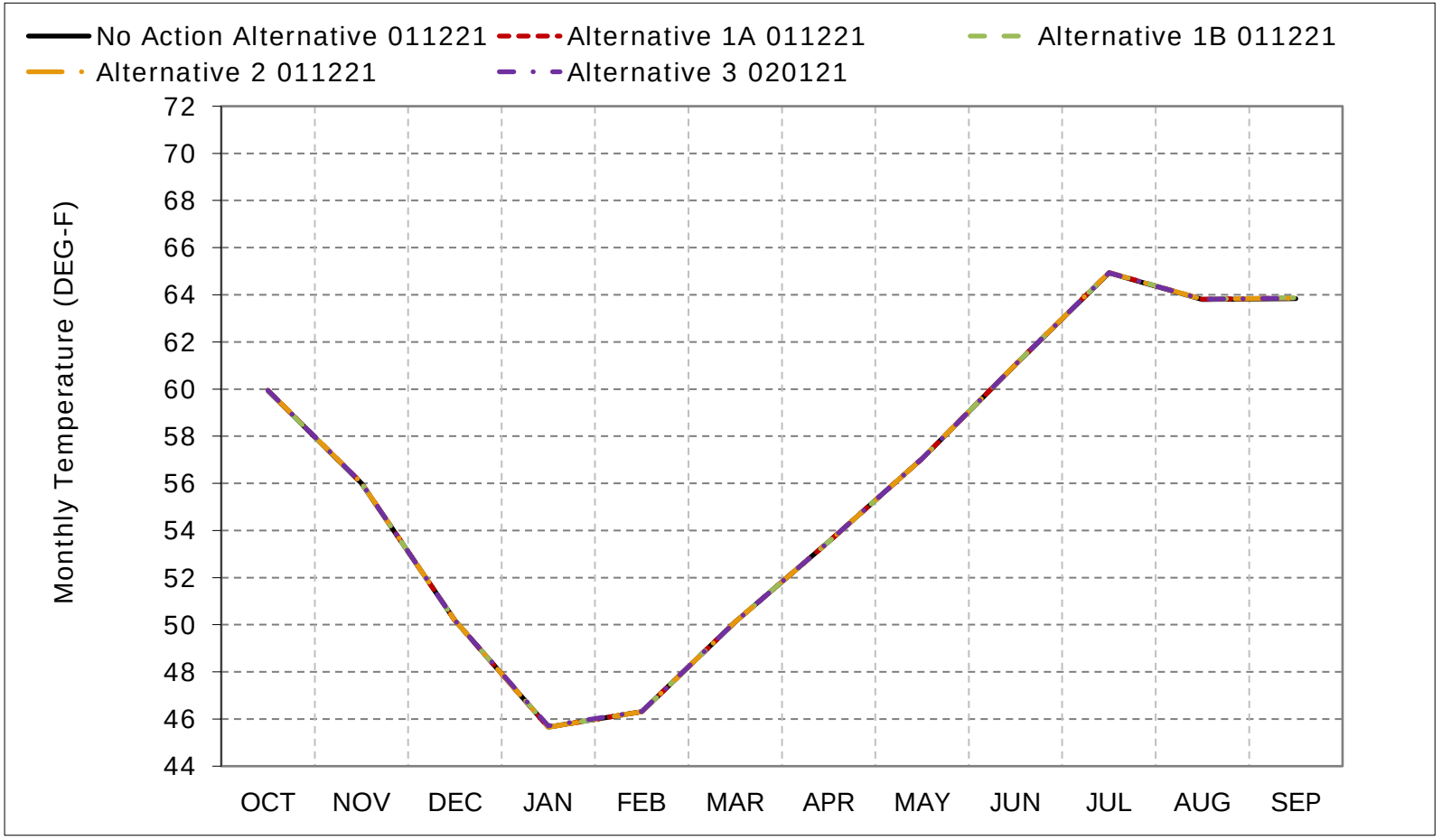
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-14-1. American River at Watt Avenue, Long-Term Average Temperature



*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-14-2. American River at Watt Avenue, Wet Year Average Temperature

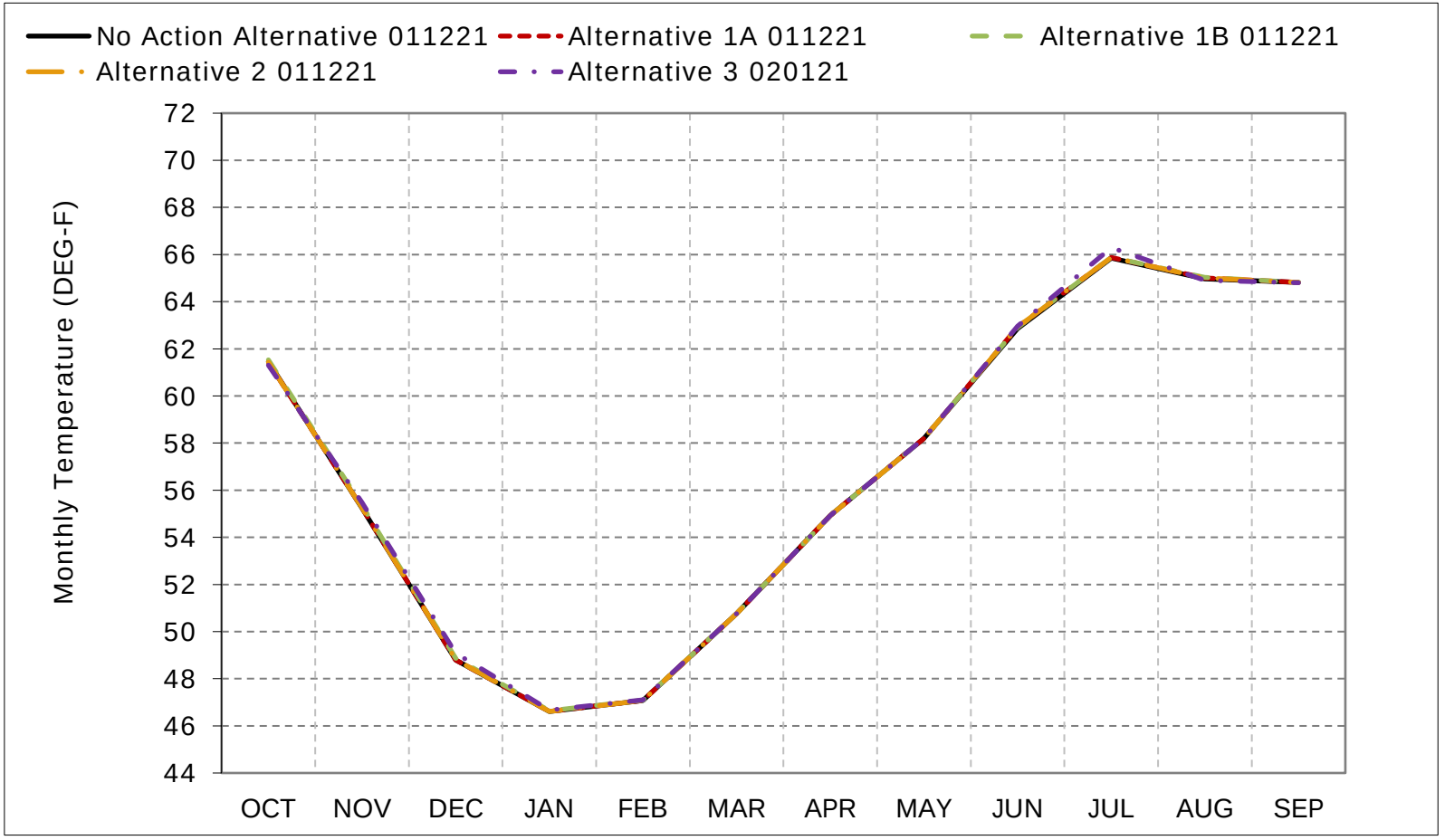


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

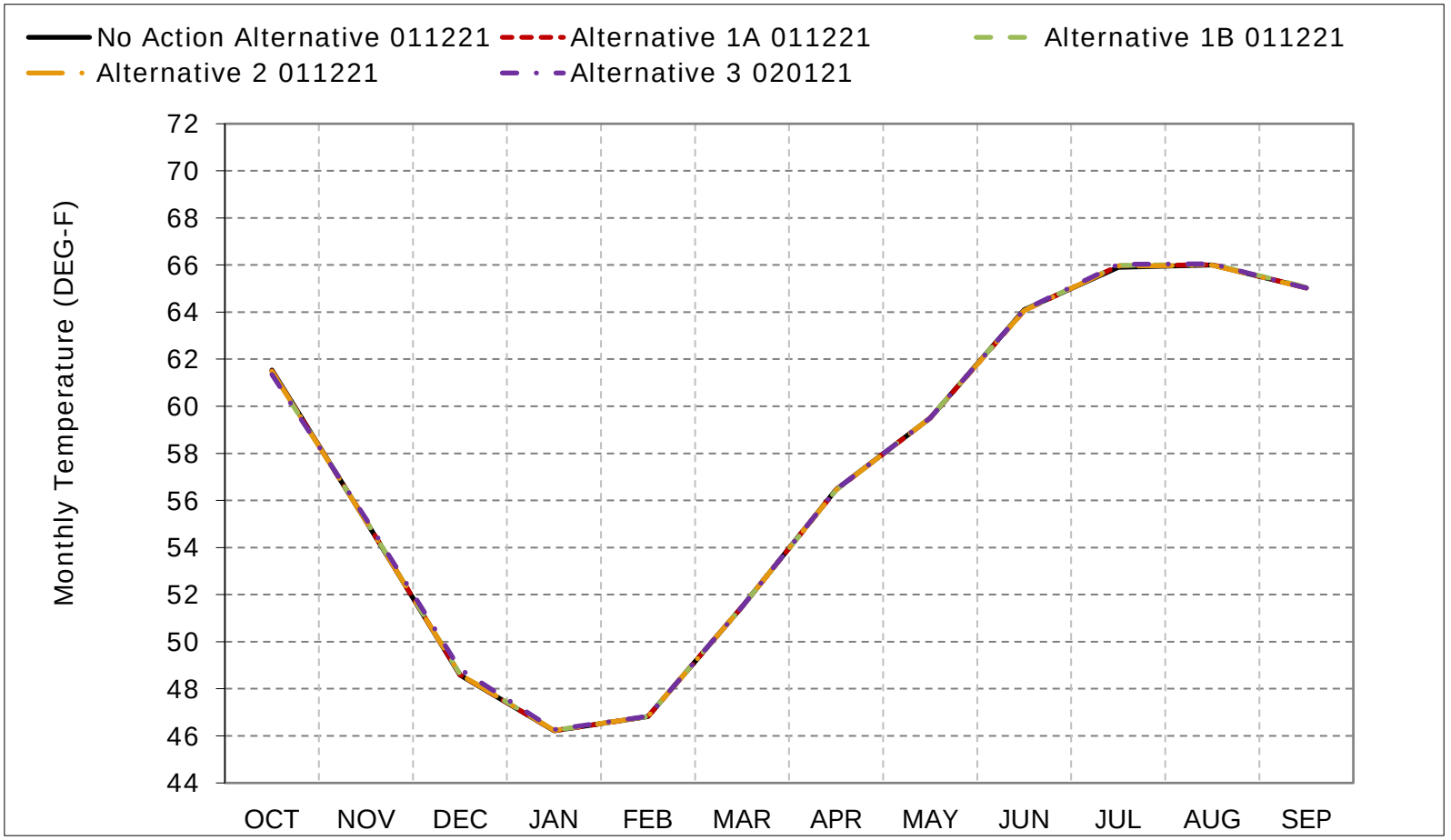
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-14-3. American River at Watt Avenue, Above Normal Year Average Temperat



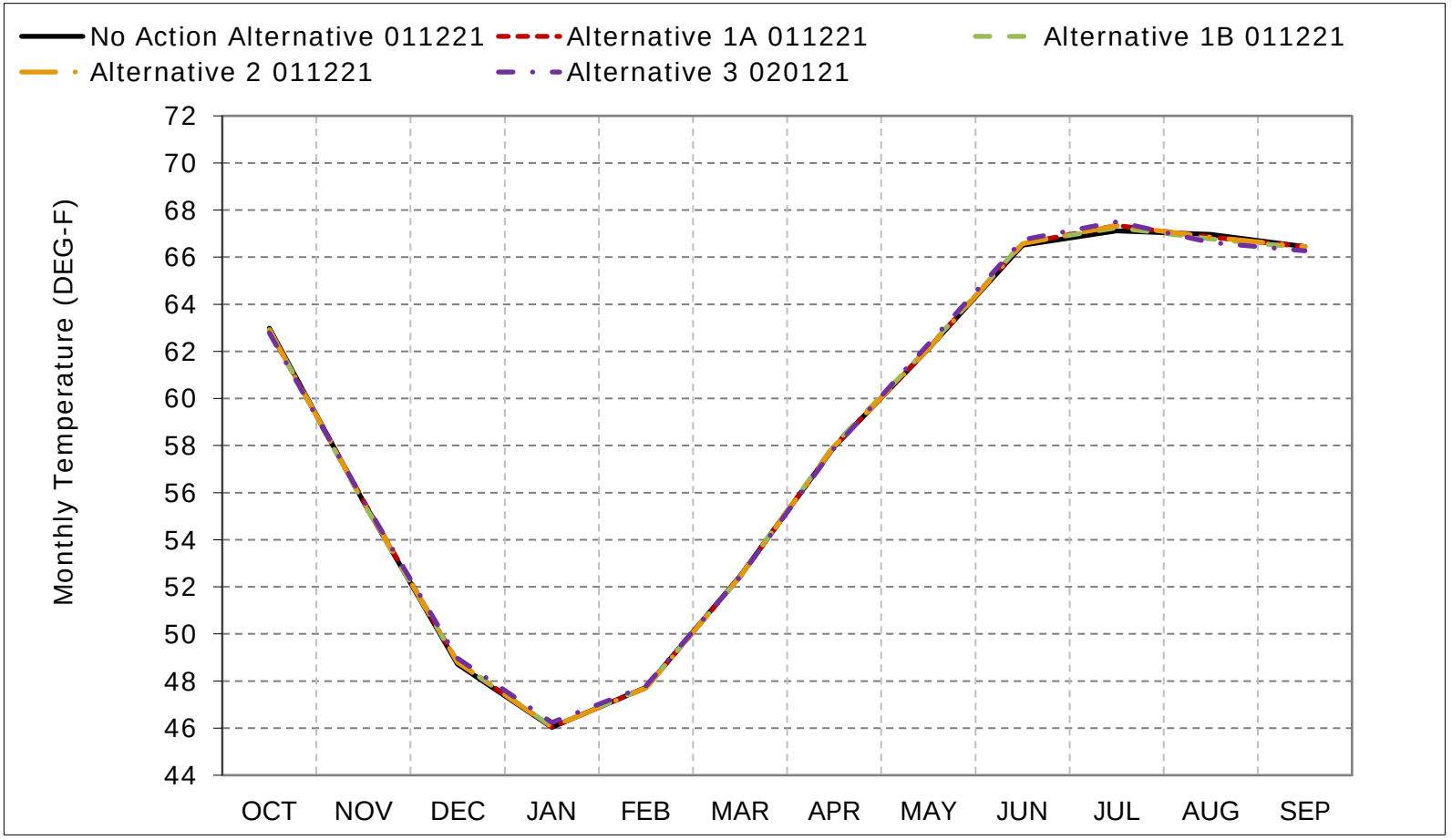
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-14-4. American River at Watt Avenue, Below Normal Year Average Temperat



*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-14-5. American River at Watt Avenue, Dry Year Average Temperature

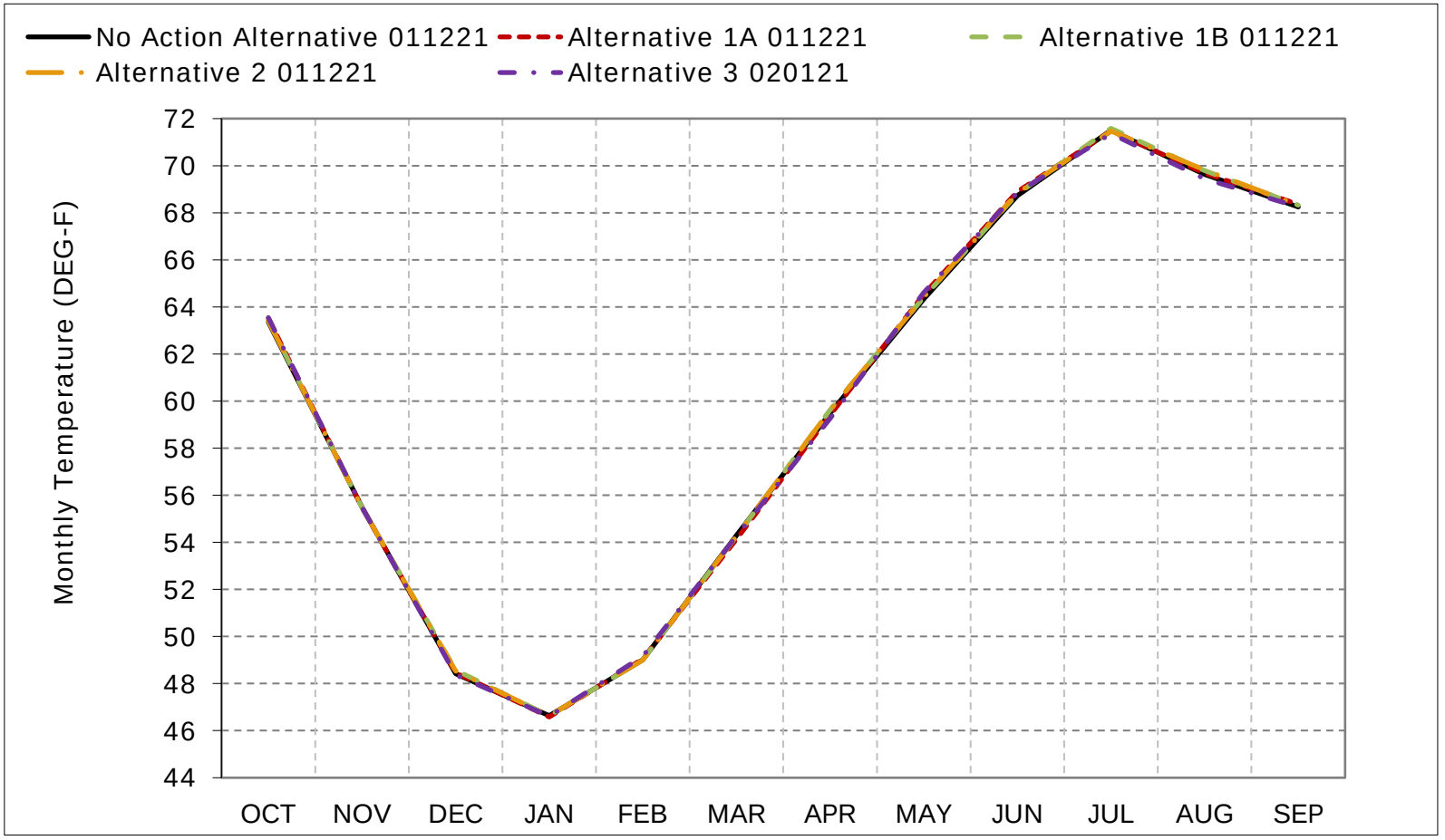


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

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

Figure 6C-14-6. American River at Watt Avenue, Critical Year Average Temperature

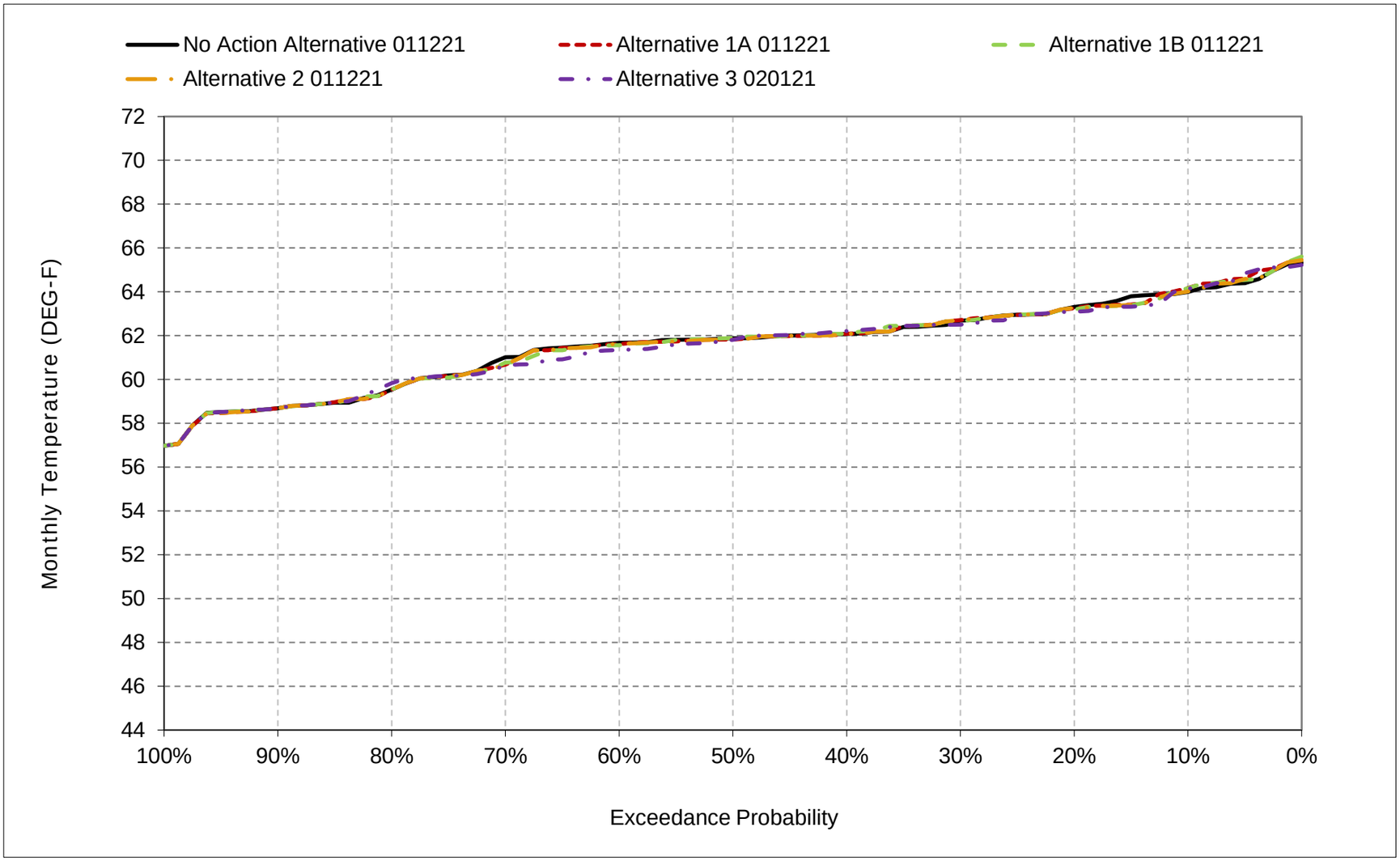


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

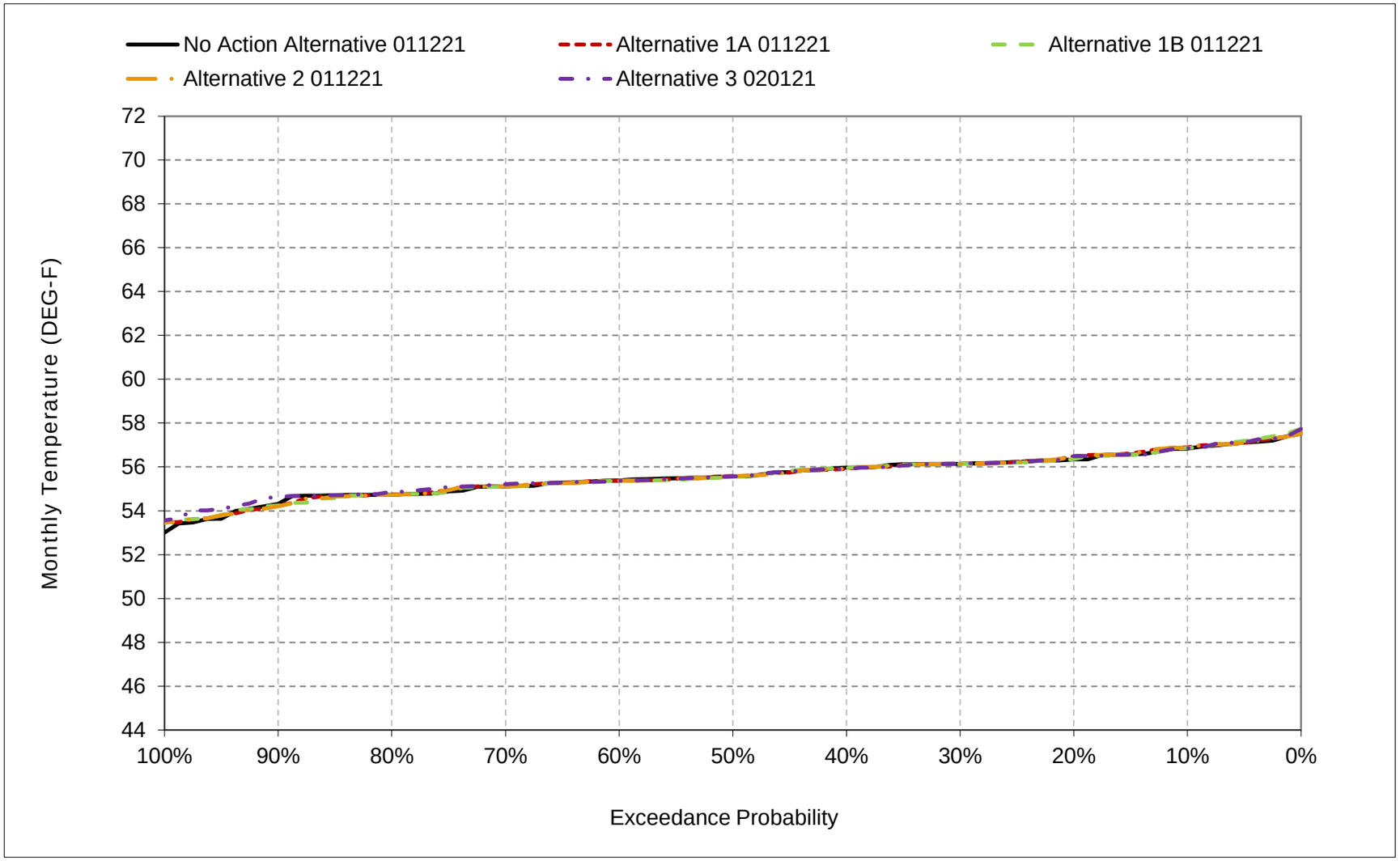
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-14-7. American River at Watt Avenue, October



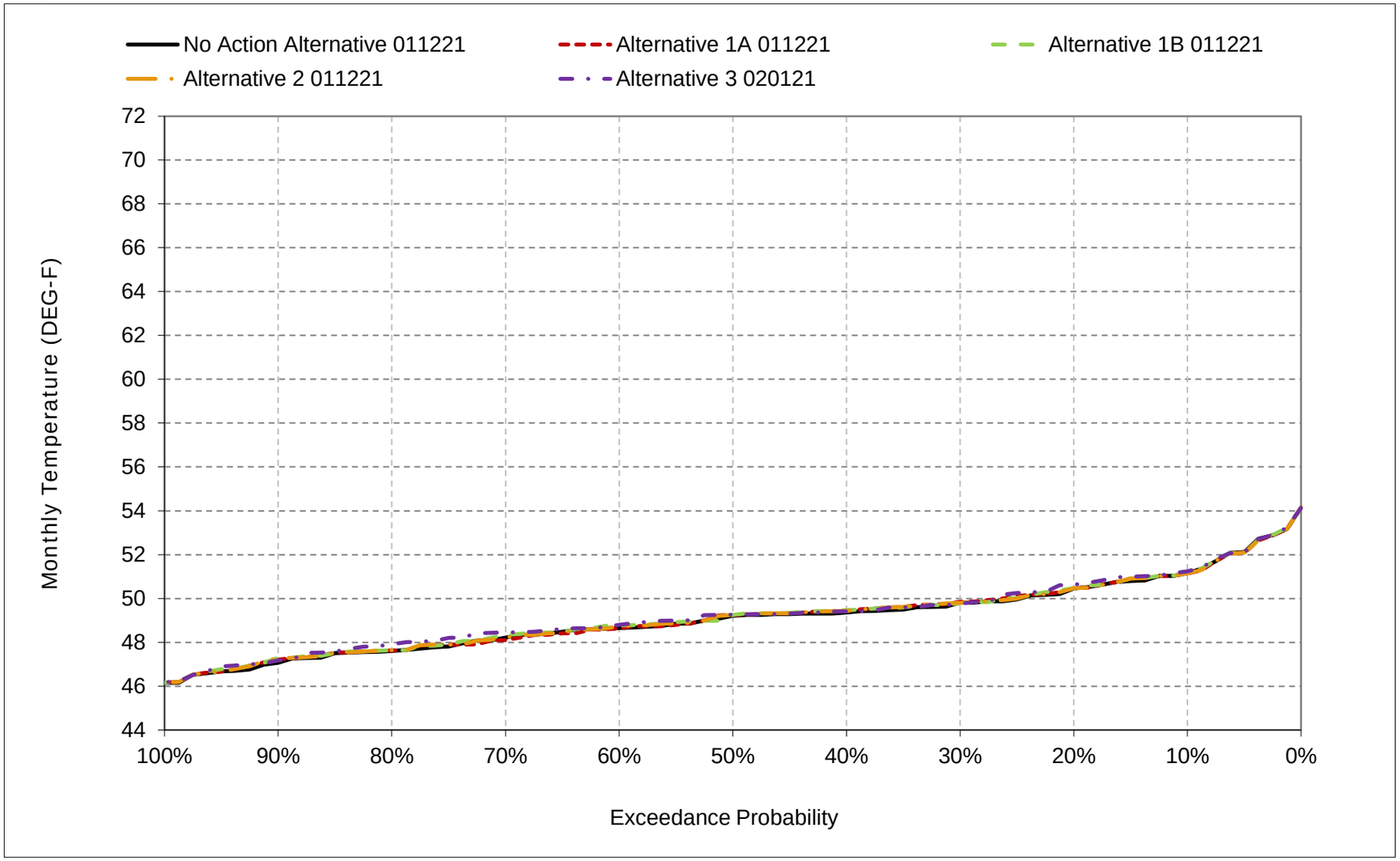
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-14-8. American River at Watt Avenue, November



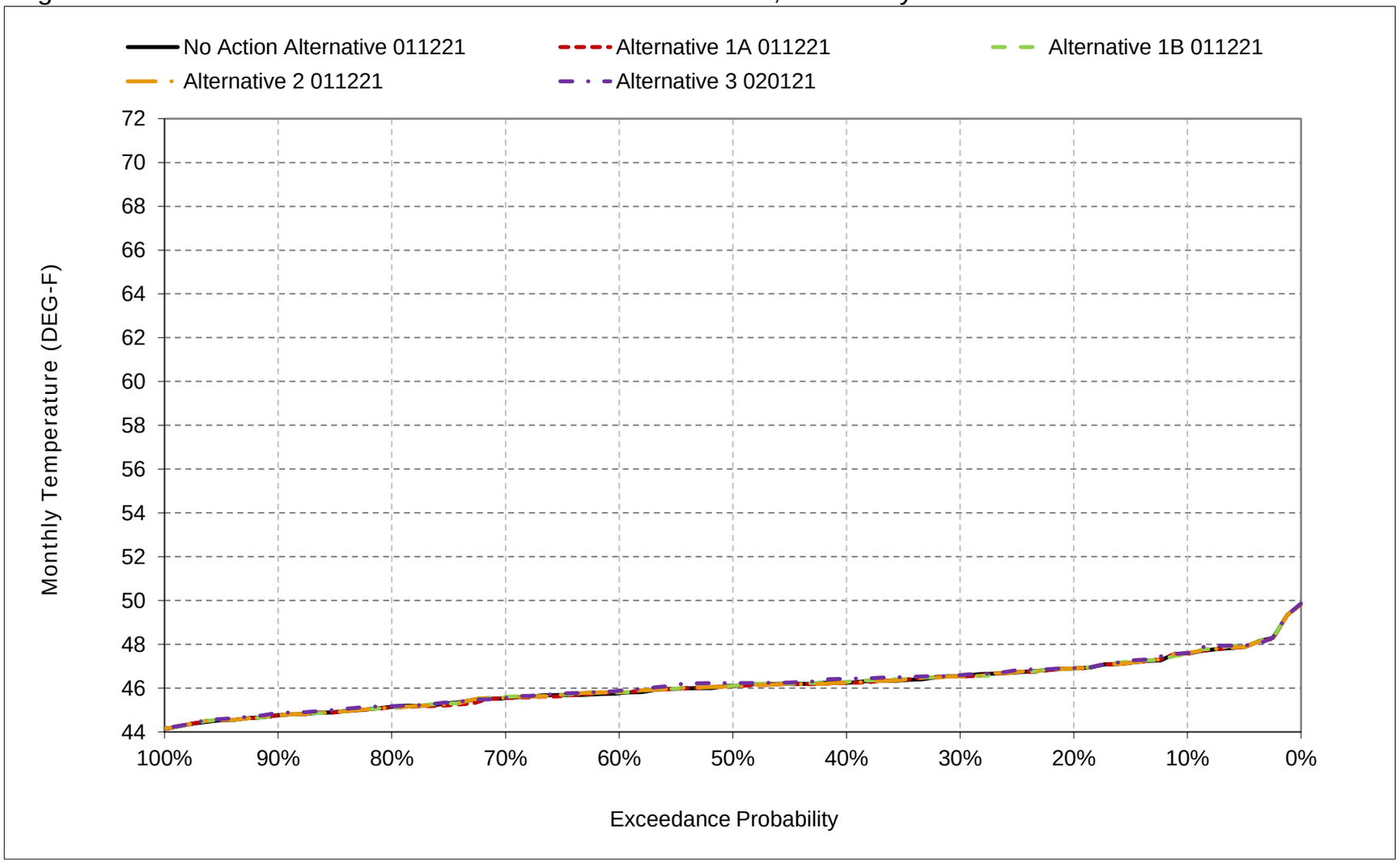
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-14-9. American River at Watt Avenue, December



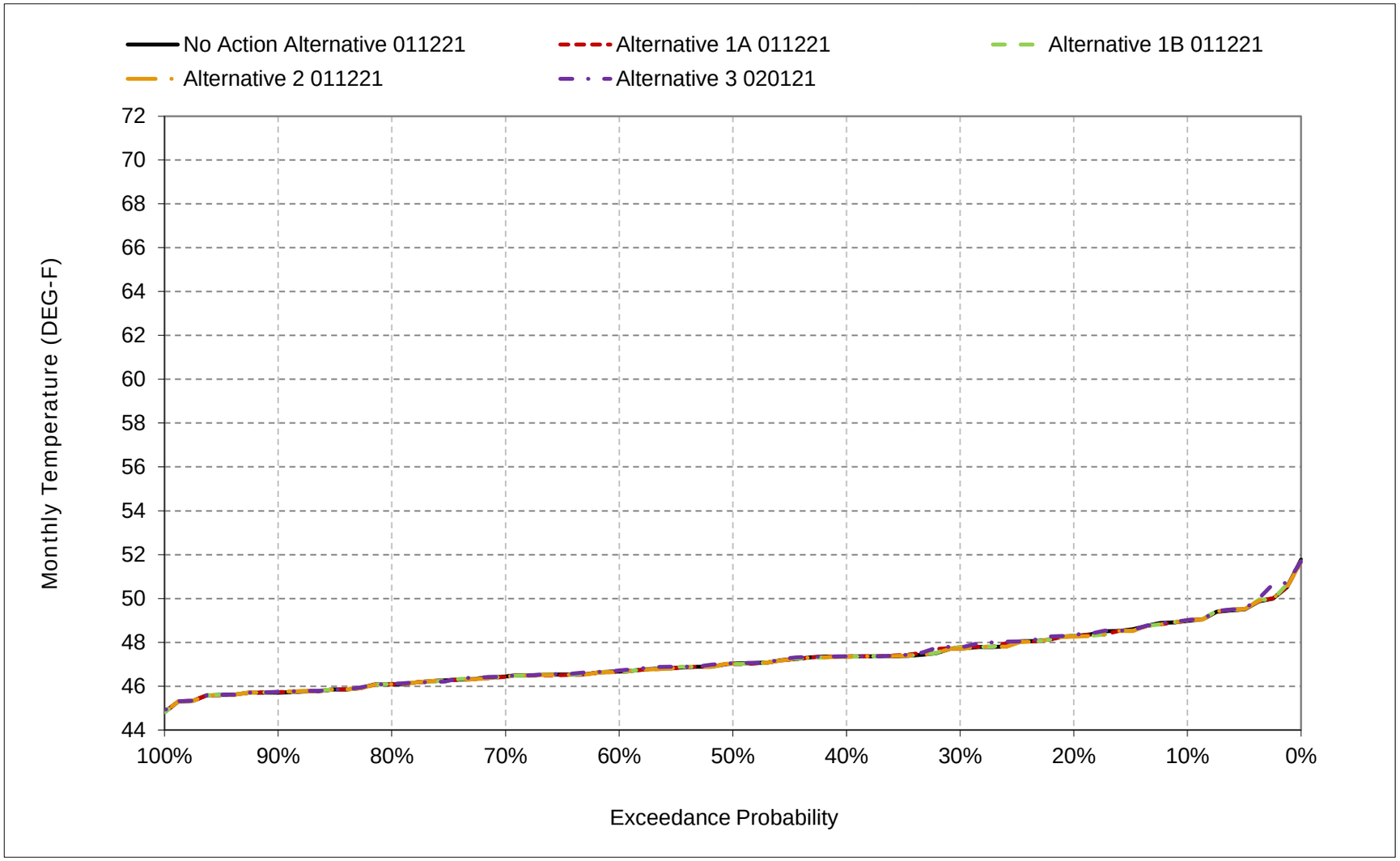
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-14-10. American River at Watt Avenue, January



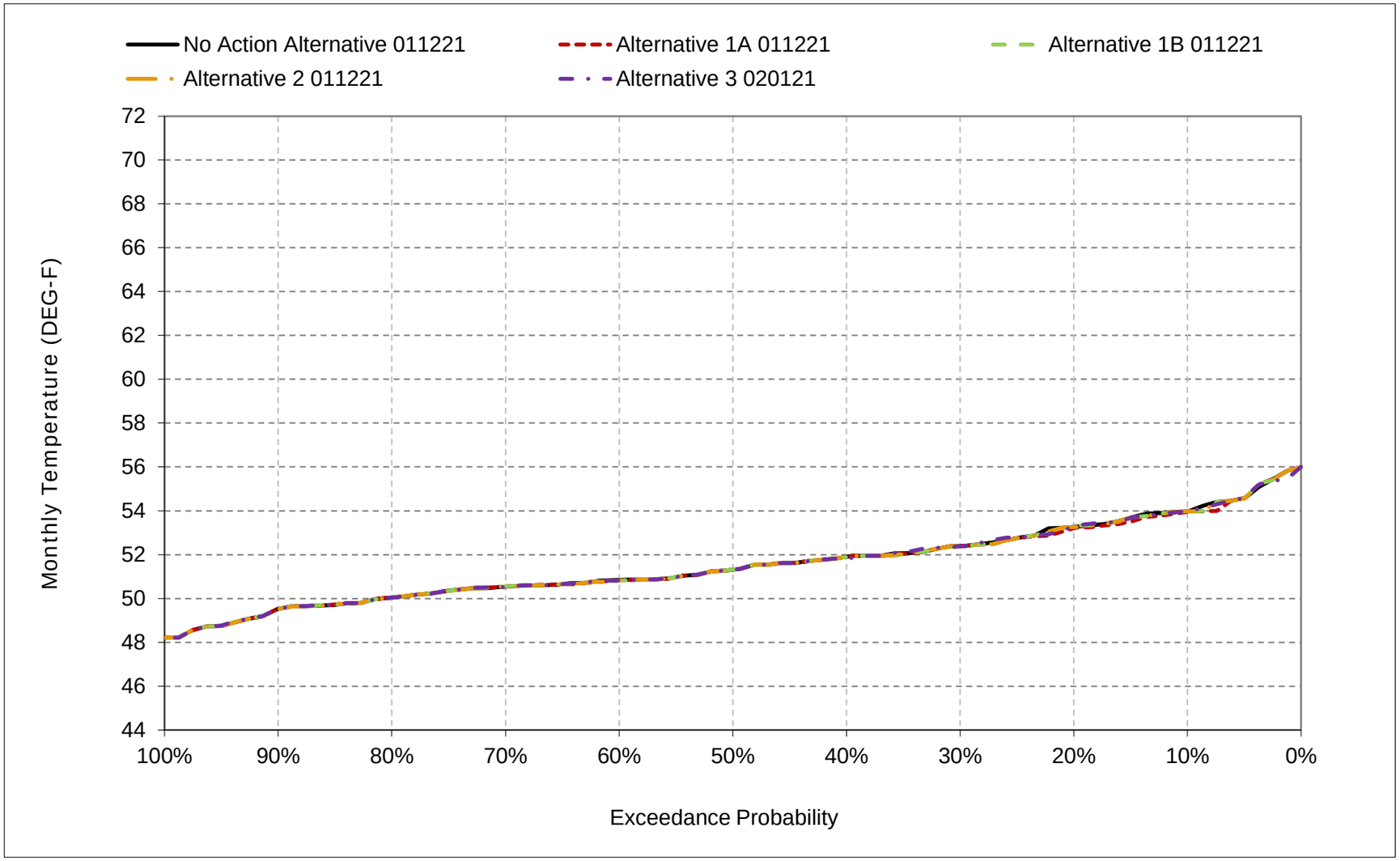
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-14-11. American River at Watt Avenue, February



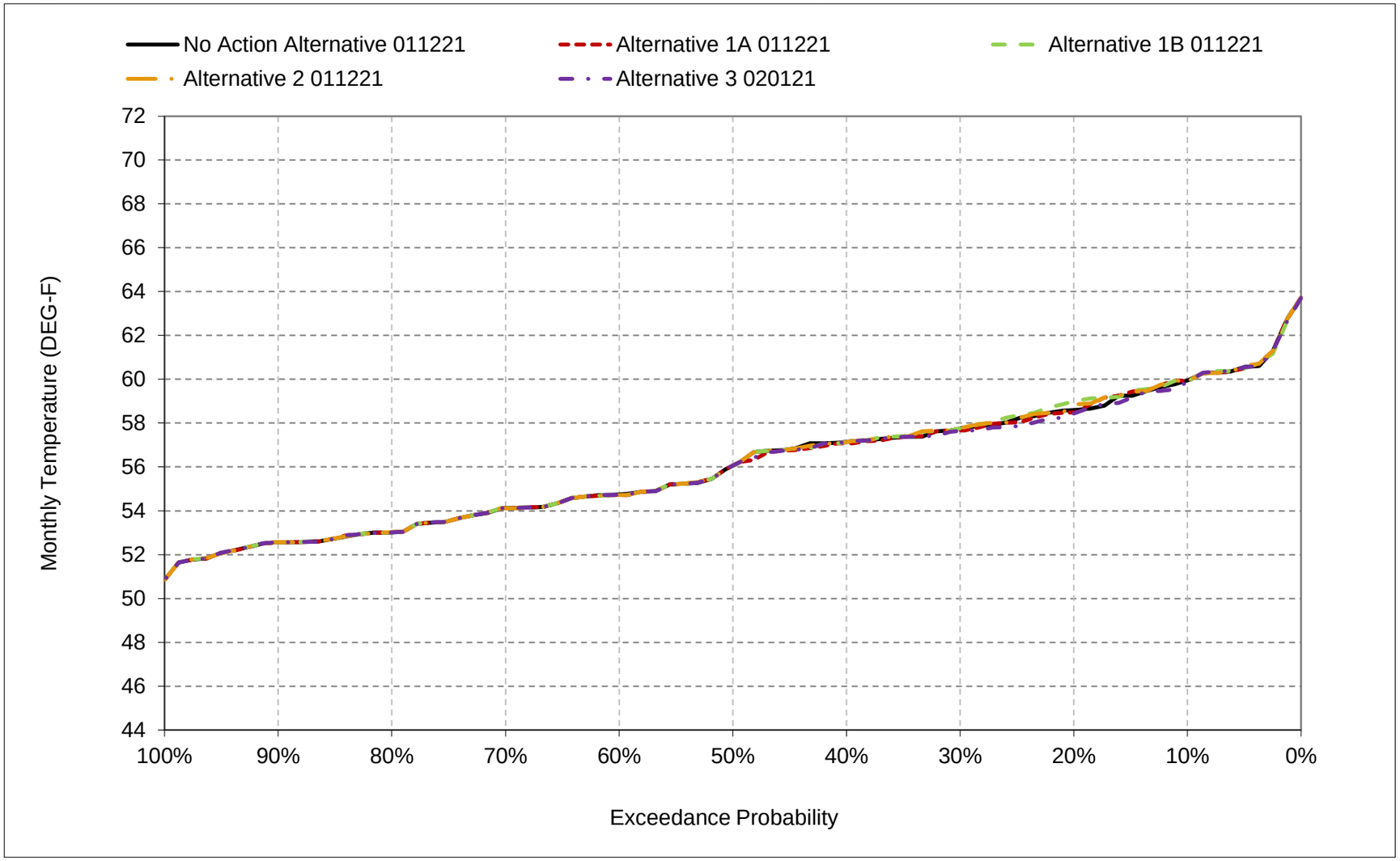
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-14-12. American River at Watt Avenue, March



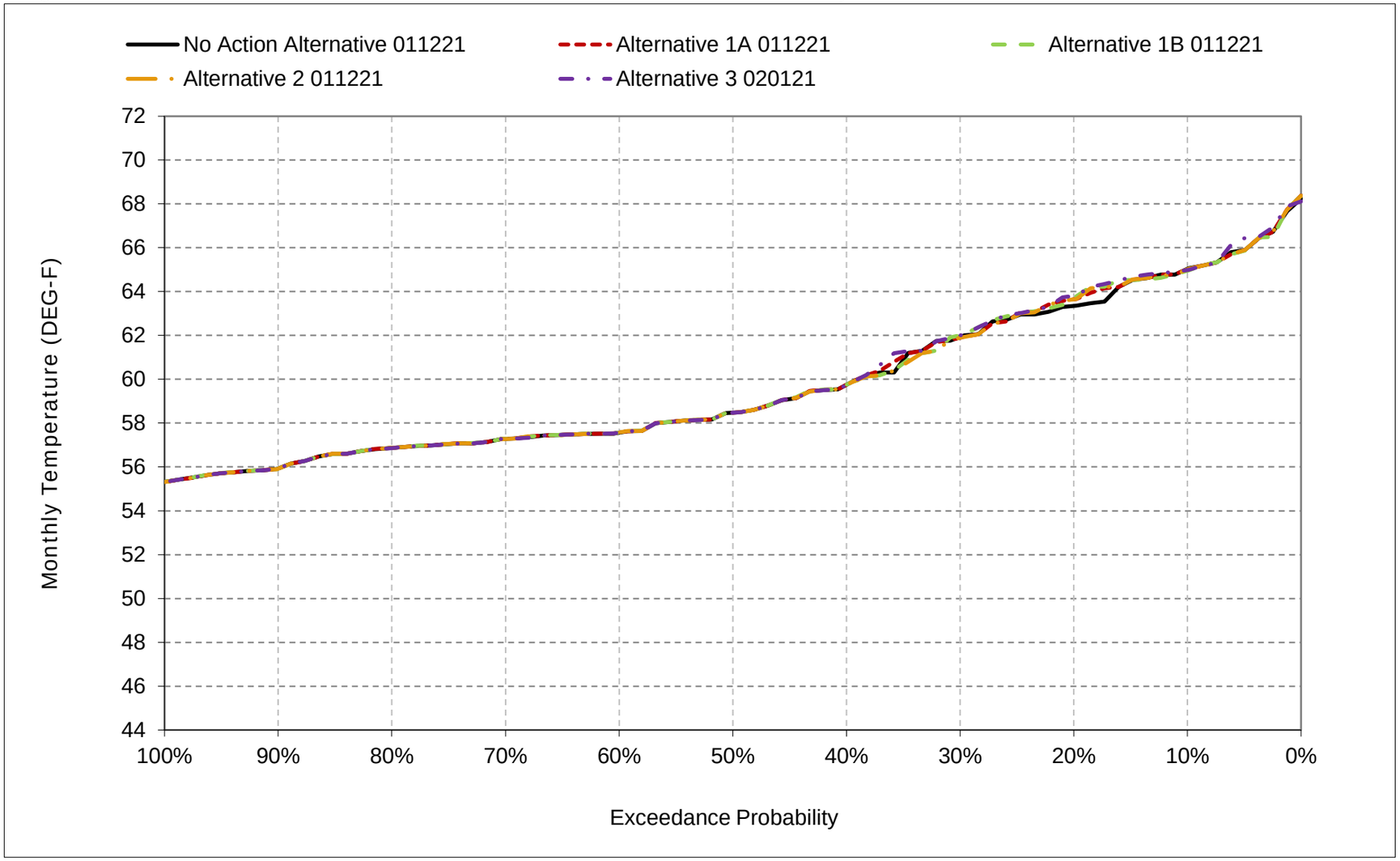
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-14-13. American River at Watt Avenue, April



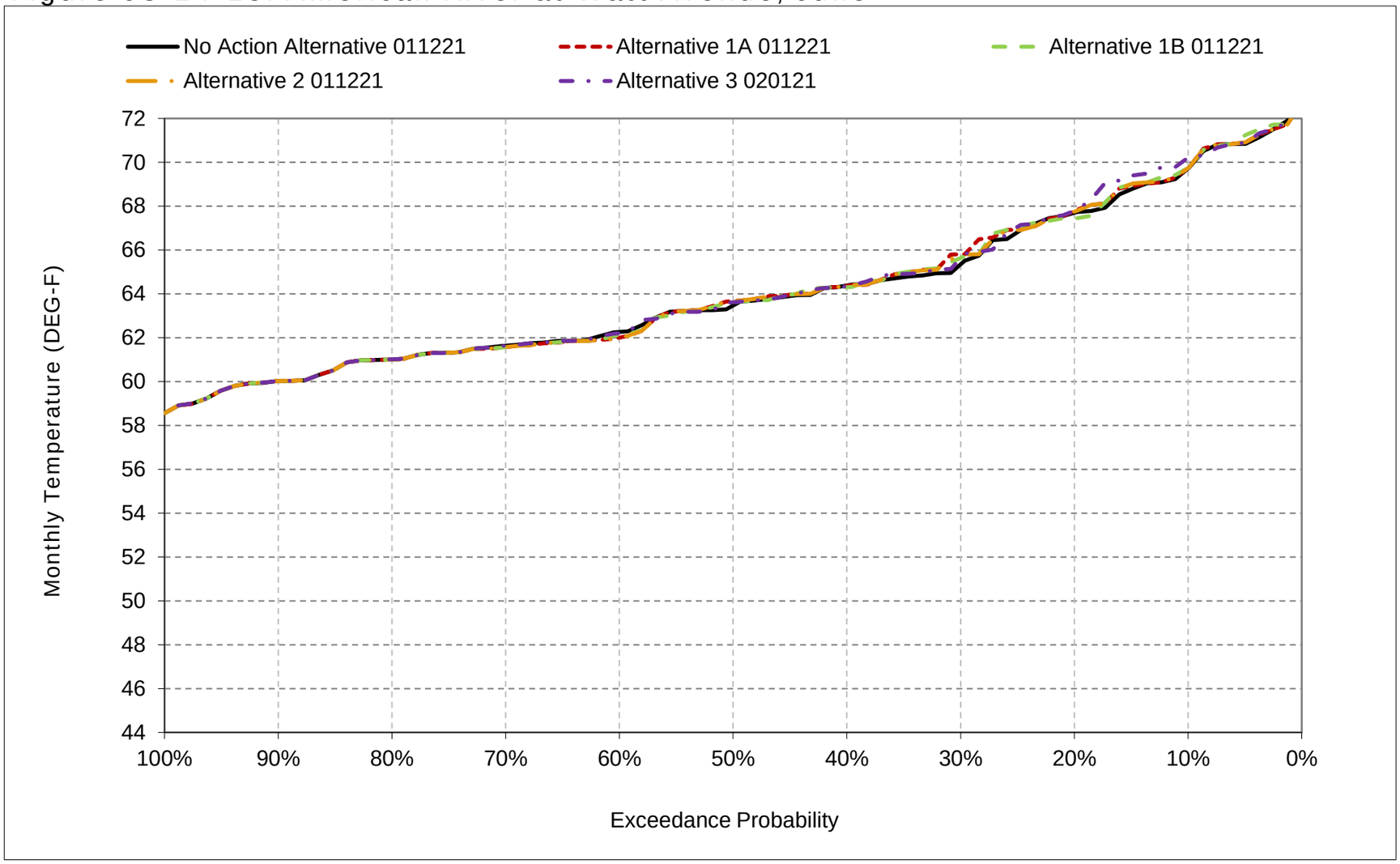
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-14-14. American River at Watt Avenue, May



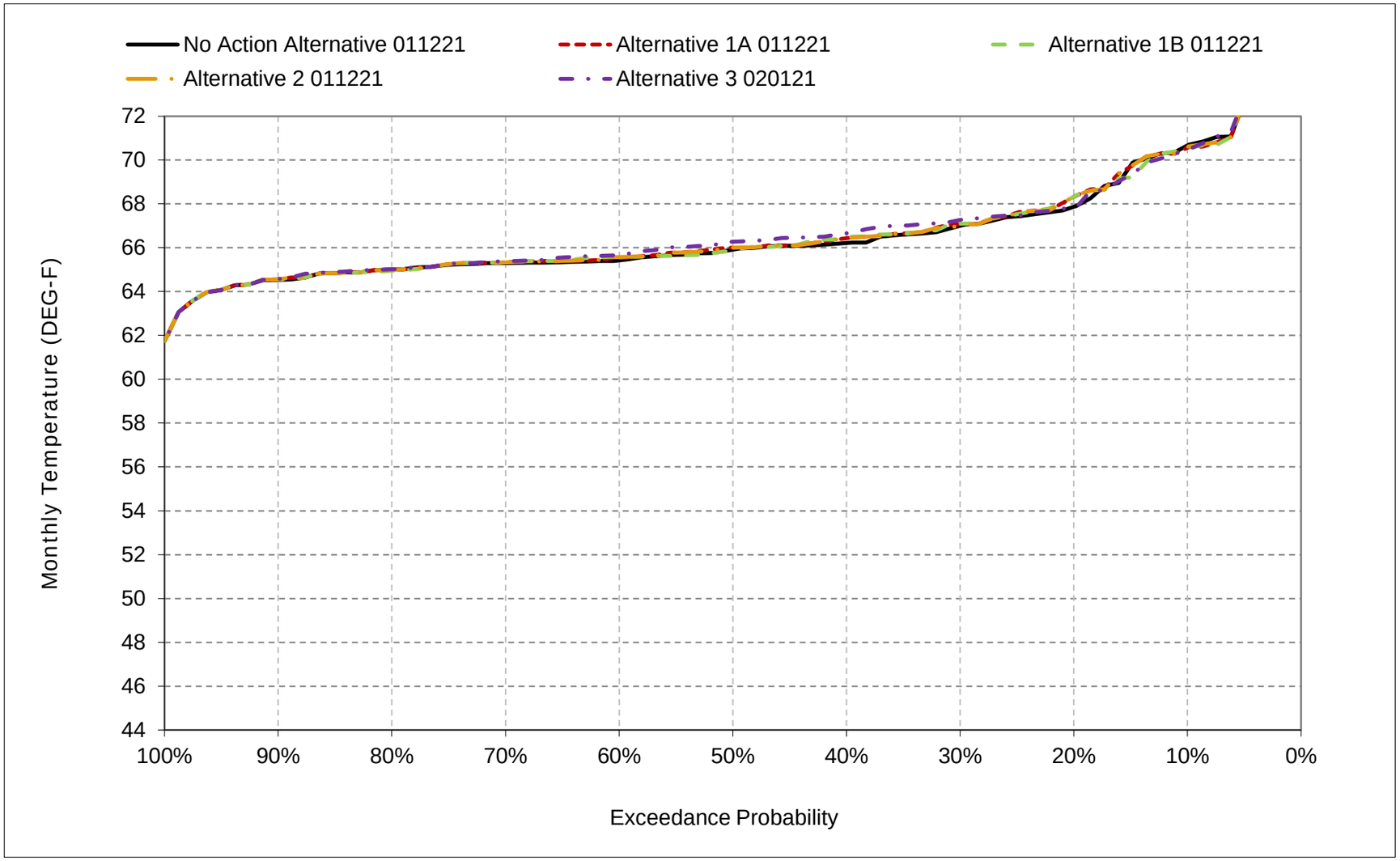
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-14-15. American River at Watt Avenue, June



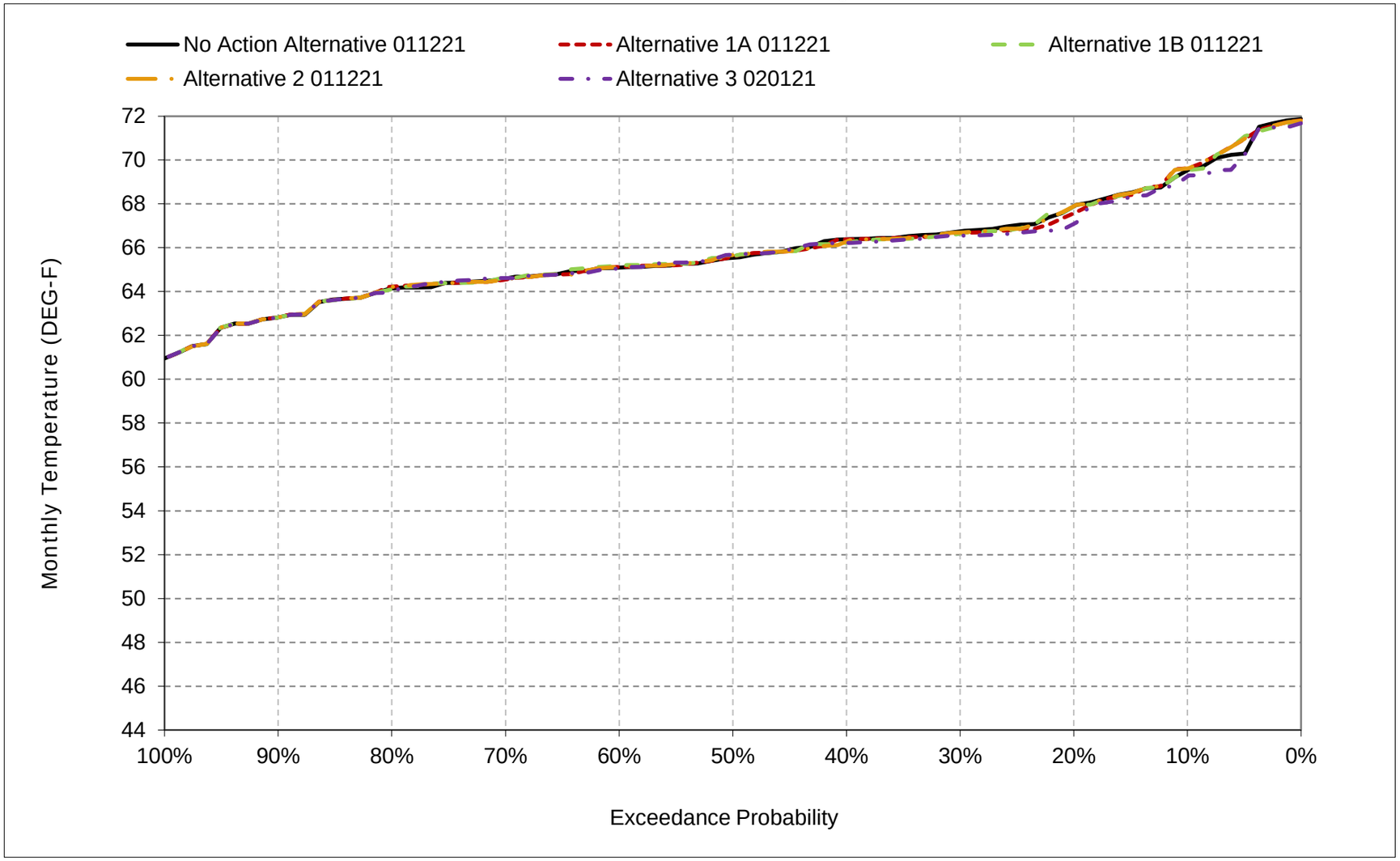
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-14-16. American River at Watt Avenue, July



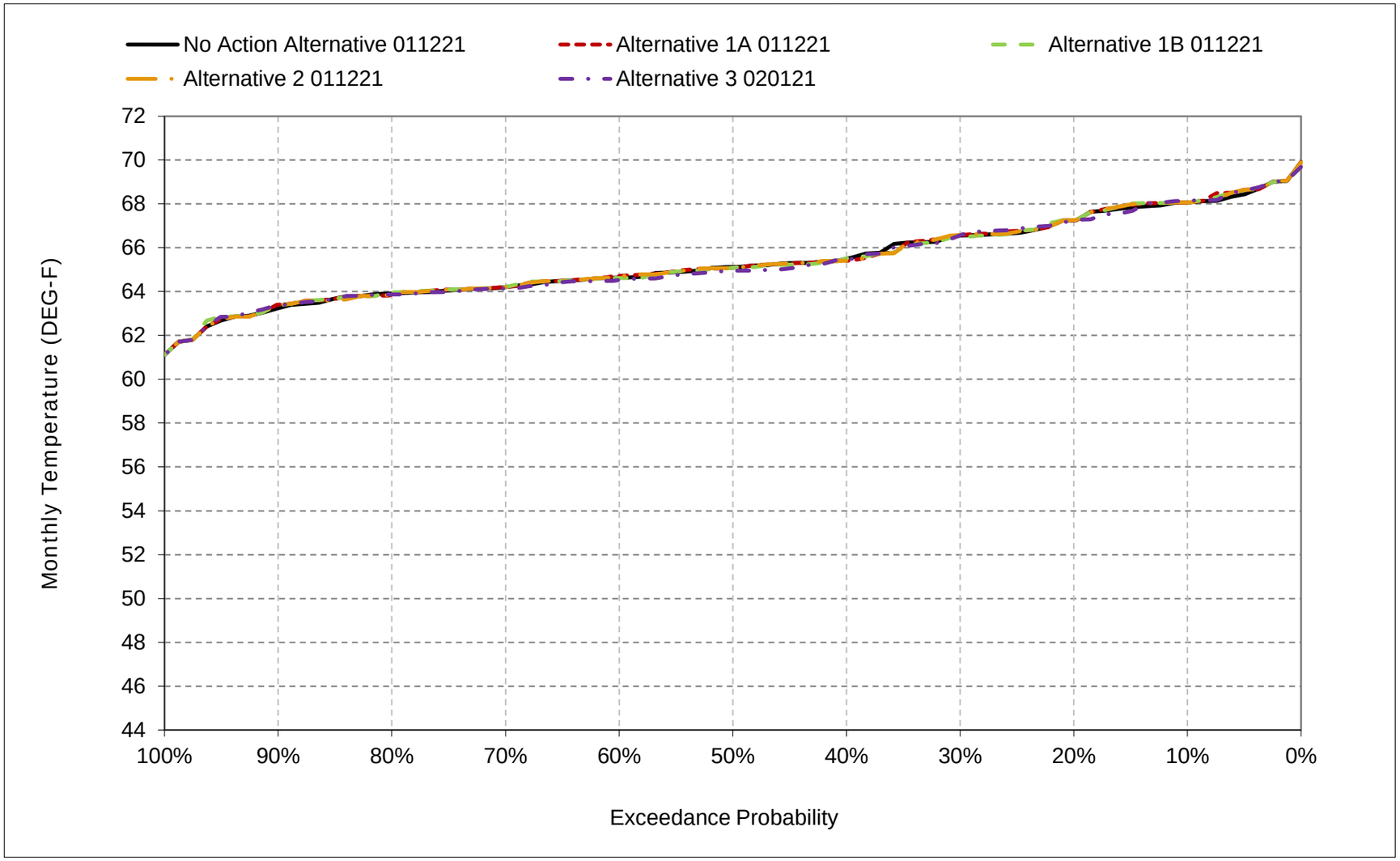
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-14-17. American River at Watt Avenue, August



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

Figure 6C-14-18. American River at Watt Avenue, September



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

Table 6C-15-1a. American River at the Mouth, No Action Alternative 011221, Monthly Temperature (above the confluence with the Sacramento River)(DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	65.6	57.0	51.0	47.8	50.2	56.6	63.3	68.4	74.2	74.2	73.6	70.8
20%	64.3	56.5	50.2	47.2	49.2	55.3	61.3	66.9	70.9	71.6	71.0	69.3
30%	63.5	56.3	49.5	46.9	48.5	54.2	60.3	65.0	67.9	69.9	69.8	68.1
40%	62.8	56.0	49.2	46.6	48.1	53.5	59.4	62.3	67.1	68.9	69.4	67.5
50%	62.6	55.8	49.0	46.4	47.7	52.9	58.3	60.2	66.2	68.5	68.4	66.9
60%	62.4	55.3	48.5	46.1	47.3	52.1	56.4	59.1	64.9	68.0	67.8	66.4
70%	61.7	55.2	48.0	45.7	46.9	51.6	55.5	58.6	64.1	67.8	67.1	66.1
80%	60.9	54.8	47.6	45.3	46.5	51.1	54.0	58.2	63.2	67.3	66.4	65.8
90%	59.7	54.5	46.8	44.9	46.0	50.2	53.5	56.9	61.5	66.8	65.2	65.1
Long Term												
Full Simulation Period[a]	62.6	55.7	48.9	46.4	47.9	53.1	58.1	62.0	66.9	69.5	68.9	67.5
Water Year Types[b,c]												
Wet (32%)	61.0	56.0	50.0	45.8	46.7	51.1	54.8	58.4	63.0	67.6	66.3	65.9
Above Normal (15%)	62.3	55.2	48.7	46.8	47.6	51.8	56.5	60.0	65.6	68.1	67.7	66.4
Below Normal (17%)	62.3	55.2	48.4	46.4	47.4	53.1	58.6	61.5	67.0	67.9	69.0	66.8
Dry (22%)	63.9	55.8	48.5	46.4	48.7	54.3	60.8	64.9	69.6	70.5	70.1	68.6
Critical (15%)	64.9	56.0	48.2	47.0	50.4	56.7	62.5	67.9	72.9	75.5	73.7	71.5

Table 6C-15-1b. American River at the Mouth, Alternative 1A 011221, Monthly Temperature (above the confluence with the Sacramento River)(DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	65.8	57.1	51.0	47.8	50.2	56.1	63.3	68.4	74.2	74.1	74.1	70.8
20%	64.1	56.5	50.2	47.2	49.3	55.3	61.5	67.2	70.7	72.1	70.9	69.3
30%	63.5	56.2	49.6	46.9	48.6	54.2	60.4	64.8	68.3	70.0	69.8	68.2
40%	62.8	56.0	49.3	46.6	48.1	53.5	59.3	62.3	67.2	68.9	69.3	67.4
50%	62.6	55.8	49.1	46.4	47.7	52.9	58.1	60.2	66.3	68.5	68.5	66.9
60%	62.4	55.3	48.6	46.1	47.2	52.1	56.4	59.1	64.7	68.1	67.8	66.3
70%	61.7	55.1	48.0	45.7	46.9	51.6	55.5	58.6	64.1	67.7	67.2	66.1
80%	60.9	54.8	47.5	45.3	46.5	51.1	54.0	58.2	63.2	67.4	66.4	65.8
90%	59.7	54.3	47.1	44.9	46.0	50.2	53.5	56.9	61.5	66.8	65.2	65.2
Long Term												
Full Simulation Period[a]	62.6	55.7	49.0	46.4	47.9	53.0	58.1	62.0	67.0	69.6	68.9	67.5
Water Year Types[b,c]												
Wet (32%)	61.0	56.0	50.0	45.8	46.7	51.1	54.8	58.4	63.0	67.6	66.3	65.9
Above Normal (15%)	62.2	55.2	48.7	46.8	47.6	51.8	56.5	60.0	65.7	68.2	67.8	66.3
Below Normal (17%)	62.3	55.2	48.5	46.5	47.4	53.1	58.6	61.5	67.0	68.0	69.0	66.8
Dry (22%)	63.8	55.8	48.6	46.4	48.7	54.3	60.8	64.9	69.6	70.7	70.1	68.6
Critical (15%)	65.0	56.0	48.3	46.9	50.5	56.5	62.5	68.1	73.1	75.6	73.8	71.6

Table 6C-15-1c. American River at the Mouth, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (above the confluence with the Sacramento

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.2	0.0	0.0	0.0	0.0	-0.5	0.0	0.0	0.0	-0.2	0.5	0.0
20%	-0.1	0.0	0.0	0.1	0.0	-0.1	0.2	0.3	-0.2	0.4	-0.2	0.0
30%	0.0	-0.1	0.1	0.1	0.1	0.0	0.1	-0.2	0.3	0.1	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	-0.1	-0.1
50%	0.0	0.0	0.1	0.0	0.0	0.0	-0.3	0.0	0.1	0.0	0.1	0.1
60%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	-0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	0.0
Dry (22%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.1	-0.1	0.1	0.2	0.0	0.0
Critical (15%)	0.1	0.0	0.0	0.0	0.1	-0.2	0.0	0.2	0.2	0.0	0.1	0.1

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-15-2a. American River at the Mouth, No Action Alternative 011221, Monthly Temperature (above the confluence with the Sacramento River)(DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	65.6	57.0	51.0	47.8	50.2	56.6	63.3	68.4	74.2	74.2	73.6	70.8
20%	64.3	56.5	50.2	47.2	49.2	55.3	61.3	66.9	70.9	71.6	71.0	69.3
30%	63.5	56.3	49.5	46.9	48.5	54.2	60.3	65.0	67.9	69.9	69.8	68.1
40%	62.8	56.0	49.2	46.6	48.1	53.5	59.4	62.3	67.1	68.9	69.4	67.5
50%	62.6	55.8	49.0	46.4	47.7	52.9	58.3	60.2	66.2	68.5	68.4	66.9
60%	62.4	55.3	48.5	46.1	47.3	52.1	56.4	59.1	64.9	68.0	67.8	66.4
70%	61.7	55.2	48.0	45.7	46.9	51.6	55.5	58.6	64.1	67.8	67.1	66.1
80%	60.9	54.8	47.6	45.3	46.5	51.1	54.0	58.2	63.2	67.3	66.4	65.8
90%	59.7	54.5	46.8	44.9	46.0	50.2	53.5	56.9	61.5	66.8	65.2	65.1
Long Term												
Full Simulation Period[a]	62.6	55.7	48.9	46.4	47.9	53.1	58.1	62.0	66.9	69.5	68.9	67.5
Water Year Types[b,c]												
Wet (32%)	61.0	56.0	50.0	45.8	46.7	51.1	54.8	58.4	63.0	67.6	66.3	65.9
Above Normal (15%)	62.3	55.2	48.7	46.8	47.6	51.8	56.5	60.0	65.6	68.1	67.7	66.4
Below Normal (17%)	62.3	55.2	48.4	46.4	47.4	53.1	58.6	61.5	67.0	67.9	69.0	66.8
Dry (22%)	63.9	55.8	48.5	46.4	48.7	54.3	60.8	64.9	69.6	70.5	70.1	68.6
Critical (15%)	64.9	56.0	48.2	47.0	50.4	56.7	62.5	67.9	72.9	75.5	73.7	71.5

Table 6C-15-2b. American River at the Mouth, Alternative 1B 011221, Monthly Temperature (above the confluence with the Sacramento River)(DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	65.6	57.1	51.0	47.8	50.2	56.6	63.3	68.4	74.0	73.8	73.6	70.8
20%	64.1	56.5	50.3	47.2	49.1	55.3	61.7	67.2	70.6	72.1	71.0	69.4
30%	63.5	56.2	49.5	46.9	48.5	54.2	60.7	65.2	68.1	69.9	69.9	68.1
40%	62.8	56.1	49.3	46.7	48.1	53.5	59.4	62.3	67.2	68.9	69.2	67.4
50%	62.6	55.8	49.0	46.4	47.7	52.9	58.3	60.2	66.3	68.5	68.7	67.0
60%	62.3	55.3	48.6	46.1	47.3	52.1	56.4	59.1	64.9	68.1	67.9	66.4
70%	61.7	55.1	48.0	45.7	46.9	51.6	55.5	58.6	64.1	67.8	67.2	66.1
80%	60.9	54.8	47.6	45.4	46.5	51.1	54.0	58.2	63.2	67.4	66.4	65.7
90%	59.7	54.5	47.1	44.9	46.0	50.2	53.5	56.9	61.5	66.7	65.2	65.2
Long Term												
Full Simulation Period[a]	62.6	55.7	49.0	46.4	47.9	53.1	58.2	62.0	67.0	69.6	69.0	67.5
Water Year Types[b,c]												
Wet (32%)	61.0	56.0	50.0	45.8	46.7	51.1	54.8	58.5	63.0	67.6	66.3	65.9
Above Normal (15%)	62.3	55.3	48.7	46.8	47.6	51.8	56.5	60.0	65.7	68.2	67.9	66.4
Below Normal (17%)	62.3	55.2	48.5	46.5	47.4	53.1	58.6	61.5	67.0	68.0	69.0	66.8
Dry (22%)	63.8	55.7	48.6	46.4	48.7	54.3	60.9	65.0	69.6	70.6	70.0	68.5
Critical (15%)	64.9	56.0	48.3	47.0	50.3	56.7	62.7	68.0	73.0	75.7	74.0	71.6

Table 6C-15-2c. American River at the Mouth, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (above the confluence with the Sacramento

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.4	0.1	0.0
20%	-0.1	0.0	0.1	0.1	-0.1	0.0	0.4	0.3	-0.3	0.4	0.0	0.0
30%	0.0	-0.1	0.1	0.0	0.0	0.0	0.4	0.2	0.2	0.0	0.1	0.0
40%	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.1
60%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
70%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
90%	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
Long Term												
Full Simulation Period[a]	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.1
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Dry (22%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	-0.1	0.0
Critical (15%)	0.0	0.0	0.1	0.0	0.0	-0.1	0.2	0.1	0.1	0.2	0.3	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-15-3a. American River at the Mouth, No Action Alternative 011221, Monthly Temperature (above the confluence with the Sacramento River)(DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	65.6	57.0	51.0	47.8	50.2	56.6	63.3	68.4	74.2	74.2	73.6	70.8
20%	64.3	56.5	50.2	47.2	49.2	55.3	61.3	66.9	70.9	71.6	71.0	69.3
30%	63.5	56.3	49.5	46.9	48.5	54.2	60.3	65.0	67.9	69.9	69.8	68.1
40%	62.8	56.0	49.2	46.6	48.1	53.5	59.4	62.3	67.1	68.9	69.4	67.5
50%	62.6	55.8	49.0	46.4	47.7	52.9	58.3	60.2	66.2	68.5	68.4	66.9
60%	62.4	55.3	48.5	46.1	47.3	52.1	56.4	59.1	64.9	68.0	67.8	66.4
70%	61.7	55.2	48.0	45.7	46.9	51.6	55.5	58.6	64.1	67.8	67.1	66.1
80%	60.9	54.8	47.6	45.3	46.5	51.1	54.0	58.2	63.2	67.3	66.4	65.8
90%	59.7	54.5	46.8	44.9	46.0	50.2	53.5	56.9	61.5	66.8	65.2	65.1
Long Term												
Full Simulation Period[a]	62.6	55.7	48.9	46.4	47.9	53.1	58.1	62.0	66.9	69.5	68.9	67.5
Water Year Types[b,c]												
Wet (32%)	61.0	56.0	50.0	45.8	46.7	51.1	54.8	58.4	63.0	67.6	66.3	65.9
Above Normal (15%)	62.3	55.2	48.7	46.8	47.6	51.8	56.5	60.0	65.6	68.1	67.7	66.4
Below Normal (17%)	62.3	55.2	48.4	46.4	47.4	53.1	58.6	61.5	67.0	67.9	69.0	66.8
Dry (22%)	63.9	55.8	48.5	46.4	48.7	54.3	60.8	64.9	69.6	70.5	70.1	68.6
Critical (15%)	64.9	56.0	48.2	47.0	50.4	56.7	62.5	67.9	72.9	75.5	73.7	71.5

Table 6C-15-3b. American River at the Mouth, Alternative 2 011221, Monthly Temperature (above the confluence with the Sacramento River)(DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	65.6	57.1	51.0	47.8	50.2	56.6	63.3	68.4	74.2	74.1	74.1	70.8
20%	64.1	56.5	50.2	47.2	49.1	55.3	61.4	67.2	70.8	72.1	71.0	69.3
30%	63.5	56.2	49.6	46.9	48.5	54.2	60.5	64.7	68.2	70.0	69.8	68.1
40%	62.8	56.0	49.3	46.6	48.1	53.5	59.4	62.3	67.2	68.9	69.3	67.4
50%	62.6	55.8	49.1	46.4	47.7	52.9	58.3	60.2	66.3	68.5	68.7	66.9
60%	62.4	55.3	48.6	46.1	47.2	52.1	56.4	59.1	64.7	68.1	67.8	66.3
70%	61.7	55.1	48.0	45.7	46.9	51.6	55.5	58.6	64.1	67.8	67.2	66.1
80%	60.9	54.8	47.5	45.3	46.5	51.1	54.0	58.2	63.2	67.4	66.4	65.8
90%	59.7	54.3	47.1	44.9	46.0	50.2	53.5	56.9	61.5	66.8	65.2	65.2
Long Term												
Full Simulation Period[a]	62.6	55.7	49.0	46.4	47.9	53.1	58.2	62.0	67.0	69.6	68.9	67.5
Water Year Types[b,c]												
Wet (32%)	61.0	56.0	50.0	45.8	46.7	51.1	54.8	58.4	63.0	67.6	66.3	65.9
Above Normal (15%)	62.2	55.2	48.7	46.8	47.6	51.8	56.5	60.0	65.7	68.2	67.8	66.3
Below Normal (17%)	62.3	55.2	48.5	46.5	47.4	53.1	58.6	61.5	67.0	68.0	69.0	66.8
Dry (22%)	63.8	55.8	48.6	46.4	48.7	54.3	60.8	64.9	69.6	70.7	70.1	68.6
Critical (15%)	64.9	56.0	48.3	47.0	50.3	56.7	62.7	68.0	73.0	75.6	74.0	71.6

Table 6C-15-3c. American River at the Mouth, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (above the confluence with the Sacramento

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.5	0.0
20%	-0.1	0.0	0.0	0.0	-0.2	0.0	0.2	0.3	-0.2	0.4	0.0	0.0
30%	0.0	-0.1	0.1	0.1	0.0	0.0	0.2	-0.3	0.3	0.1	0.0	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1
50%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.0
60%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
90%	0.0	-0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	0.0
Dry (22%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.1	-0.1	0.1	0.2	0.0	0.0
Critical (15%)	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.3	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-15-4a. American River at the Mouth, No Action Alternative 011221, Monthly Temperature (above the confluence with the Sacramento River)(DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	65.6	57.0	51.0	47.8	50.2	56.6	63.3	68.4	74.2	74.2	73.6	70.8
20%	64.3	56.5	50.2	47.2	49.2	55.3	61.3	66.9	70.9	71.6	71.0	69.3
30%	63.5	56.3	49.5	46.9	48.5	54.2	60.3	65.0	67.9	69.9	69.8	68.1
40%	62.8	56.0	49.2	46.6	48.1	53.5	59.4	62.3	67.1	68.9	69.4	67.5
50%	62.6	55.8	49.0	46.4	47.7	52.9	58.3	60.2	66.2	68.5	68.4	66.9
60%	62.4	55.3	48.5	46.1	47.3	52.1	56.4	59.1	64.9	68.0	67.8	66.4
70%	61.7	55.2	48.0	45.7	46.9	51.6	55.5	58.6	64.1	67.8	67.1	66.1
80%	60.9	54.8	47.6	45.3	46.5	51.1	54.0	58.2	63.2	67.3	66.4	65.8
90%	59.7	54.5	46.8	44.9	46.0	50.2	53.5	56.9	61.5	66.8	65.2	65.1
Long Term												
Full Simulation Period[a]	62.6	55.7	48.9	46.4	47.9	53.1	58.1	62.0	66.9	69.5	68.9	67.5
Water Year Types[b,c]												
Wet (32%)	61.0	56.0	50.0	45.8	46.7	51.1	54.8	58.4	63.0	67.6	66.3	65.9
Above Normal (15%)	62.3	55.2	48.7	46.8	47.6	51.8	56.5	60.0	65.6	68.1	67.7	66.4
Below Normal (17%)	62.3	55.2	48.4	46.4	47.4	53.1	58.6	61.5	67.0	67.9	69.0	66.8
Dry (22%)	63.9	55.8	48.5	46.4	48.7	54.3	60.8	64.9	69.6	70.5	70.1	68.6
Critical (15%)	64.9	56.0	48.2	47.0	50.4	56.7	62.5	67.9	72.9	75.5	73.7	71.5

Table 6C-15-4b. American River at the Mouth, Alternative 3 020121, Monthly Temperature (above the confluence with the Sacramento River)(DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	65.6	57.1	51.0	47.8	50.2	56.6	63.3	68.7	75.0	74.0	73.0	70.8
20%	64.3	56.5	50.3	47.2	49.4	55.3	61.5	67.3	72.1	71.9	70.5	69.3
30%	63.3	56.2	49.5	47.0	48.6	54.1	60.0	65.7	68.4	70.2	69.5	68.2
40%	62.9	56.0	49.3	46.7	48.1	53.5	59.3	62.3	67.3	69.6	69.2	67.5
50%	62.6	55.8	49.0	46.5	47.7	52.9	58.3	60.2	66.4	68.9	68.5	66.9
60%	62.2	55.4	48.7	46.1	47.3	52.1	56.4	59.1	65.3	68.5	67.8	66.3
70%	61.6	55.2	48.1	45.7	46.9	51.6	55.5	58.6	64.1	68.0	67.1	66.1
80%	61.0	54.9	47.8	45.4	46.5	51.1	54.0	58.2	63.2	67.5	66.4	65.8
90%	59.7	54.6	47.1	45.0	46.0	50.2	53.5	56.9	61.5	66.8	65.2	65.2
Long Term												
Full Simulation Period[a]	62.6	55.8	49.1	46.4	48.0	53.1	58.1	62.1	67.1	69.8	68.8	67.5
Water Year Types[b,c]												
Wet (32%)	61.0	56.0	50.0	45.9	46.7	51.1	54.8	58.4	63.0	67.6	66.3	65.9
Above Normal (15%)	62.1	55.4	48.9	46.9	47.6	51.8	56.5	60.0	65.8	68.8	67.7	66.6
Below Normal (17%)	62.2	55.3	48.7	46.5	47.4	53.1	58.6	61.5	67.1	68.4	69.0	66.7
Dry (22%)	63.6	55.8	48.8	46.5	48.8	54.3	60.7	65.2	69.9	71.0	69.8	68.4
Critical (15%)	65.0	55.9	48.2	47.0	50.6	56.7	62.3	68.2	73.0	75.5	73.4	71.5

Table 6C-15-4c. American River at the Mouth, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (above the confluence with the Sacramento

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.8	-0.2	-0.5	0.0
20%	0.0	0.0	0.1	0.1	0.1	0.0	0.2	0.4	1.2	0.3	-0.6	0.0
30%	-0.2	-0.1	0.0	0.1	0.1	0.0	-0.3	0.7	0.4	0.3	-0.3	0.0
40%	0.2	0.0	0.1	0.1	0.0	0.0	-0.2	0.0	0.2	0.7	-0.2	0.0
50%	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.4	0.1	0.0
60%	-0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.0	-0.1
70%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
80%	0.0	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
90%	0.0	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Long Term												
Full Simulation Period[a]	-0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.3	-0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	-0.1	0.2	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.7	-0.1	0.2
Below Normal (17%)	-0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.0	0.0
Dry (22%)	-0.3	0.0	0.2	0.2	0.0	0.0	-0.1	0.3	0.4	0.5	-0.3	-0.1
Critical (15%)	0.2	0.0	0.0	0.0	0.2	0.0	-0.2	0.3	0.1	-0.1	-0.3	0.0

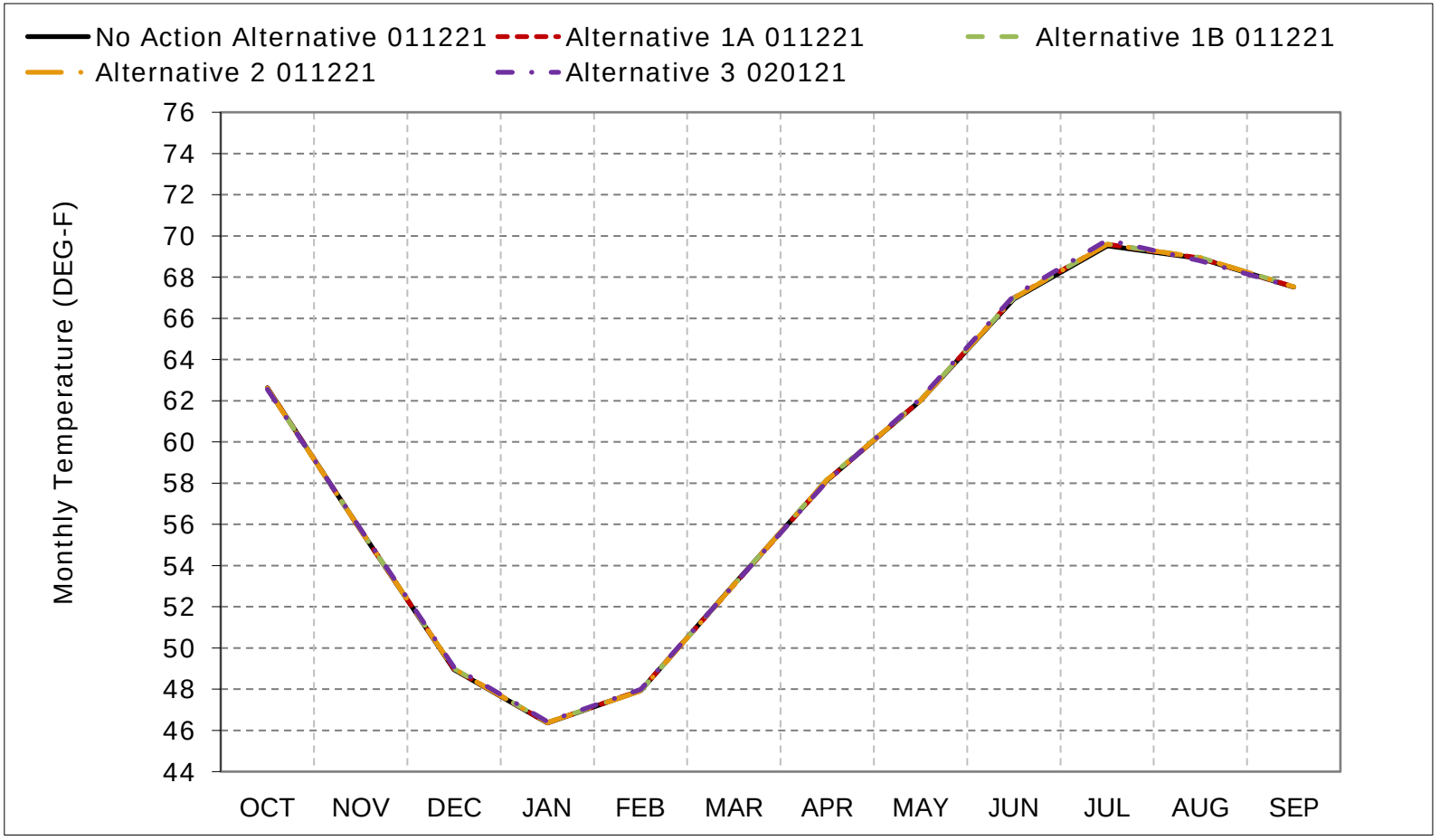
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

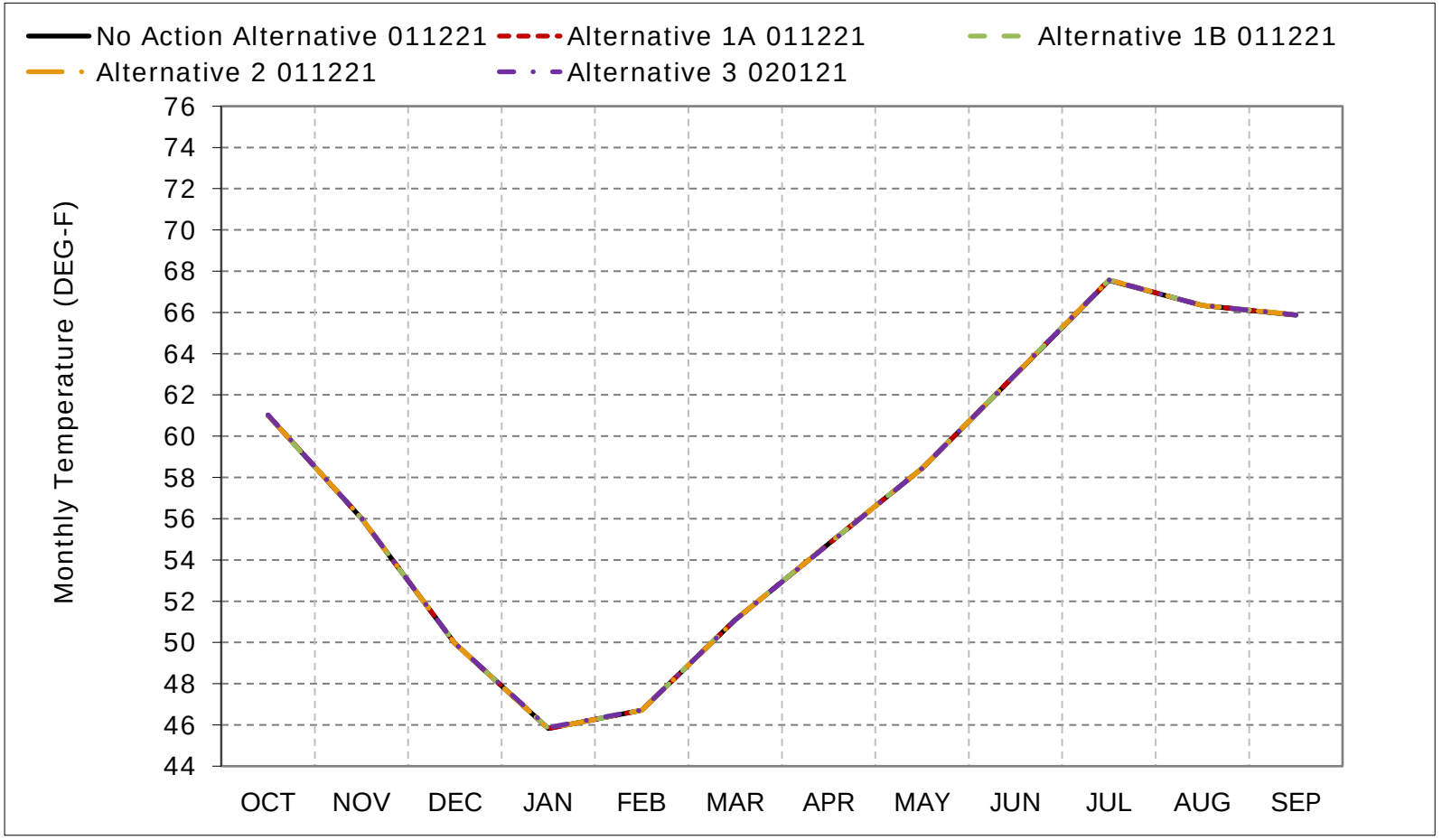
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-15-1. American River at the Mouth, Long-Term Average Temperature



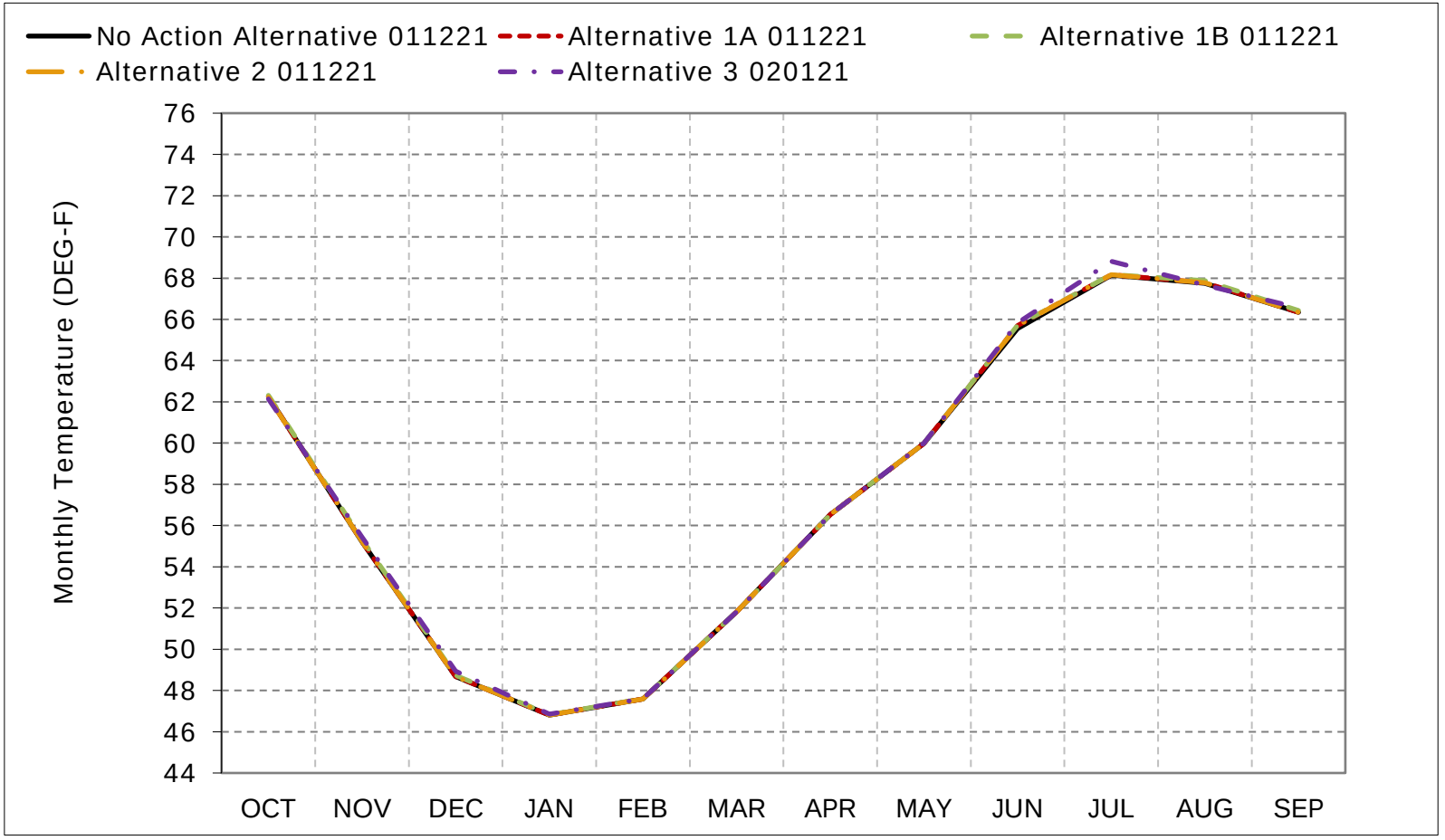
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-15-2. American River at the Mouth, Wet Year Average Temperature



*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-15-3. American River at the Mouth, Above Normal Year Average Temperature

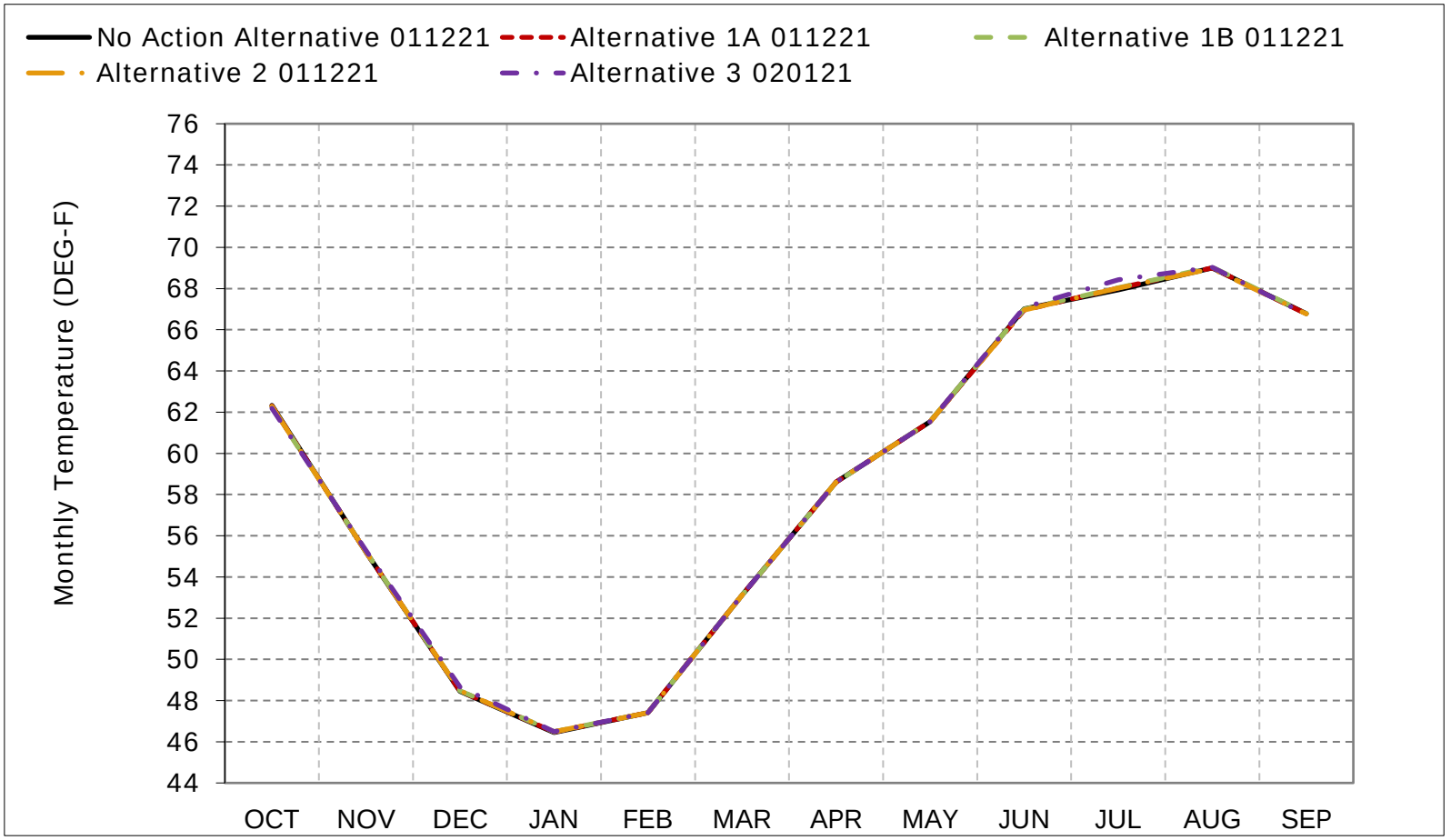


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

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

Figure 6C-15-4. American River at the Mouth, Below Normal Year Average Temperature

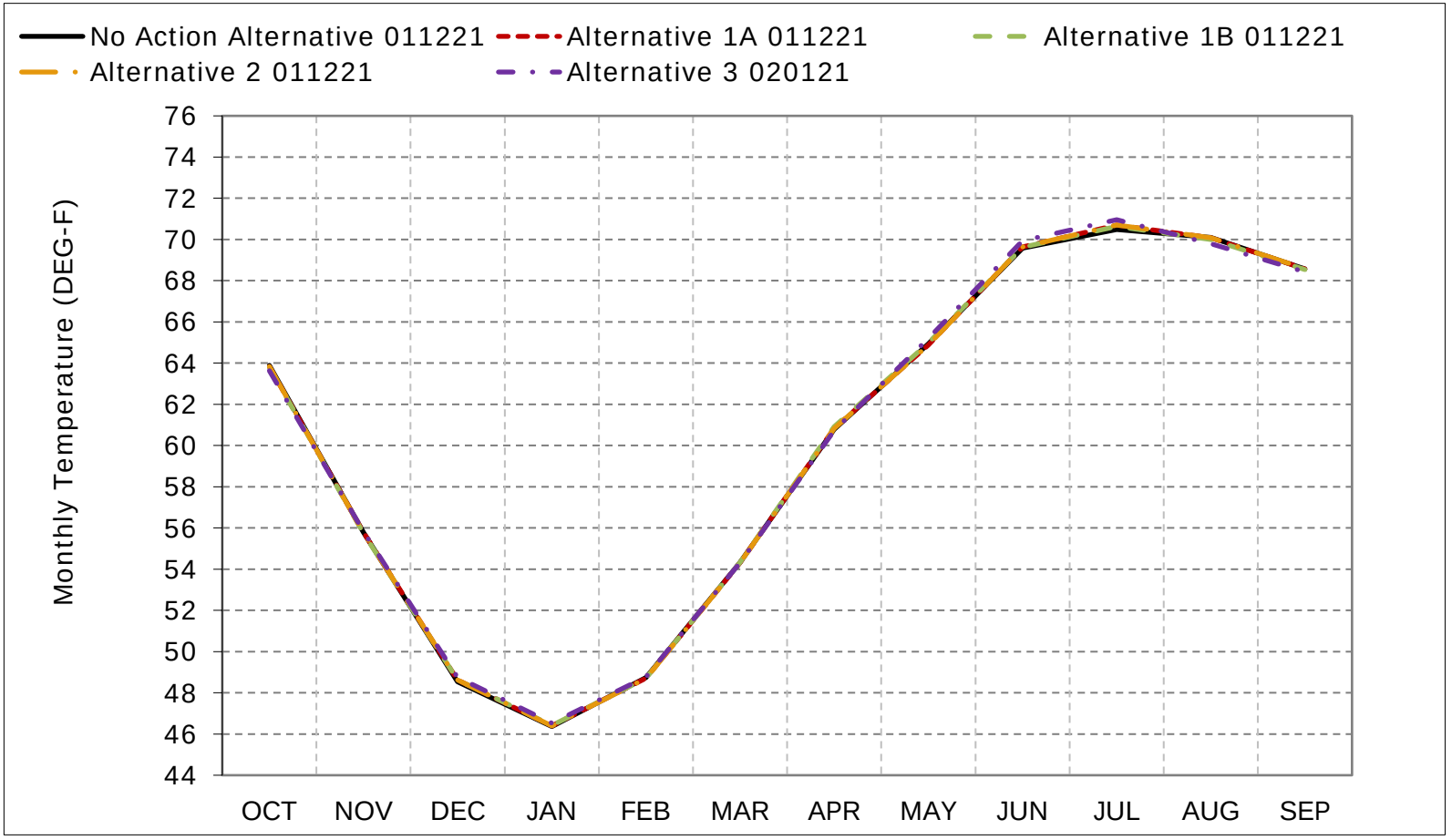


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

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

Figure 6C-15-5. American River at the Mouth, Dry Year Average Temperature

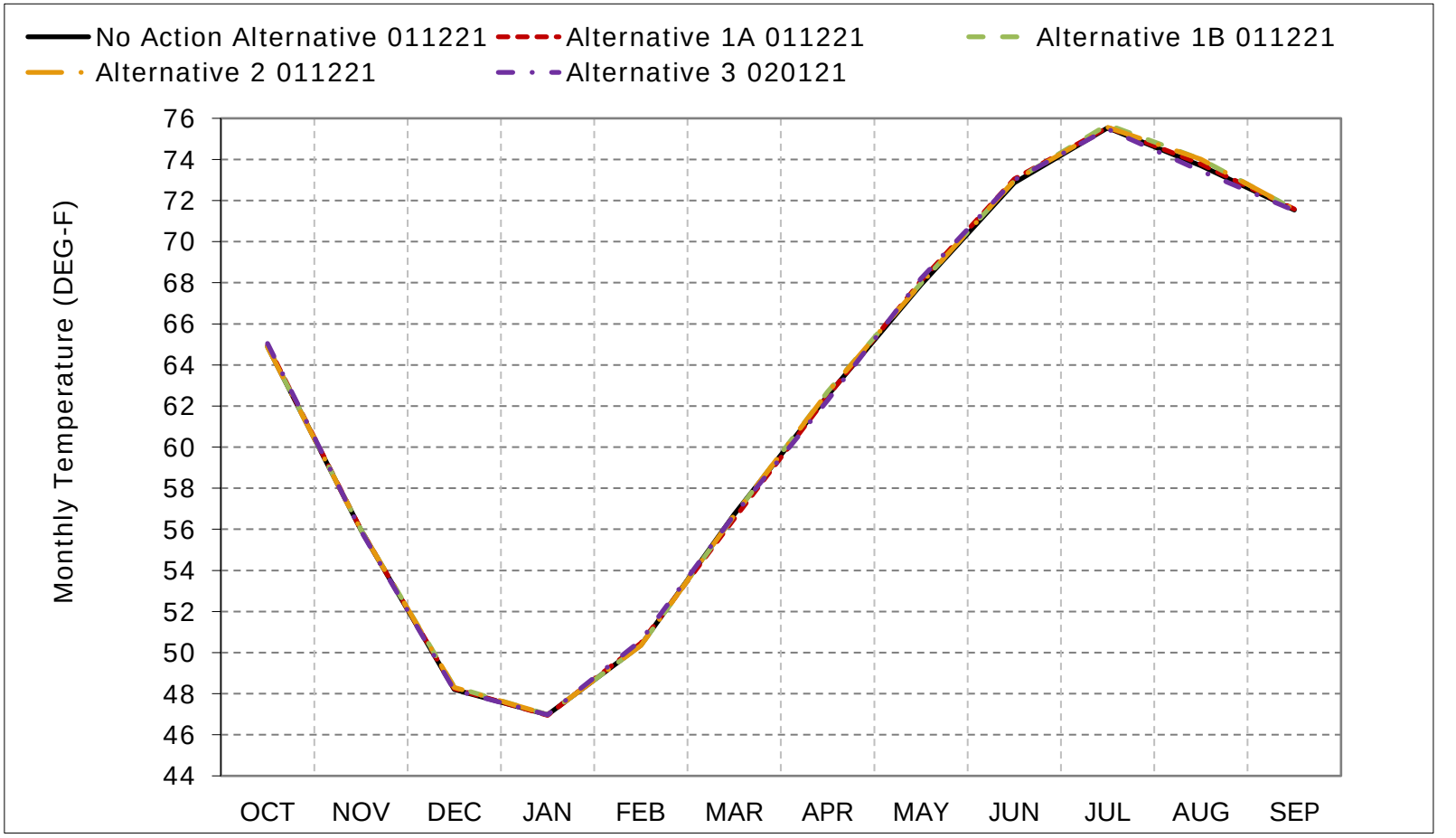


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

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

Figure 6C-15-6. American River at the Mouth, Critical Year Average Temperature

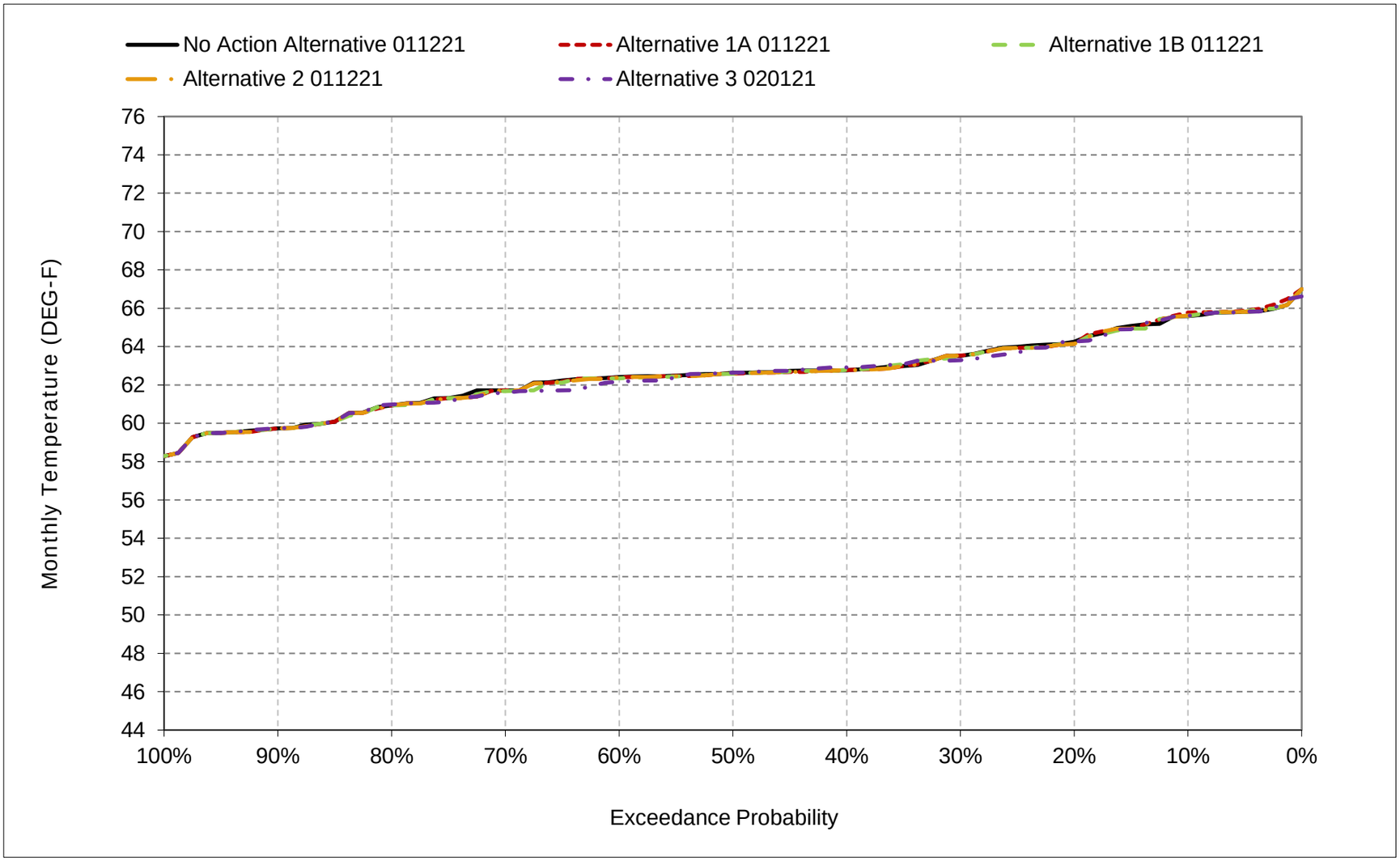


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

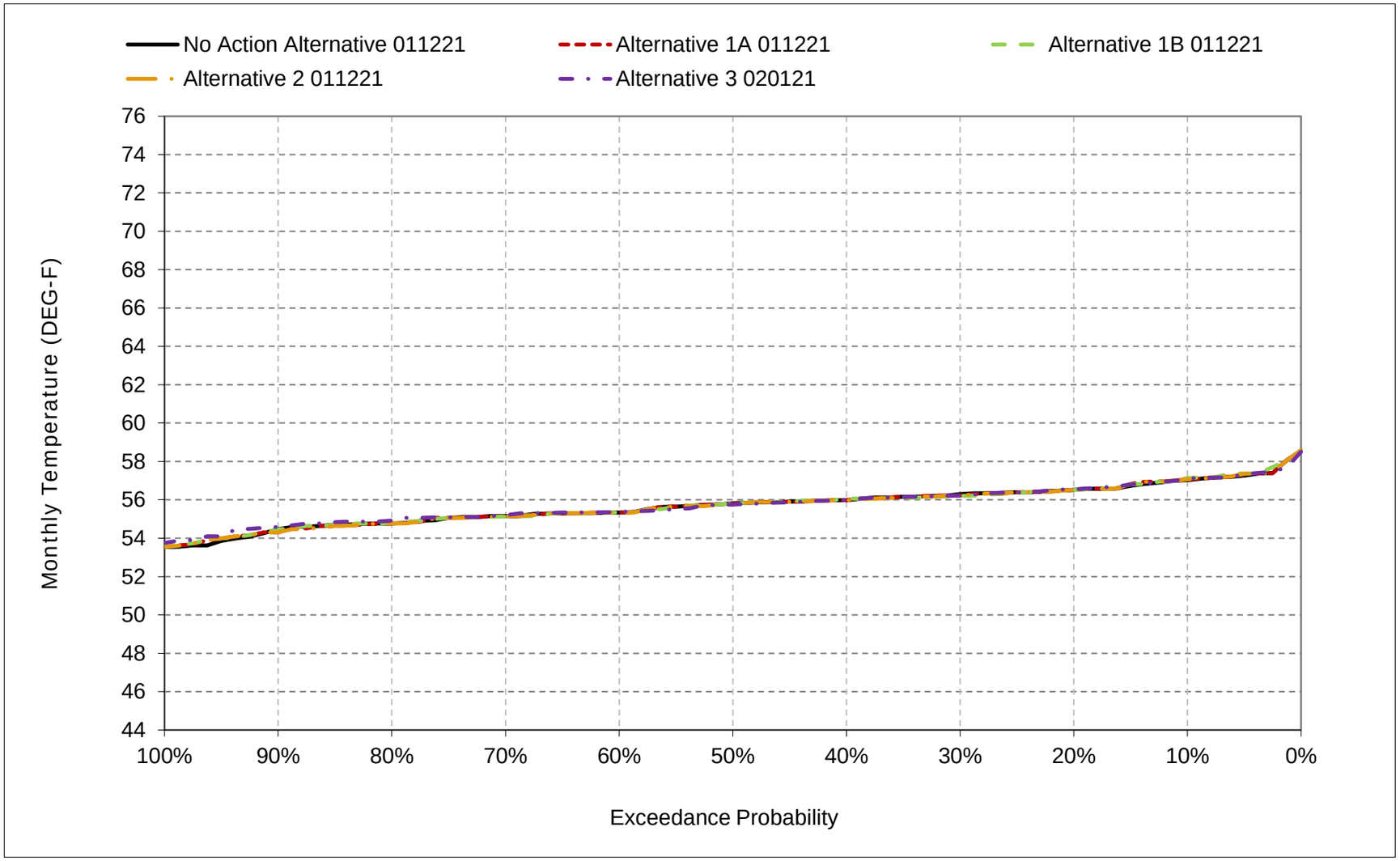
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-15-7. American River at the Mouth, October



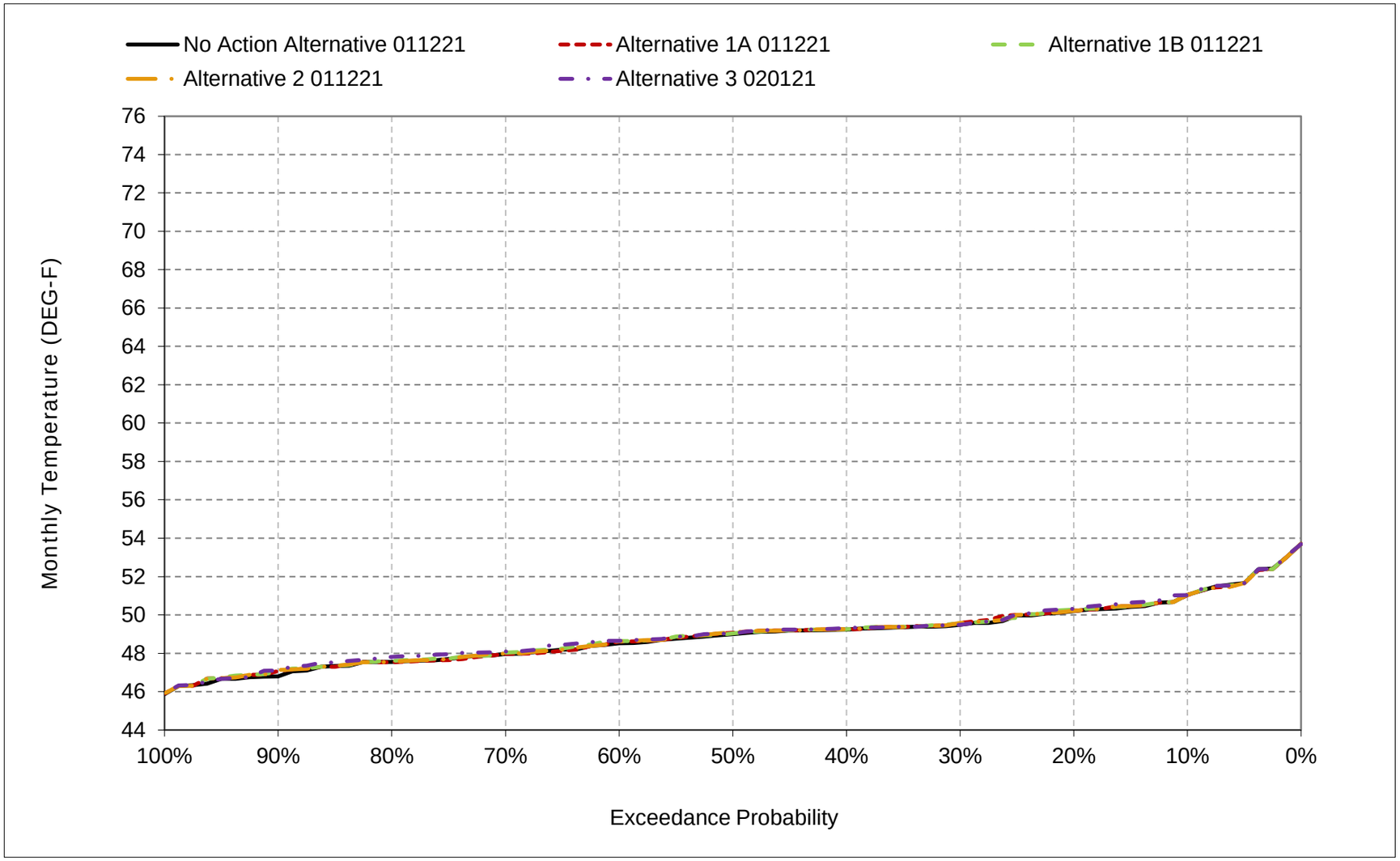
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-15-8. American River at the Mouth, November



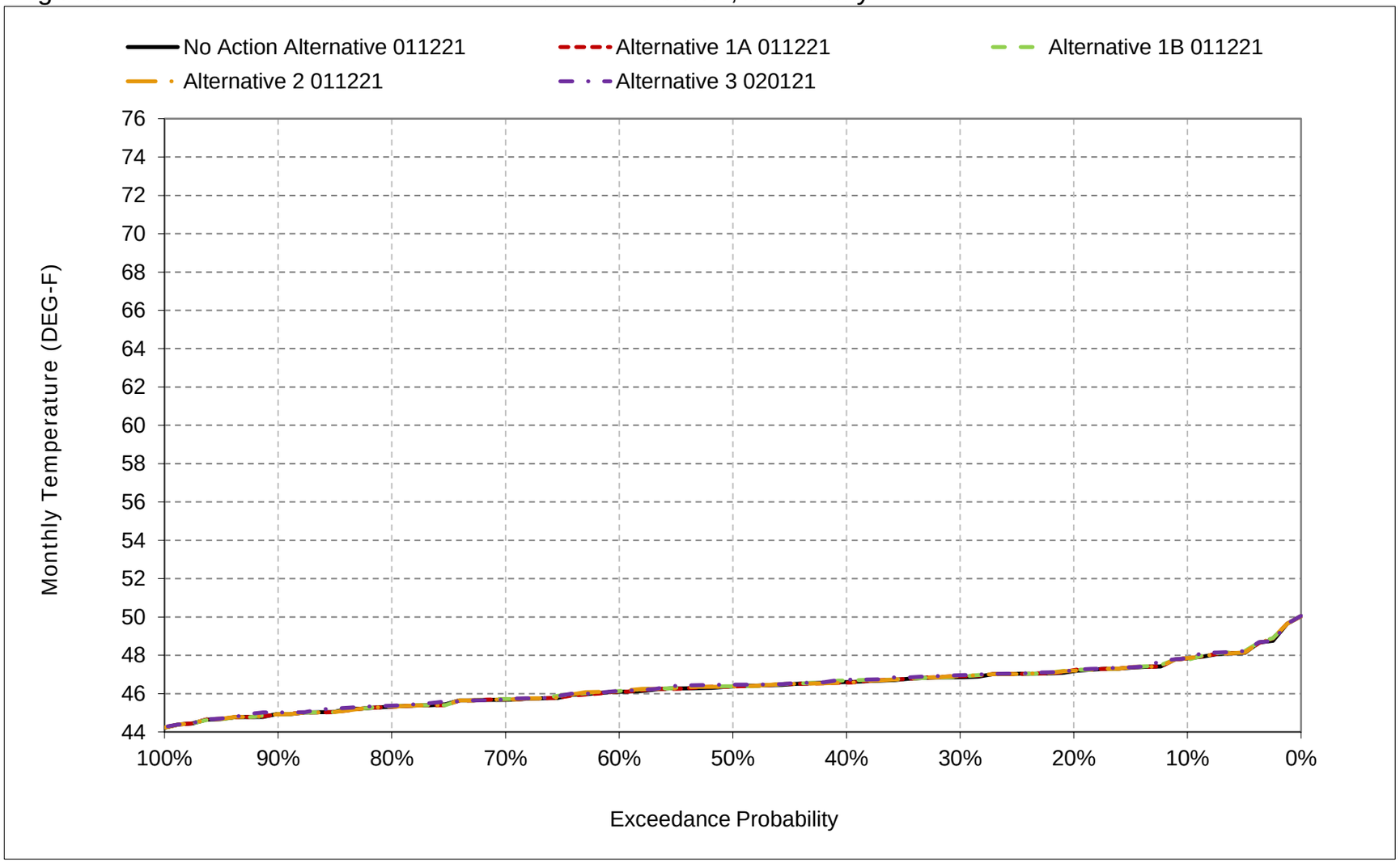
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-15-9. American River at the Mouth, December



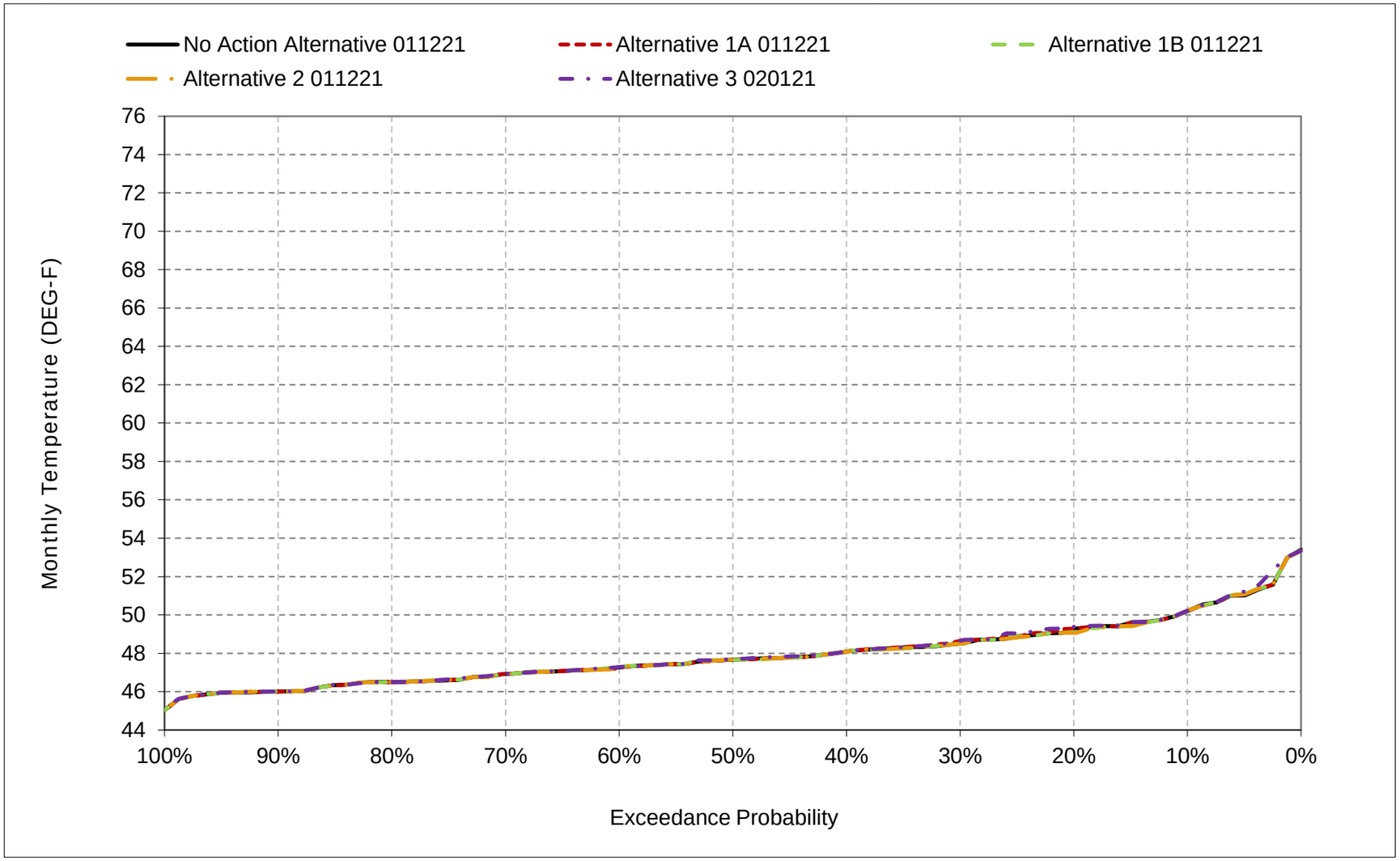
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-15-10. American River at the Mouth, January



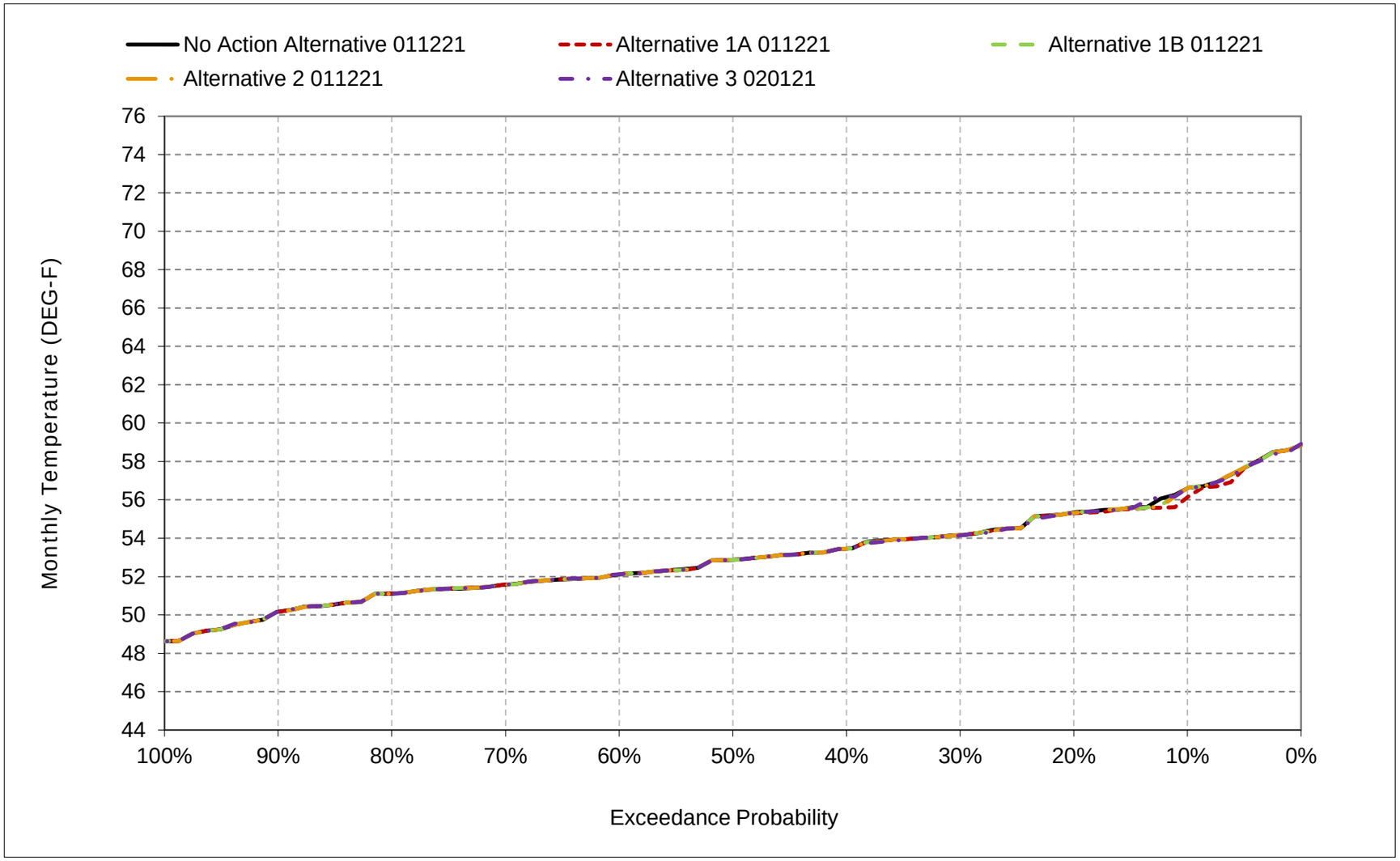
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-15-11. American River at the Mouth, February



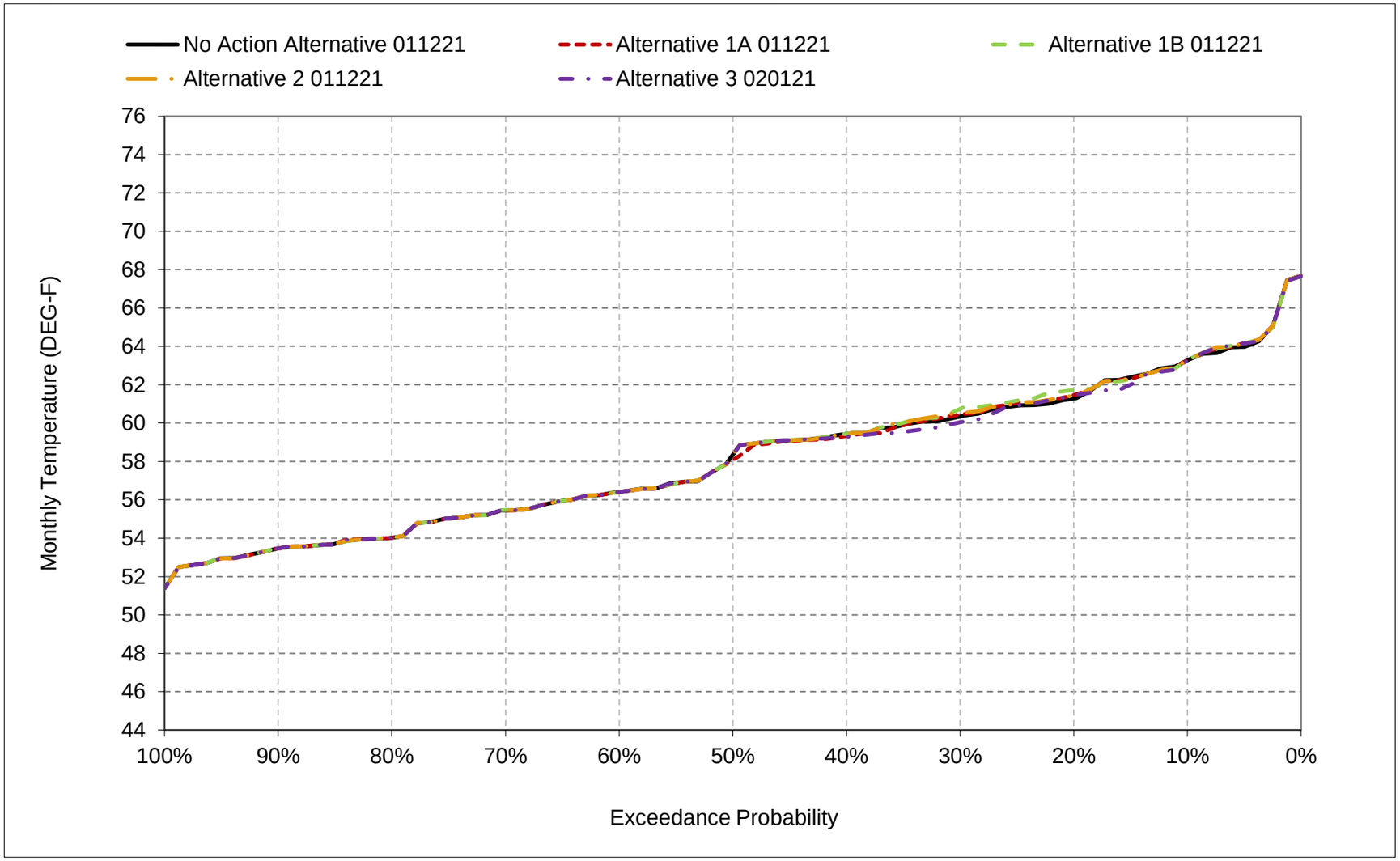
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-15-12. American River at the Mouth, March



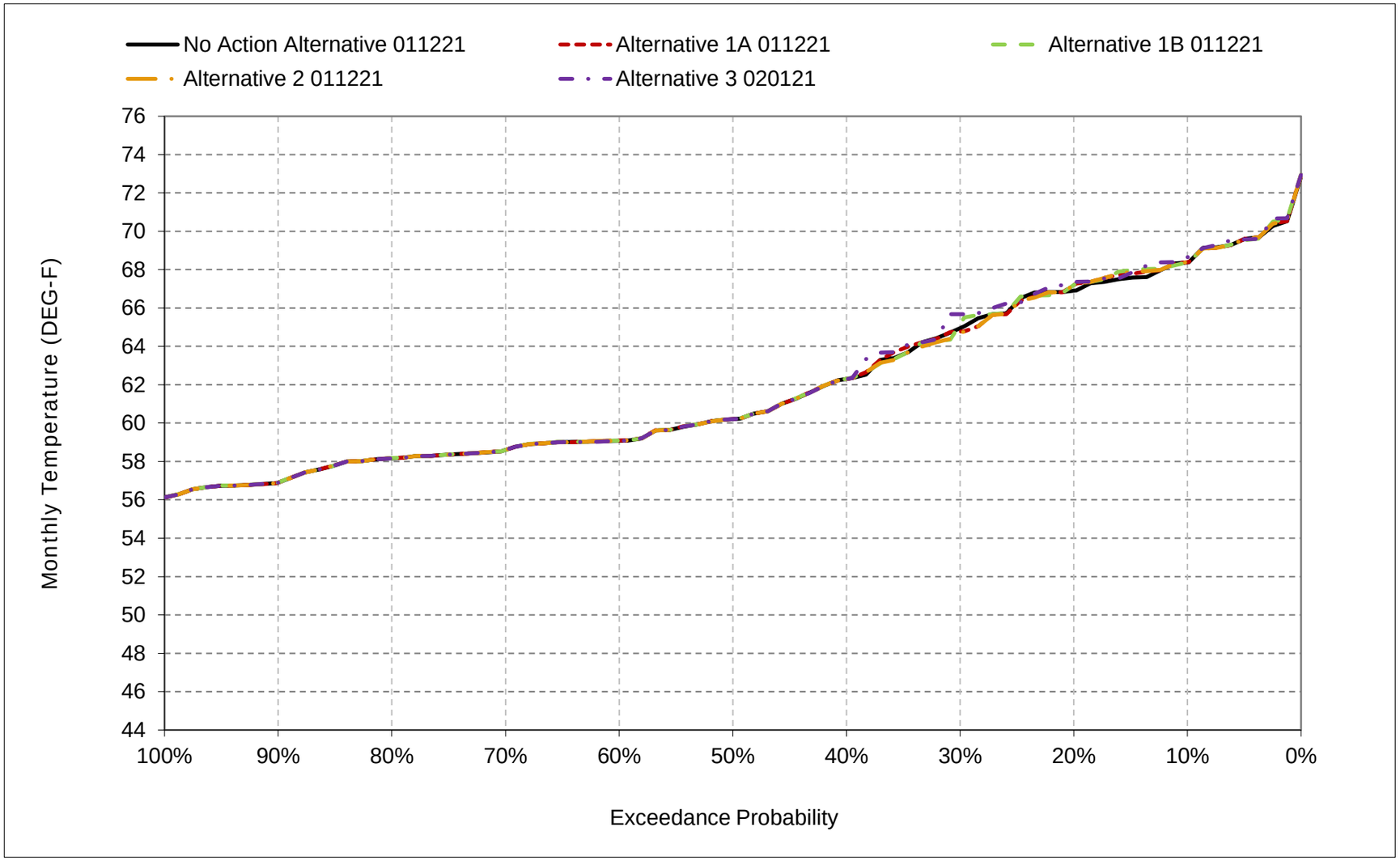
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-15-13. American River at the Mouth, April



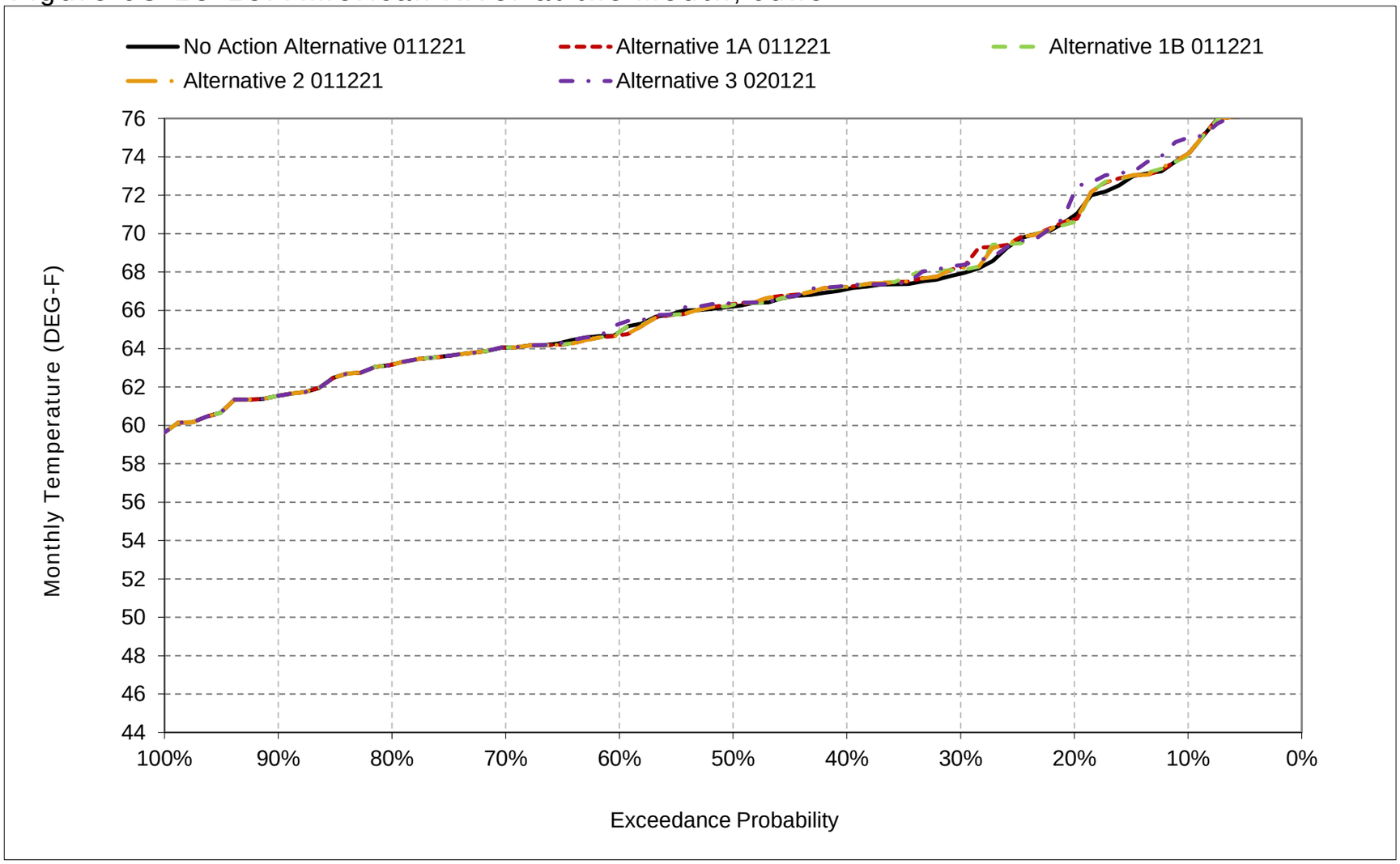
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-15-14. American River at the Mouth, May



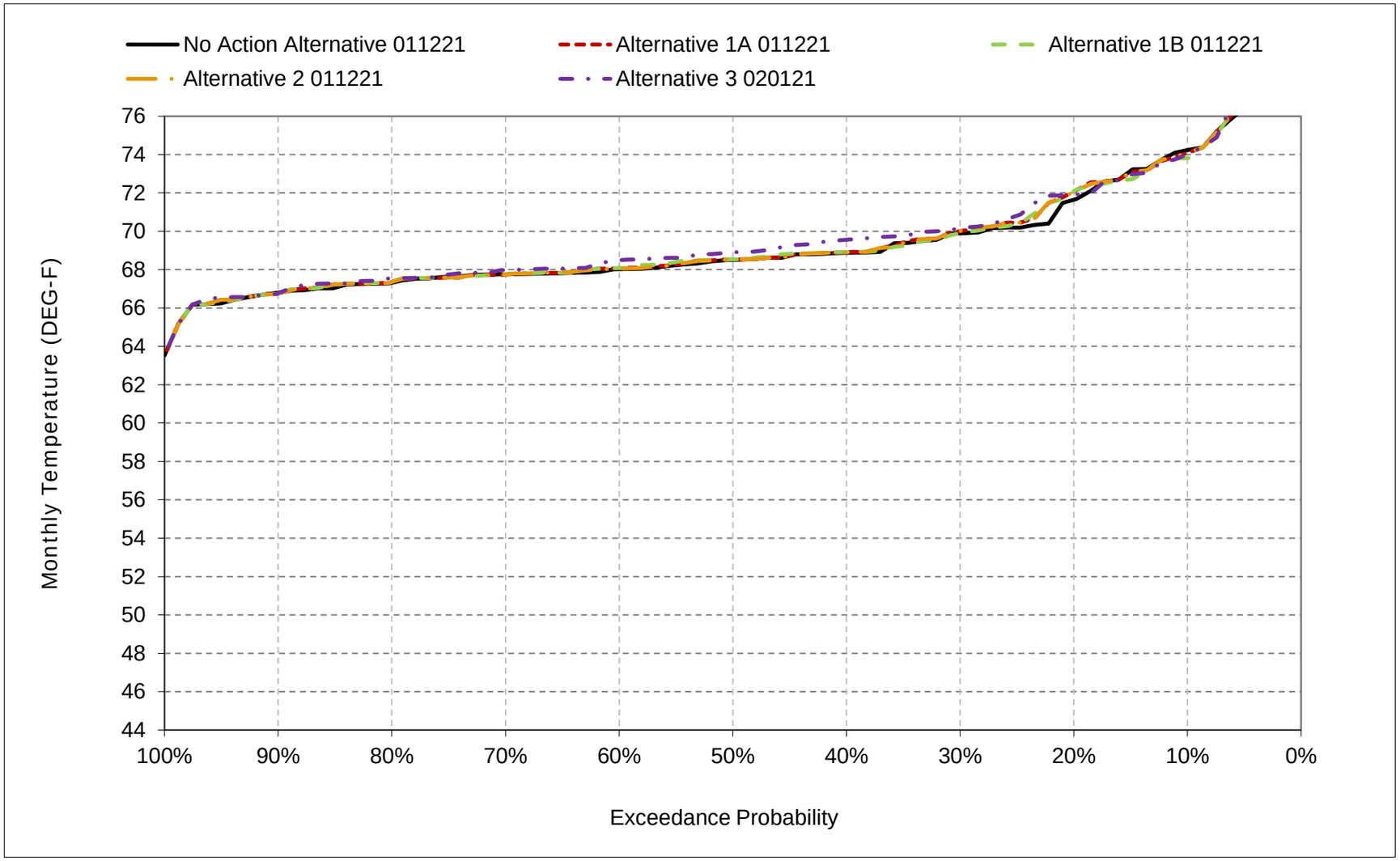
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-15-15. American River at the Mouth, June



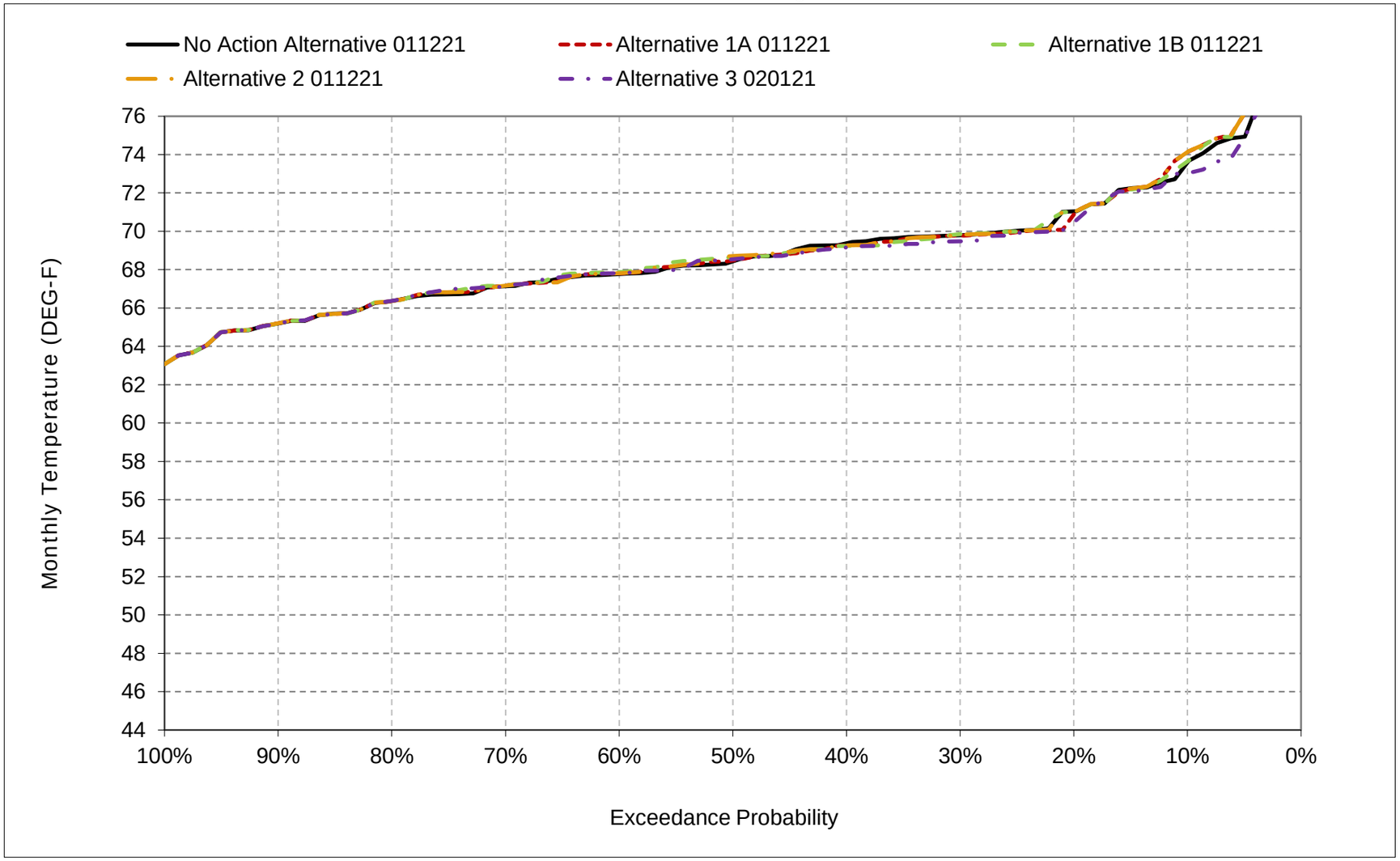
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-15-16. American River at the Mouth, July



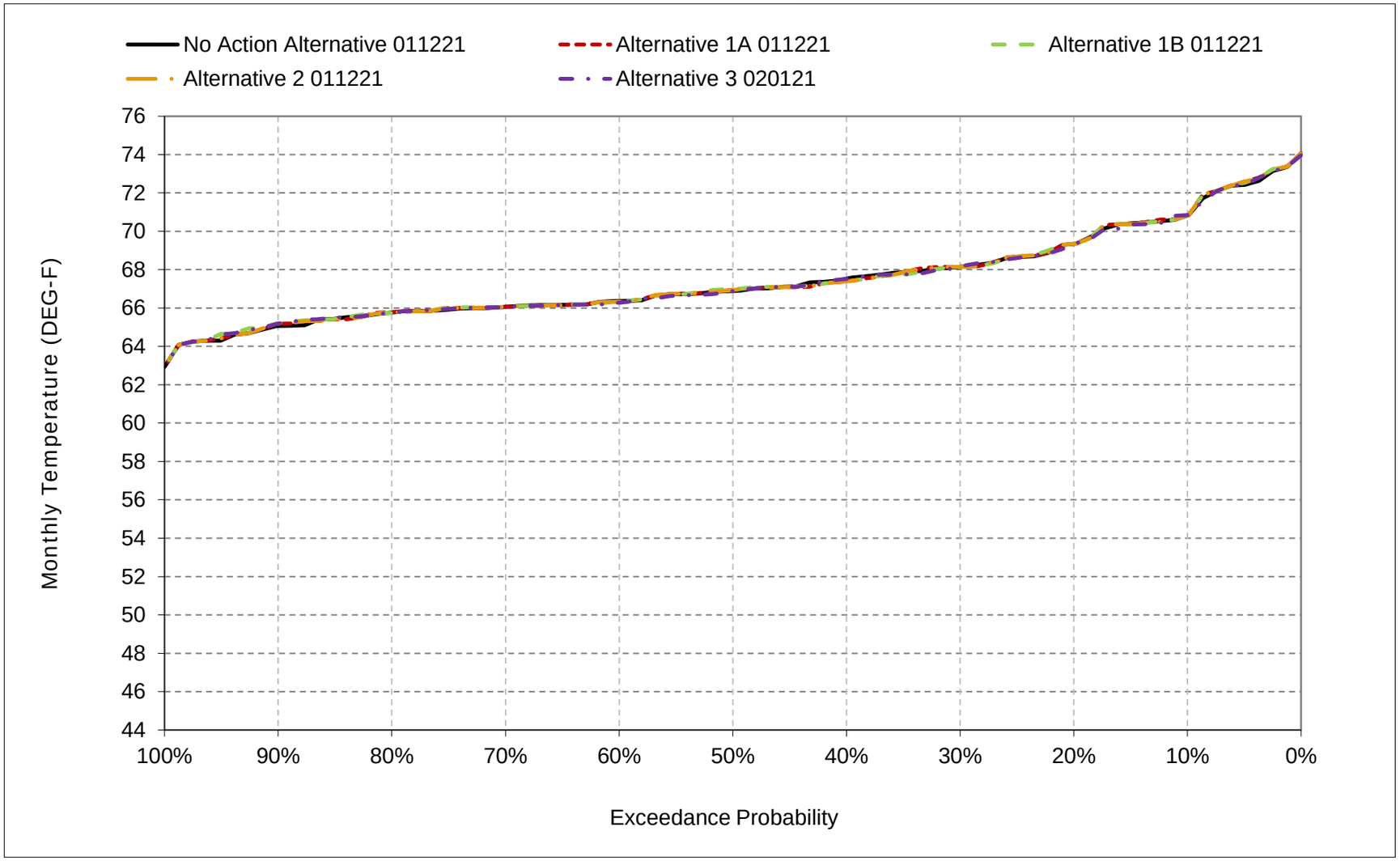
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-15-17. American River at the Mouth, August



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

Figure 6C-15-18. American River at the Mouth, September



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

Table 6C-16-1a. Feather River Low Flow Channel, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.4	53.9	51.5	49.7	50.1	52.1	52.7	56.4	58.2	62.1	61.7	57.4
20%	53.8	52.7	50.4	48.5	49.7	51.4	52.2	56.1	58.1	61.6	61.4	56.7
30%	53.6	52.5	49.9	48.3	49.2	50.8	51.8	55.9	57.8	61.4	61.1	56.3
40%	53.5	52.3	49.4	48.0	48.7	50.2	51.7	55.7	57.6	61.2	60.9	55.8
50%	53.3	52.2	49.1	47.6	48.4	49.7	51.5	55.6	57.5	61.0	60.6	55.3
60%	53.1	52.1	48.9	47.4	48.0	49.2	51.2	55.2	57.3	60.9	60.0	54.9
70%	53.0	52.0	48.7	47.1	47.5	48.6	50.9	55.0	57.2	60.8	59.9	54.7
80%	52.9	52.0	48.5	46.8	47.1	48.4	50.6	54.5	57.1	60.7	59.7	54.5
90%	52.8	51.9	48.2	46.4	46.7	47.9	50.2	54.3	56.8	60.6	59.6	54.3
Long Term												
Full Simulation Period[a]	53.9	52.7	49.5	47.8	48.4	49.9	51.4	55.4	57.5	61.2	60.6	55.9
Water Year Types[b,c]												
Wet (32%)	53.0	52.2	49.2	47.8	47.9	48.5	50.5	54.8	57.3	61.4	60.5	54.7
Above Normal (15%)	53.0	52.0	49.2	47.6	48.0	49.4	51.5	55.7	57.8	60.9	59.9	54.4
Below Normal (17%)	53.5	52.3	49.3	47.6	48.3	50.4	52.0	55.8	57.9	60.9	59.8	56.0
Dry (22%)	53.6	52.8	49.9	47.8	48.8	51.0	52.0	55.6	57.4	61.1	61.4	56.5
Critical (15%)	57.5	54.7	49.8	48.1	49.5	51.2	51.7	55.7	57.4	61.5	61.5	59.0

Table 6C-16-1b. Feather River Low Flow Channel, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.3	54.3	51.5	49.7	50.1	52.4	52.7	56.4	58.4	62.1	61.6	57.2
20%	53.7	52.7	50.4	48.6	49.7	51.4	52.2	56.1	58.2	61.7	61.2	56.6
30%	53.4	52.5	50.0	48.3	49.2	50.8	51.8	55.9	58.0	61.3	61.1	56.2
40%	53.3	52.3	49.4	48.0	48.7	50.2	51.7	55.7	57.8	61.2	60.8	55.9
50%	53.1	52.2	49.0	47.6	48.4	49.7	51.5	55.6	57.6	61.0	60.5	55.3
60%	53.1	52.1	48.9	47.4	48.0	49.1	51.2	55.2	57.4	60.9	60.0	54.9
70%	53.0	52.0	48.7	47.1	47.6	48.6	50.9	55.0	57.3	60.8	59.9	54.7
80%	52.9	52.0	48.5	46.8	47.1	48.4	50.6	54.5	57.2	60.7	59.7	54.5
90%	52.8	51.9	48.2	46.4	46.6	47.9	50.2	54.3	56.9	60.6	59.6	54.3
Long Term												
Full Simulation Period[a]	53.8	52.7	49.5	47.8	48.4	49.9	51.4	55.4	57.6	61.2	60.6	55.9
Water Year Types[b,c]												
Wet (32%)	53.0	52.2	49.2	47.8	47.9	48.5	50.5	54.8	57.3	61.4	60.5	54.7
Above Normal (15%)	53.0	52.0	49.2	47.6	48.0	49.5	51.5	55.7	57.8	60.9	59.9	54.4
Below Normal (17%)	53.4	52.3	49.4	47.6	48.3	50.4	52.0	55.8	57.9	60.9	59.8	56.0
Dry (22%)	53.4	52.9	50.0	47.8	48.8	51.0	52.0	55.6	57.6	61.2	61.2	56.4
Critical (15%)	57.7	54.8	49.8	48.1	49.5	51.3	51.7	55.7	57.6	61.5	61.3	59.0

Table 6C-16-1c. Feather River Low Flow Channel, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.0	-0.1	-0.2
20%	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	-0.2	-0.1
30%	-0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	-0.1	0.0	-0.1
40%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.1	0.1
50%	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
60%	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	-0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	-0.1
Critical (15%)	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	-0.2	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-16-2a. Feather River Low Flow Channel, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.4	53.9	51.5	49.7	50.1	52.1	52.7	56.4	58.2	62.1	61.7	57.4
20%	53.8	52.7	50.4	48.5	49.7	51.4	52.2	56.1	58.1	61.6	61.4	56.7
30%	53.6	52.5	49.9	48.3	49.2	50.8	51.8	55.9	57.8	61.4	61.1	56.3
40%	53.5	52.3	49.4	48.0	48.7	50.2	51.7	55.7	57.6	61.2	60.9	55.8
50%	53.3	52.2	49.1	47.6	48.4	49.7	51.5	55.6	57.5	61.0	60.6	55.3
60%	53.1	52.1	48.9	47.4	48.0	49.2	51.2	55.2	57.3	60.9	60.0	54.9
70%	53.0	52.0	48.7	47.1	47.5	48.6	50.9	55.0	57.2	60.8	59.9	54.7
80%	52.9	52.0	48.5	46.8	47.1	48.4	50.6	54.5	57.1	60.7	59.7	54.5
90%	52.8	51.9	48.2	46.4	46.7	47.9	50.2	54.3	56.8	60.6	59.6	54.3
Long Term												
Full Simulation Period[a]	53.9	52.7	49.5	47.8	48.4	49.9	51.4	55.4	57.5	61.2	60.6	55.9
Water Year Types[b,c]												
Wet (32%)	53.0	52.2	49.2	47.8	47.9	48.5	50.5	54.8	57.3	61.4	60.5	54.7
Above Normal (15%)	53.0	52.0	49.2	47.6	48.0	49.4	51.5	55.7	57.8	60.9	59.9	54.4
Below Normal (17%)	53.5	52.3	49.3	47.6	48.3	50.4	52.0	55.8	57.9	60.9	59.8	56.0
Dry (22%)	53.6	52.8	49.9	47.8	48.8	51.0	52.0	55.6	57.4	61.1	61.4	56.5
Critical (15%)	57.5	54.7	49.8	48.1	49.5	51.2	51.7	55.7	57.4	61.5	61.5	59.0

Table 6C-16-2b. Feather River Low Flow Channel, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.3	54.2	51.5	49.7	50.1	52.4	52.7	56.4	58.4	62.1	61.6	57.2
20%	53.8	52.7	50.4	48.6	49.7	51.4	52.2	56.1	58.2	61.7	61.2	56.6
30%	53.5	52.5	50.0	48.3	49.2	50.8	51.8	56.0	58.0	61.3	61.0	56.1
40%	53.3	52.3	49.4	48.0	48.8	50.2	51.7	55.7	57.8	61.2	60.8	55.8
50%	53.1	52.2	49.0	47.6	48.4	49.7	51.5	55.5	57.6	61.0	60.5	55.3
60%	53.1	52.1	48.8	47.4	48.0	49.1	51.2	55.2	57.4	60.9	60.0	54.9
70%	53.0	52.0	48.7	47.1	47.6	48.6	50.9	55.1	57.3	60.8	59.9	54.7
80%	52.9	52.0	48.5	46.8	47.1	48.3	50.6	54.5	57.2	60.7	59.7	54.5
90%	52.8	51.9	48.2	46.4	46.6	47.9	50.2	54.3	56.9	60.6	59.6	54.3
Long Term												
Full Simulation Period[a]	53.8	52.7	49.5	47.8	48.4	49.9	51.4	55.4	57.6	61.2	60.6	55.9
Water Year Types[b,c]												
Wet (32%)	53.0	52.2	49.2	47.8	47.9	48.5	50.5	54.8	57.3	61.4	60.5	54.7
Above Normal (15%)	53.0	52.0	49.2	47.6	48.0	49.5	51.5	55.7	57.8	60.9	59.9	54.4
Below Normal (17%)	53.4	52.3	49.4	47.6	48.3	50.4	52.0	55.8	57.9	60.9	59.8	55.9
Dry (22%)	53.3	52.9	50.0	47.8	48.8	51.0	52.0	55.6	57.6	61.1	61.2	56.4
Critical (15%)	57.7	54.8	49.8	48.1	49.5	51.3	51.7	55.7	57.6	61.5	61.3	59.1

Table 6C-16-2c. Feather River Low Flow Channel, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	0.3	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.0	-0.1	-0.2
20%	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	-0.2	-0.1
30%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.2	-0.1	-0.1	-0.2
40%	-0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.2	0.0	-0.1	0.0
50%	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	-0.1	0.0
60%	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	0.1	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Dry (22%)	-0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.2	-0.1
Critical (15%)	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.2	-0.1	-0.2	0.1

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-16-3a. Feather River Low Flow Channel, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.4	53.9	51.5	49.7	50.1	52.1	52.7	56.4	58.2	62.1	61.7	57.4
20%	53.8	52.7	50.4	48.5	49.7	51.4	52.2	56.1	58.1	61.6	61.4	56.7
30%	53.6	52.5	49.9	48.3	49.2	50.8	51.8	55.9	57.8	61.4	61.1	56.3
40%	53.5	52.3	49.4	48.0	48.7	50.2	51.7	55.7	57.6	61.2	60.9	55.8
50%	53.3	52.2	49.1	47.6	48.4	49.7	51.5	55.6	57.5	61.0	60.6	55.3
60%	53.1	52.1	48.9	47.4	48.0	49.2	51.2	55.2	57.3	60.9	60.0	54.9
70%	53.0	52.0	48.7	47.1	47.5	48.6	50.9	55.0	57.2	60.8	59.9	54.7
80%	52.9	52.0	48.5	46.8	47.1	48.4	50.6	54.5	57.1	60.7	59.7	54.5
90%	52.8	51.9	48.2	46.4	46.7	47.9	50.2	54.3	56.8	60.6	59.6	54.3
Long Term												
Full Simulation Period[a]	53.9	52.7	49.5	47.8	48.4	49.9	51.4	55.4	57.5	61.2	60.6	55.9
Water Year Types[b,c]												
Wet (32%)	53.0	52.2	49.2	47.8	47.9	48.5	50.5	54.8	57.3	61.4	60.5	54.7
Above Normal (15%)	53.0	52.0	49.2	47.6	48.0	49.4	51.5	55.7	57.8	60.9	59.9	54.4
Below Normal (17%)	53.5	52.3	49.3	47.6	48.3	50.4	52.0	55.8	57.9	60.9	59.8	56.0
Dry (22%)	53.6	52.8	49.9	47.8	48.8	51.0	52.0	55.6	57.4	61.1	61.4	56.5
Critical (15%)	57.5	54.7	49.8	48.1	49.5	51.2	51.7	55.7	57.4	61.5	61.5	59.0

Table 6C-16-3b. Feather River Low Flow Channel, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.3	54.3	51.5	49.7	50.1	52.4	52.7	56.4	58.4	62.1	61.6	57.2
20%	53.7	52.8	50.4	48.6	49.7	51.4	52.2	56.1	58.2	61.7	61.2	56.5
30%	53.4	52.5	50.0	48.3	49.2	50.8	51.8	55.9	58.0	61.3	61.1	56.1
40%	53.3	52.3	49.4	48.0	48.7	50.2	51.7	55.7	57.7	61.2	60.8	55.9
50%	53.1	52.2	49.0	47.6	48.4	49.7	51.5	55.5	57.5	61.0	60.5	55.3
60%	53.1	52.1	48.9	47.4	48.0	49.1	51.2	55.2	57.4	60.9	60.0	54.9
70%	53.0	52.0	48.7	47.1	47.6	48.6	50.9	55.0	57.3	60.8	59.9	54.7
80%	52.9	52.0	48.5	46.8	47.1	48.4	50.6	54.5	57.2	60.7	59.7	54.5
90%	52.8	51.9	48.2	46.4	46.6	47.9	50.2	54.3	56.9	60.6	59.6	54.3
Long Term												
Full Simulation Period[a]	53.8	52.7	49.5	47.8	48.4	49.9	51.4	55.4	57.6	61.2	60.6	55.9
Water Year Types[b,c]												
Wet (32%)	53.0	52.2	49.2	47.8	47.9	48.5	50.5	54.8	57.3	61.4	60.5	54.7
Above Normal (15%)	53.0	52.0	49.2	47.6	48.0	49.5	51.5	55.7	57.8	60.9	59.9	54.4
Below Normal (17%)	53.4	52.3	49.4	47.6	48.3	50.4	52.0	55.8	57.9	60.9	59.8	56.0
Dry (22%)	53.4	52.9	50.0	47.8	48.8	51.0	52.0	55.6	57.6	61.2	61.2	56.4
Critical (15%)	57.6	54.8	49.8	48.1	49.5	51.3	51.7	55.7	57.6	61.5	61.3	59.0

Table 6C-16-3c. Feather River Low Flow Channel, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	0.4	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.0	-0.1	-0.2
20%	-0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	-0.2	-0.2
30%	-0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	-0.1	0.0	-0.2
40%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.1
50%	-0.2	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0
60%	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	-0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	-0.1
Critical (15%)	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	-0.2	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-16-4a. Feather River Low Flow Channel, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.4	53.9	51.5	49.7	50.1	52.1	52.7	56.4	58.2	62.1	61.7	57.4
20%	53.8	52.7	50.4	48.5	49.7	51.4	52.2	56.1	58.1	61.6	61.4	56.7
30%	53.6	52.5	49.9	48.3	49.2	50.8	51.8	55.9	57.8	61.4	61.1	56.3
40%	53.5	52.3	49.4	48.0	48.7	50.2	51.7	55.7	57.6	61.2	60.9	55.8
50%	53.3	52.2	49.1	47.6	48.4	49.7	51.5	55.6	57.5	61.0	60.6	55.3
60%	53.1	52.1	48.9	47.4	48.0	49.2	51.2	55.2	57.3	60.9	60.0	54.9
70%	53.0	52.0	48.7	47.1	47.5	48.6	50.9	55.0	57.2	60.8	59.9	54.7
80%	52.9	52.0	48.5	46.8	47.1	48.4	50.6	54.5	57.1	60.7	59.7	54.5
90%	52.8	51.9	48.2	46.4	46.7	47.9	50.2	54.3	56.8	60.6	59.6	54.3
Long Term												
Full Simulation Period[a]	53.9	52.7	49.5	47.8	48.4	49.9	51.4	55.4	57.5	61.2	60.6	55.9
Water Year Types[b,c]												
Wet (32%)	53.0	52.2	49.2	47.8	47.9	48.5	50.5	54.8	57.3	61.4	60.5	54.7
Above Normal (15%)	53.0	52.0	49.2	47.6	48.0	49.4	51.5	55.7	57.8	60.9	59.9	54.4
Below Normal (17%)	53.5	52.3	49.3	47.6	48.3	50.4	52.0	55.8	57.9	60.9	59.8	56.0
Dry (22%)	53.6	52.8	49.9	47.8	48.8	51.0	52.0	55.6	57.4	61.1	61.4	56.5
Critical (15%)	57.5	54.7	49.8	48.1	49.5	51.2	51.7	55.7	57.4	61.5	61.5	59.0

Table 6C-16-4b. Feather River Low Flow Channel, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	54.2	53.8	51.5	49.7	50.3	52.2	52.7	56.4	58.3	62.1	61.6	57.1
20%	53.8	52.7	50.4	48.6	49.7	51.4	52.2	56.2	58.1	61.7	61.2	56.6
30%	53.5	52.5	50.0	48.3	49.2	50.8	51.8	56.0	57.9	61.3	61.0	56.1
40%	53.3	52.3	49.4	48.1	48.7	50.2	51.7	55.7	57.8	61.2	60.8	55.9
50%	53.2	52.2	49.0	47.6	48.4	49.7	51.5	55.6	57.6	61.0	60.5	55.6
60%	53.1	52.1	48.9	47.4	48.0	49.1	51.2	55.2	57.4	60.9	60.0	54.9
70%	53.0	52.0	48.7	47.1	47.5	48.6	50.9	55.1	57.3	60.8	59.9	54.7
80%	52.9	52.0	48.5	46.8	47.1	48.3	50.6	54.5	57.1	60.7	59.7	54.5
90%	52.8	51.9	48.2	46.4	46.6	47.9	50.2	54.3	56.9	60.6	59.6	54.4
Long Term												
Full Simulation Period[a]	53.9	52.7	49.5	47.8	48.4	49.9	51.4	55.4	57.6	61.2	60.6	55.9
Water Year Types[b,c]												
Wet (32%)	53.0	52.2	49.2	47.8	47.9	48.5	50.5	54.8	57.3	61.4	60.5	54.7
Above Normal (15%)	53.0	52.0	49.2	47.6	48.0	49.6	51.5	55.7	57.8	60.9	59.9	54.4
Below Normal (17%)	53.4	52.3	49.4	47.6	48.3	50.4	52.0	55.8	57.9	60.9	59.8	56.0
Dry (22%)	53.4	52.9	50.0	47.8	48.8	51.0	52.0	55.7	57.6	61.1	61.2	56.3
Critical (15%)	57.7	54.7	49.8	48.1	49.5	51.2	51.7	55.7	57.6	61.5	61.2	59.1

Table 6C-16-4c. Feather River Low Flow Channel, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.2	-0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.1	0.0	-0.1	-0.3
20%	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1	-0.2	-0.1
30%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	-0.1	-0.2
40%	-0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.2	0.0	-0.1	0.1
50%	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.3
60%	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	0.0	0.0	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
90%	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Dry (22%)	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.2	-0.1
Critical (15%)	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-0.1	-0.2	0.0

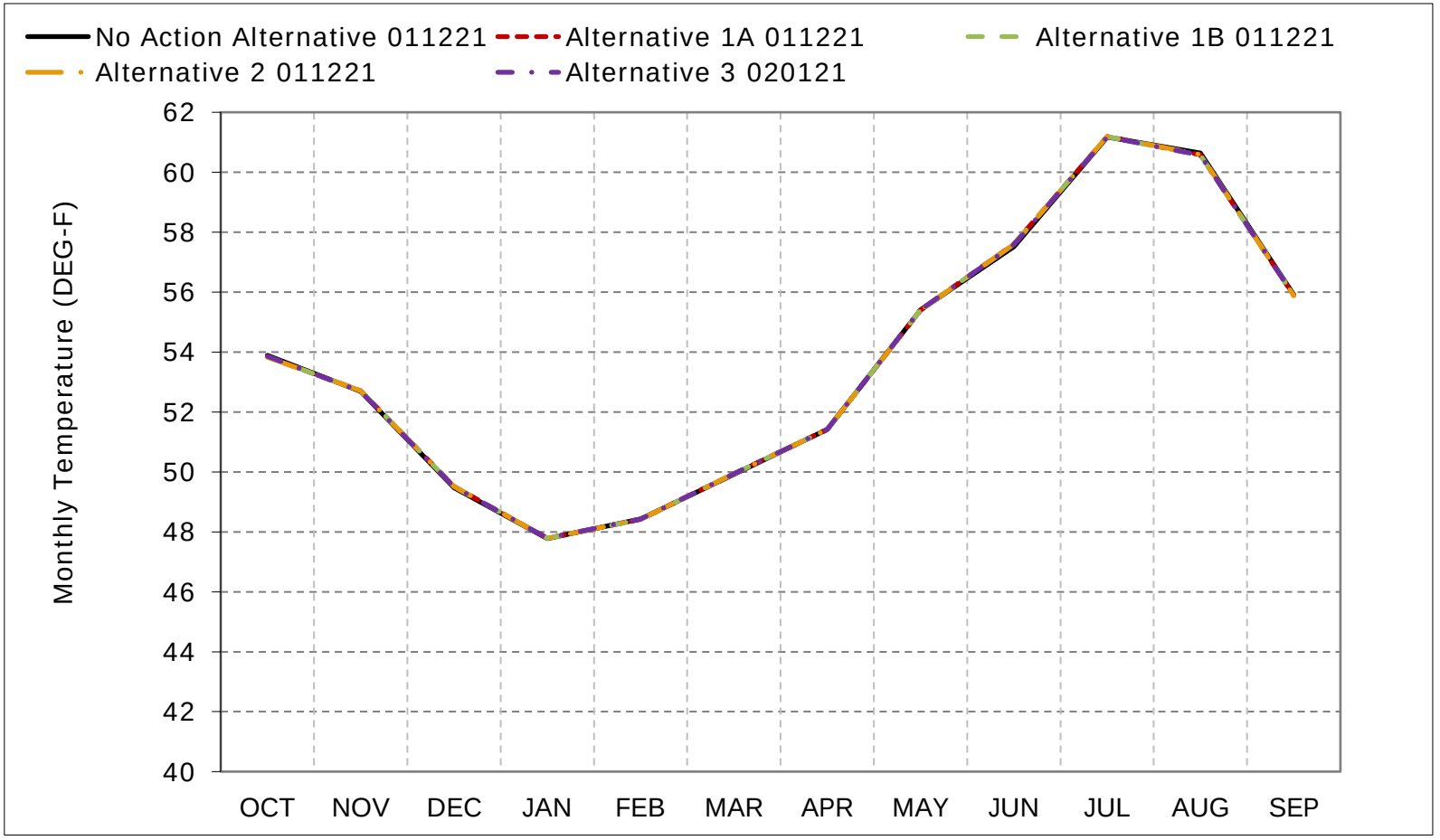
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

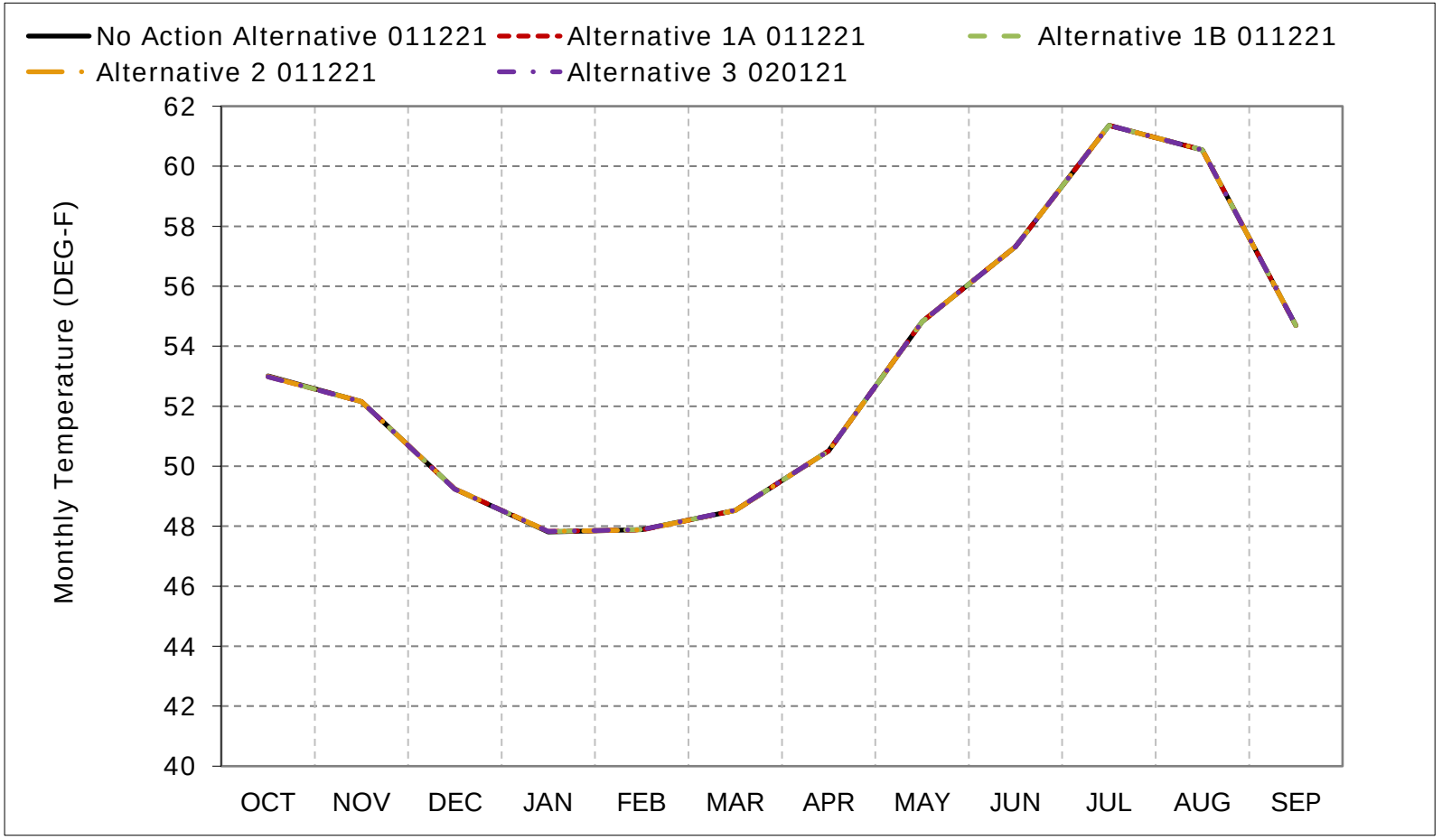
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-16-1. Feather River Low Flow Channel, Long-Term Average Temperature



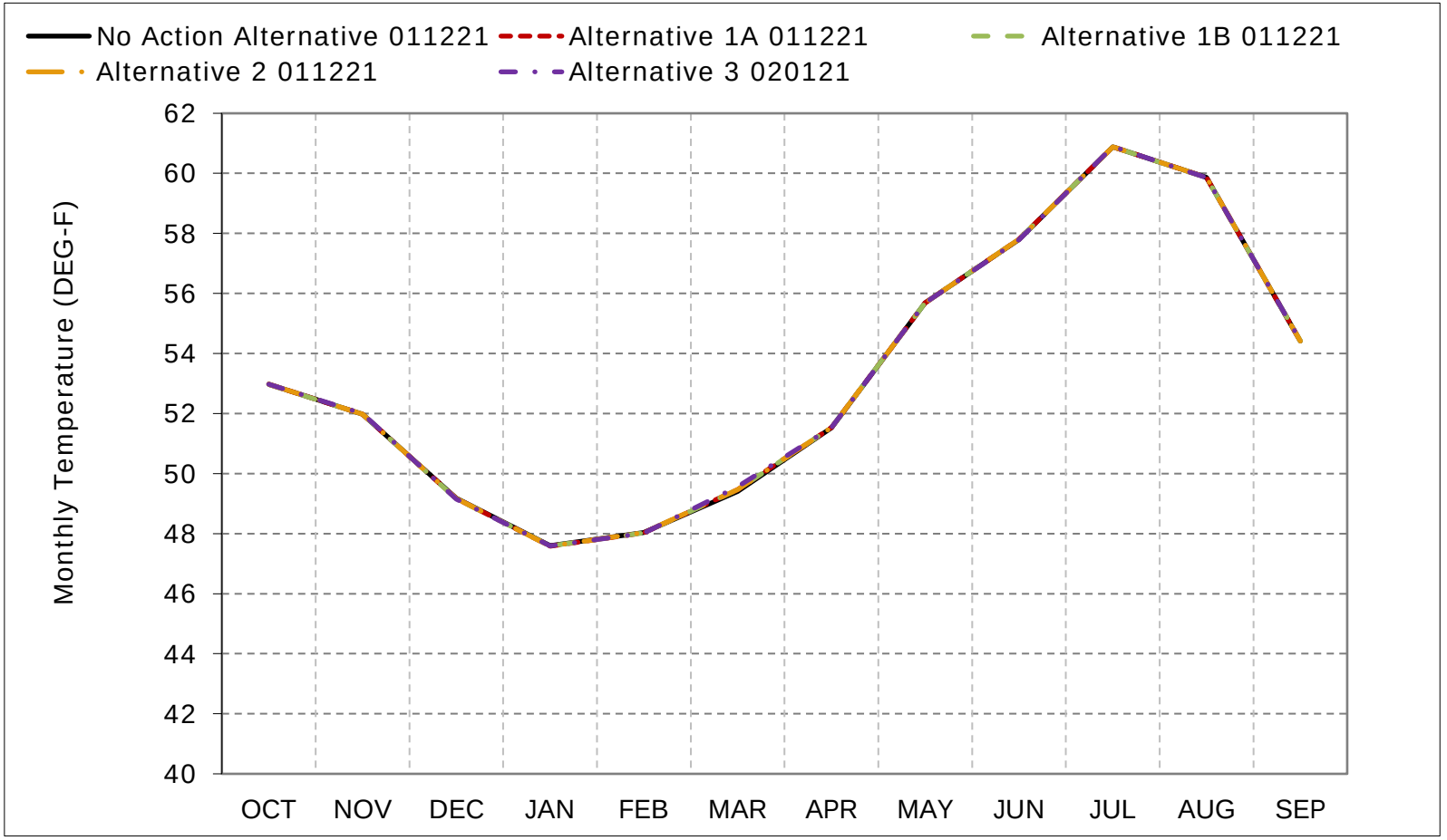
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-16-2. Feather River Low Flow Channel, Wet Year Average Temperature



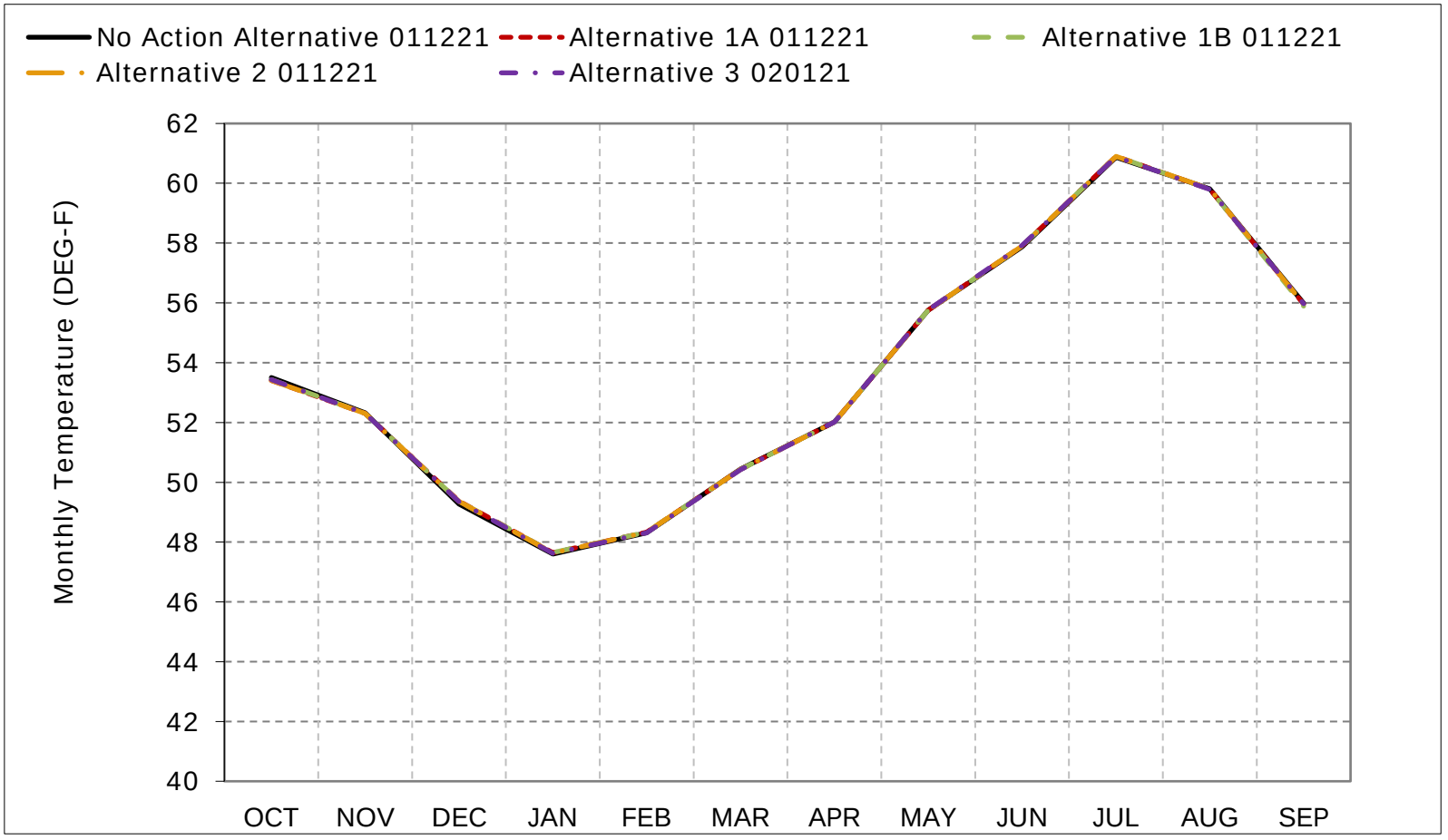
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-16-3. Feather River Low Flow Channel, Above Normal Year Average Temperat



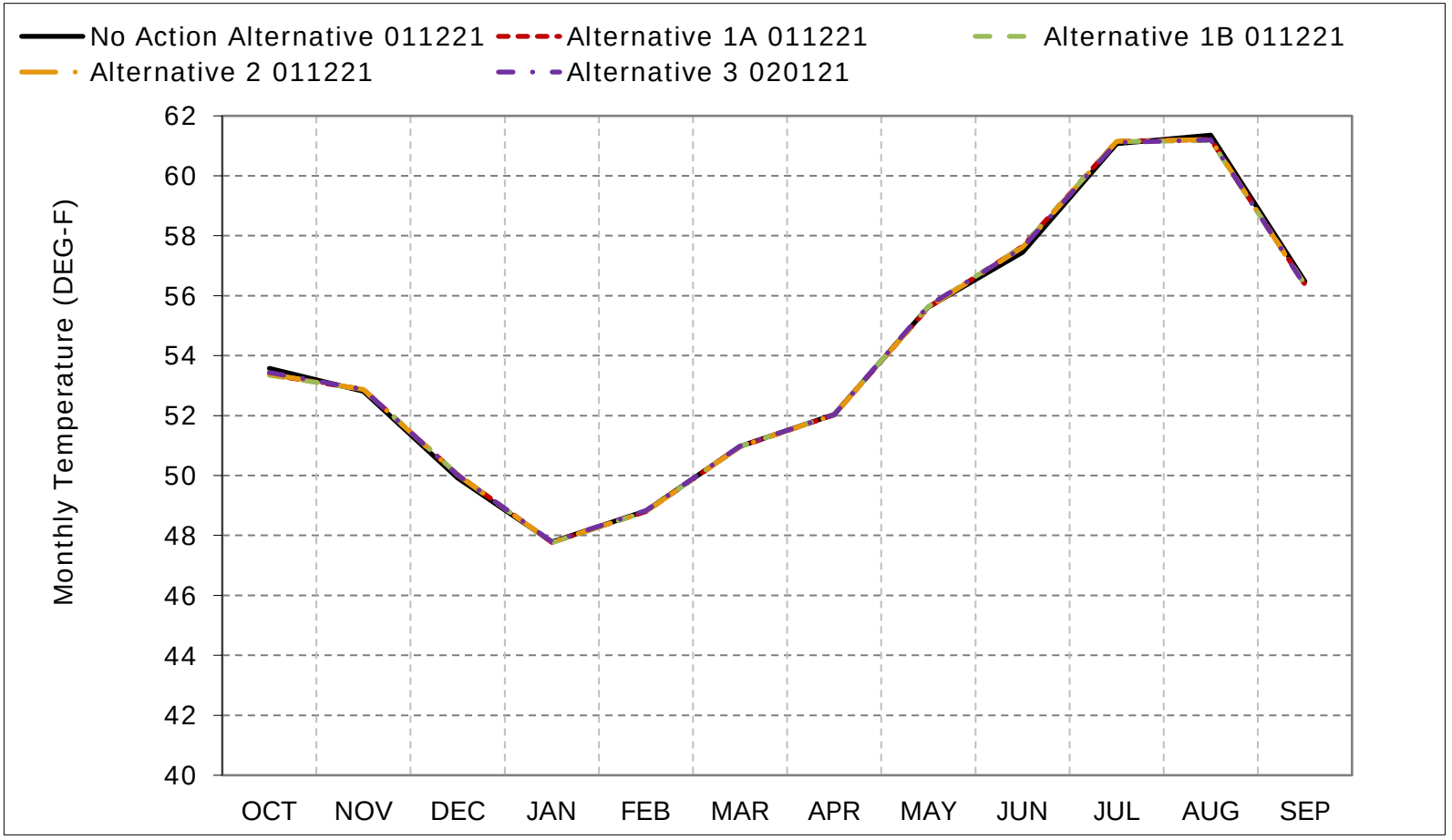
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-16-4. Feather River Low Flow Channel, Below Normal Year Average Temperat



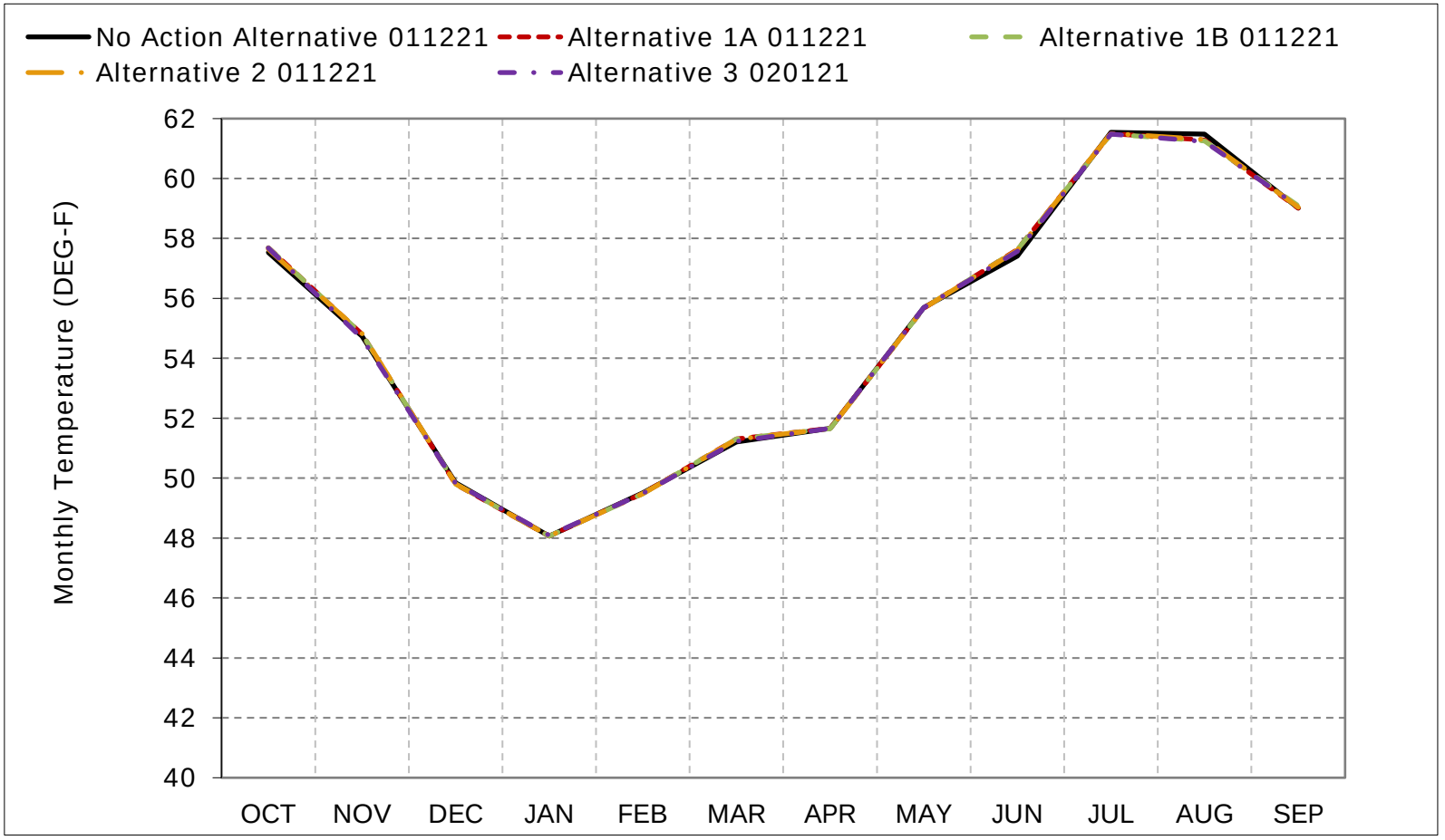
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-16-5. Feather River Low Flow Channel, Dry Year Average Temperature



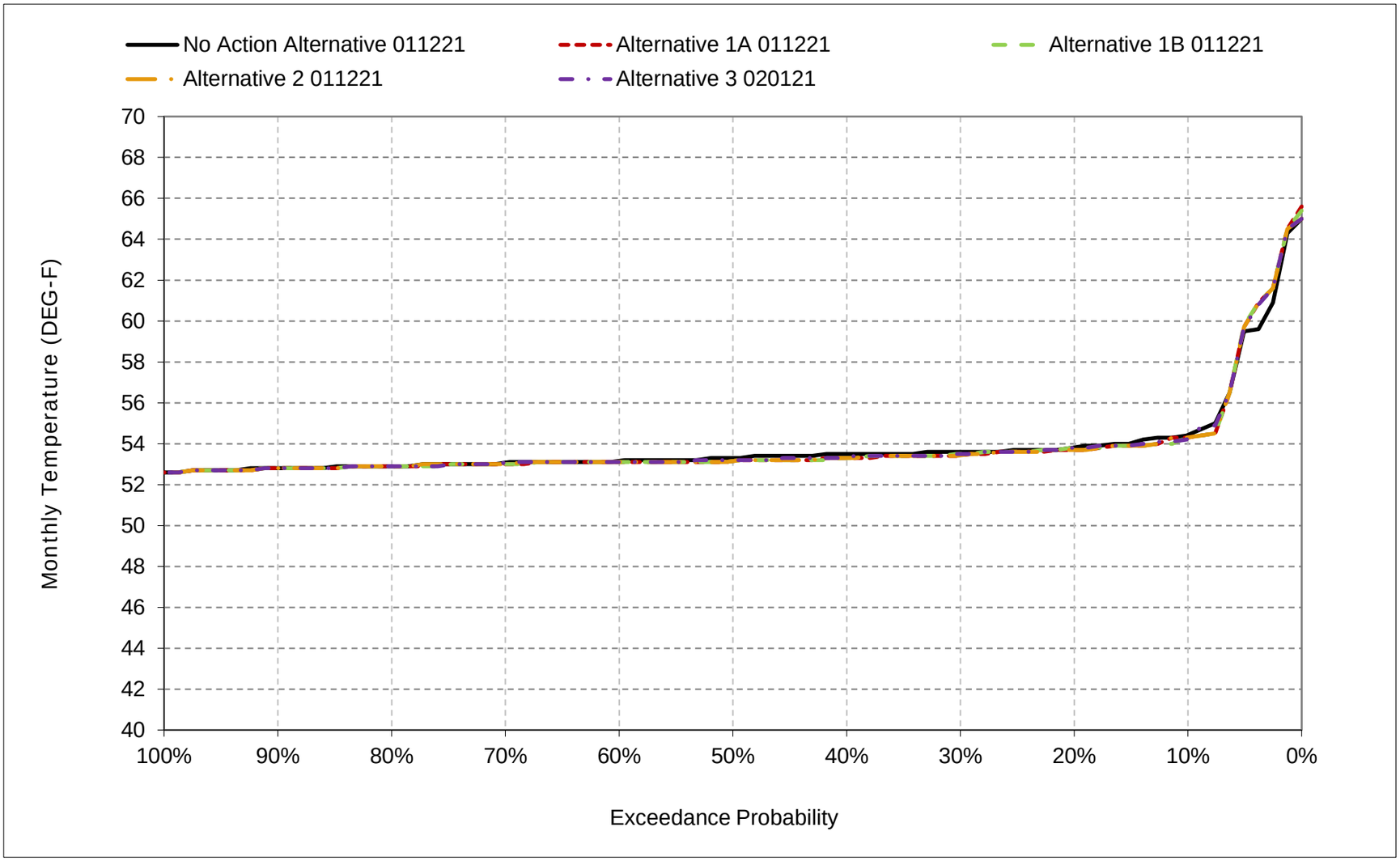
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-16-6. Feather River Low Flow Channel, Critical Year Average Temperature



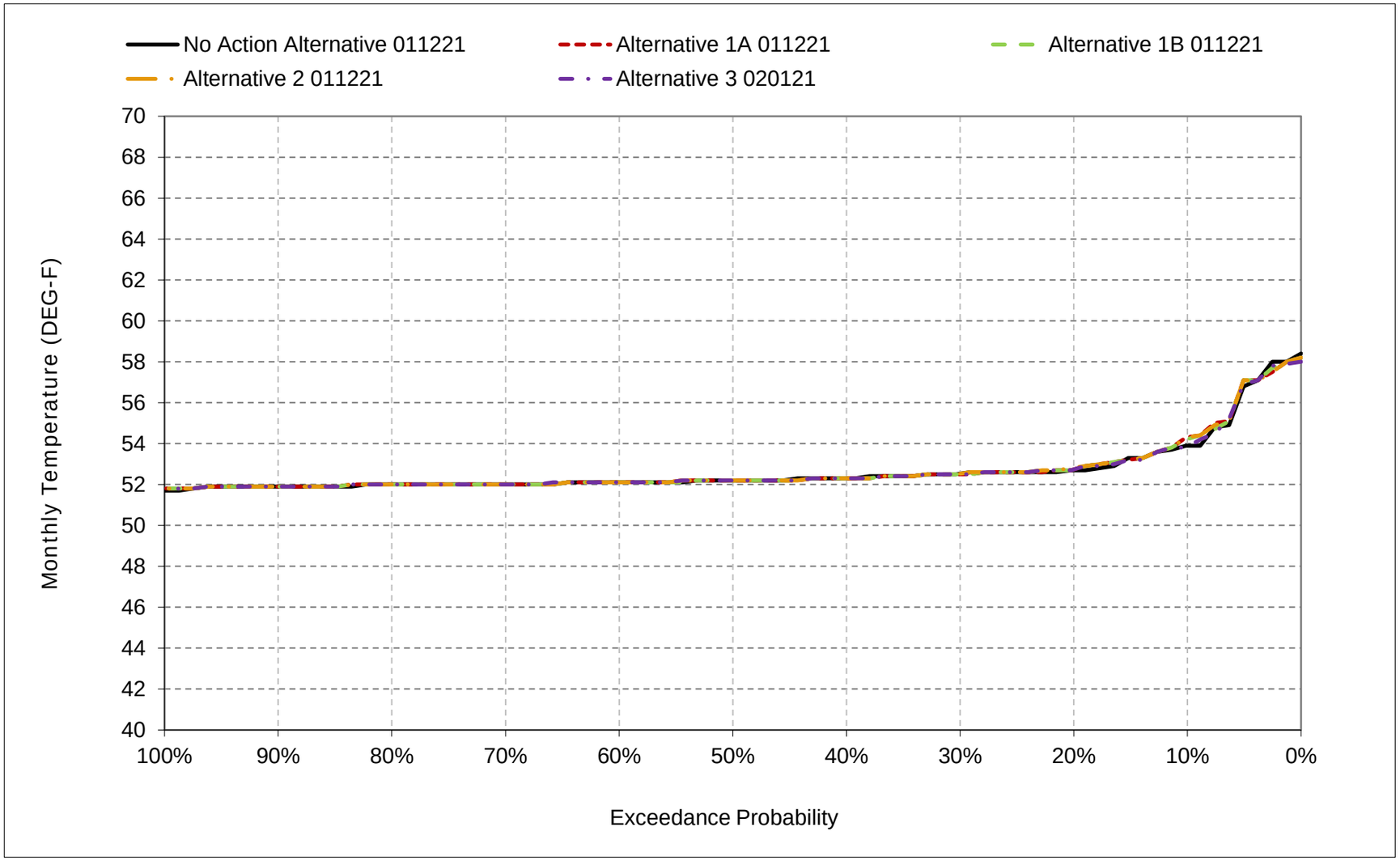
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-16-7. Feather River Low Flow Channel, October



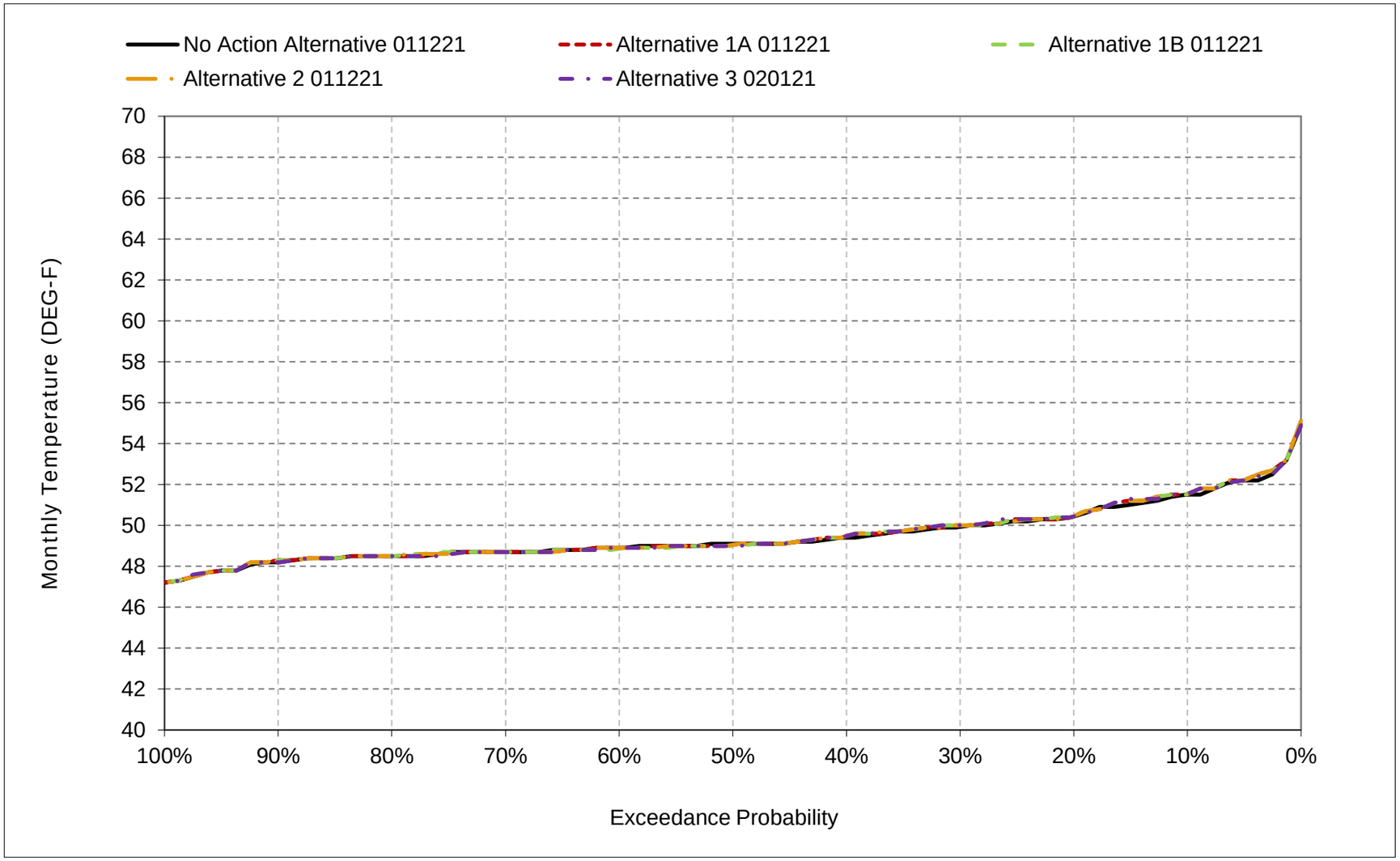
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-16-8. Feather River Low Flow Channel, November



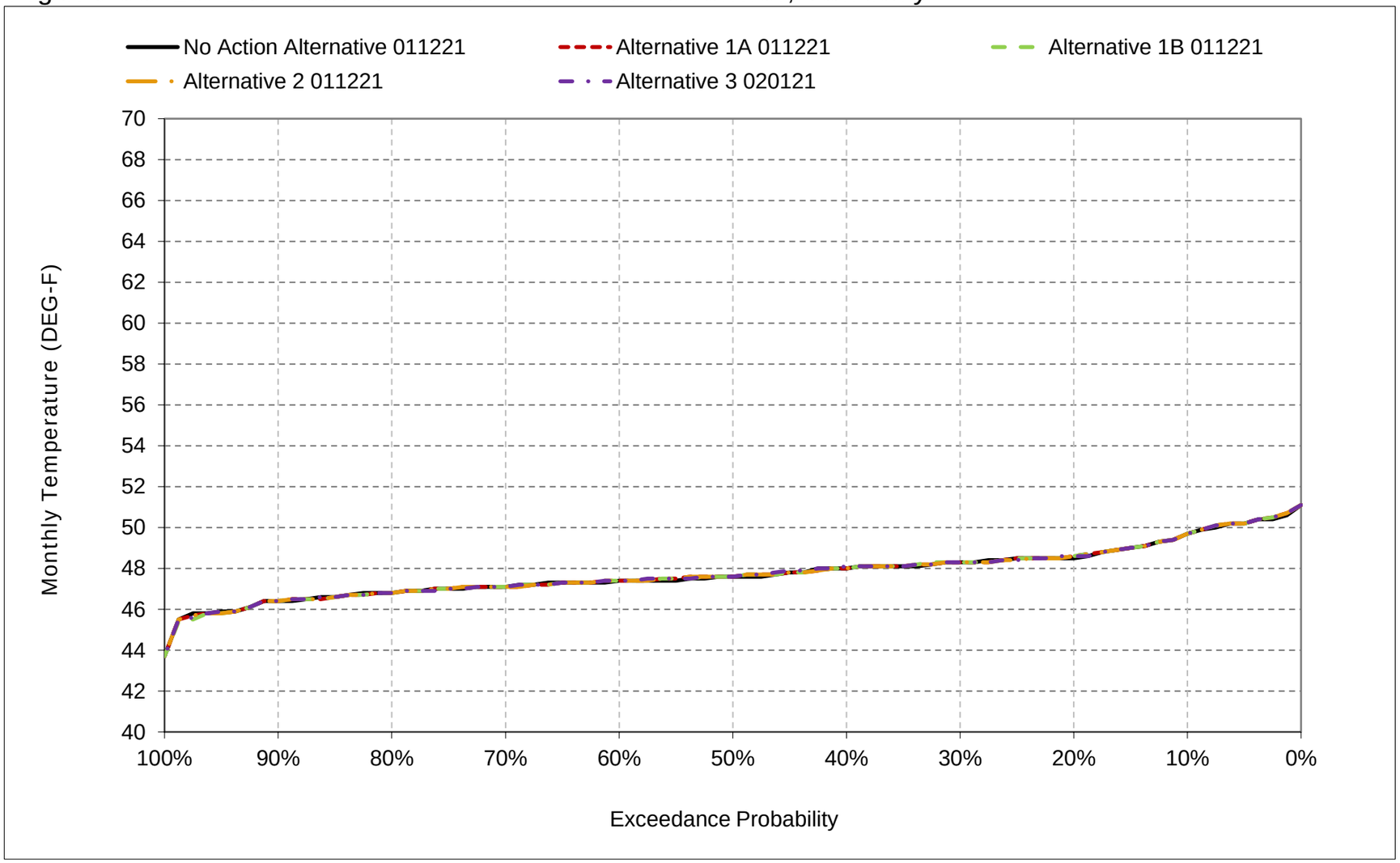
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-16-9. Feather River Low Flow Channel, December



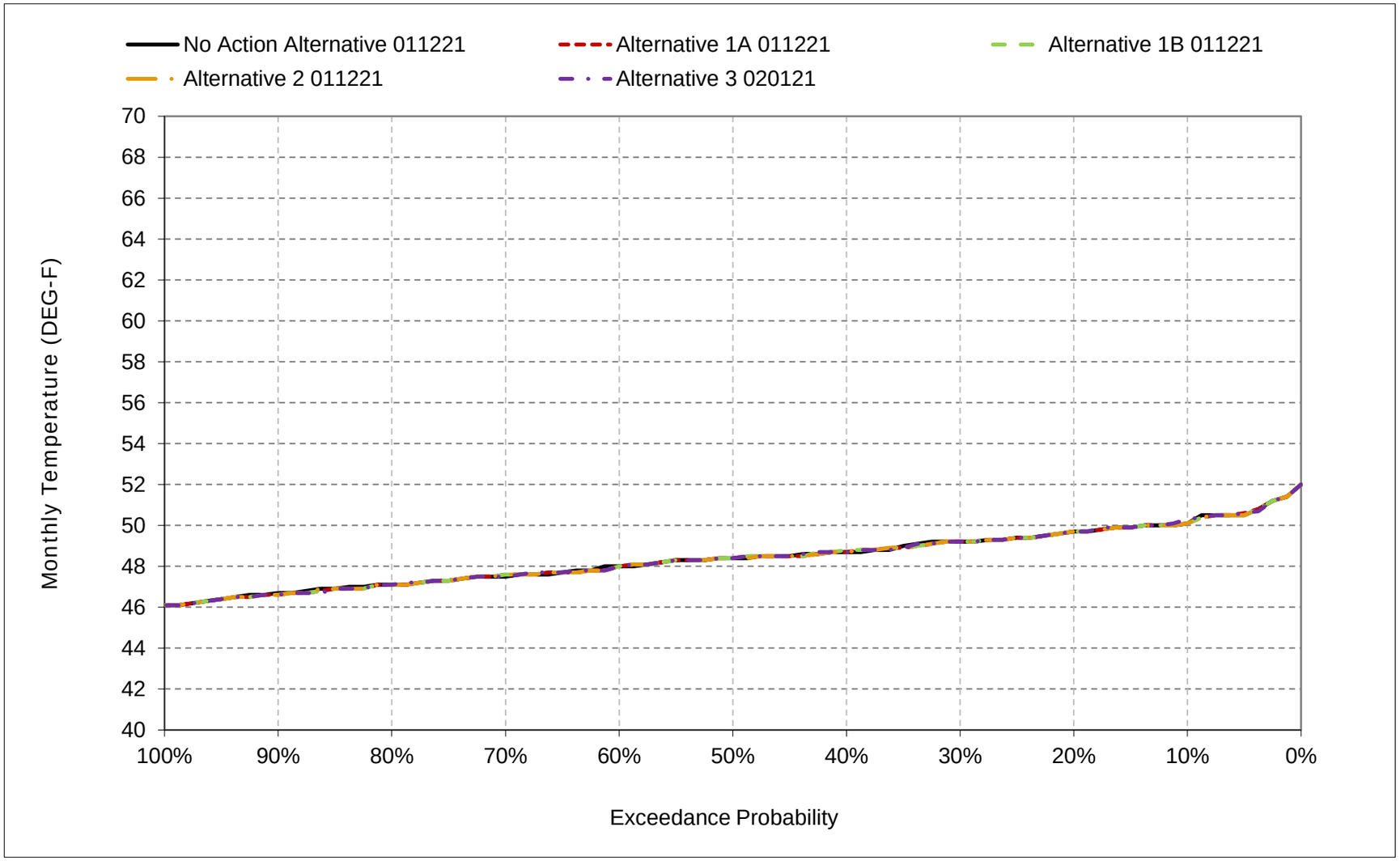
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-16-10. Feather River Low Flow Channel, January



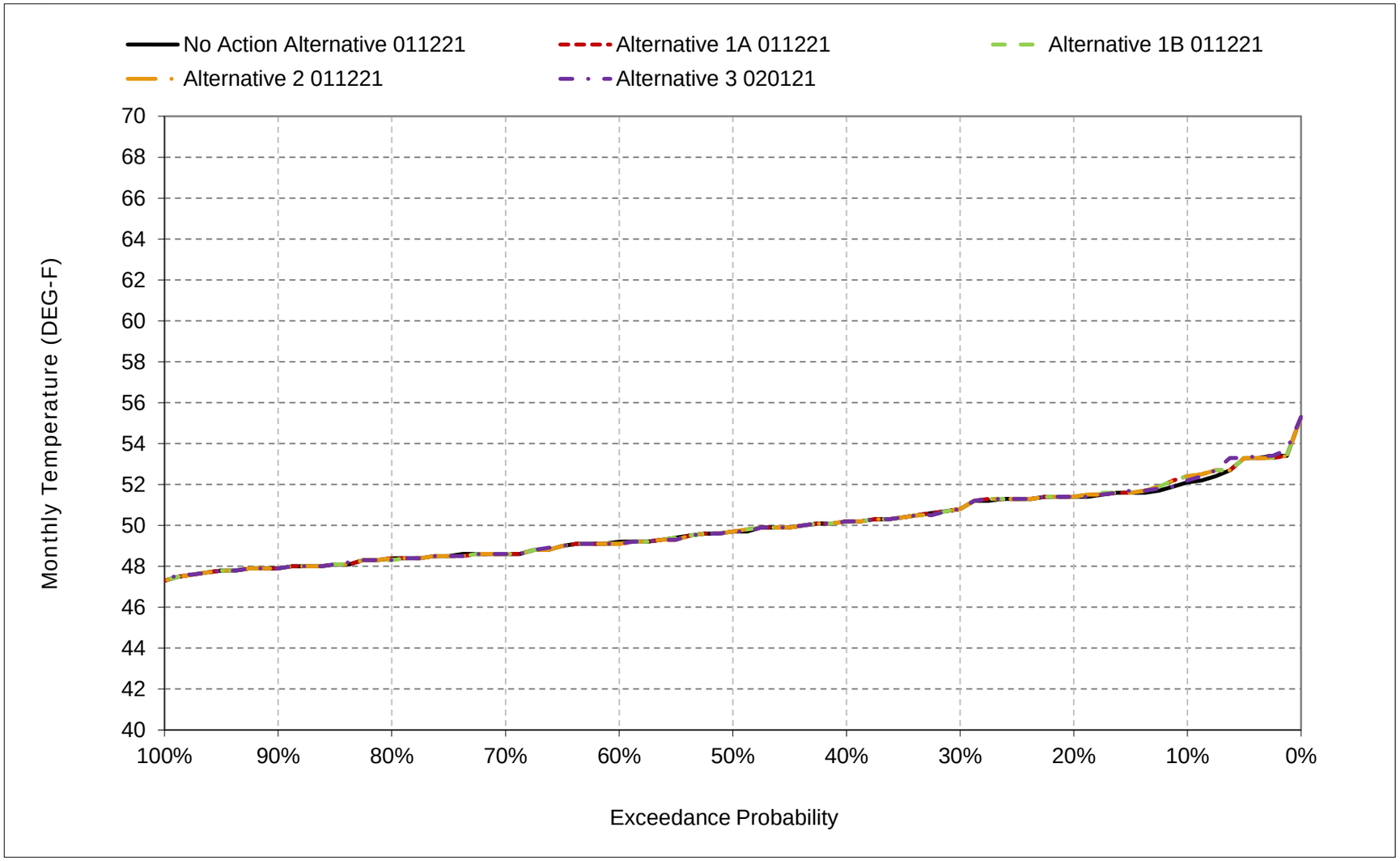
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-16-11. Feather River Low Flow Channel, February



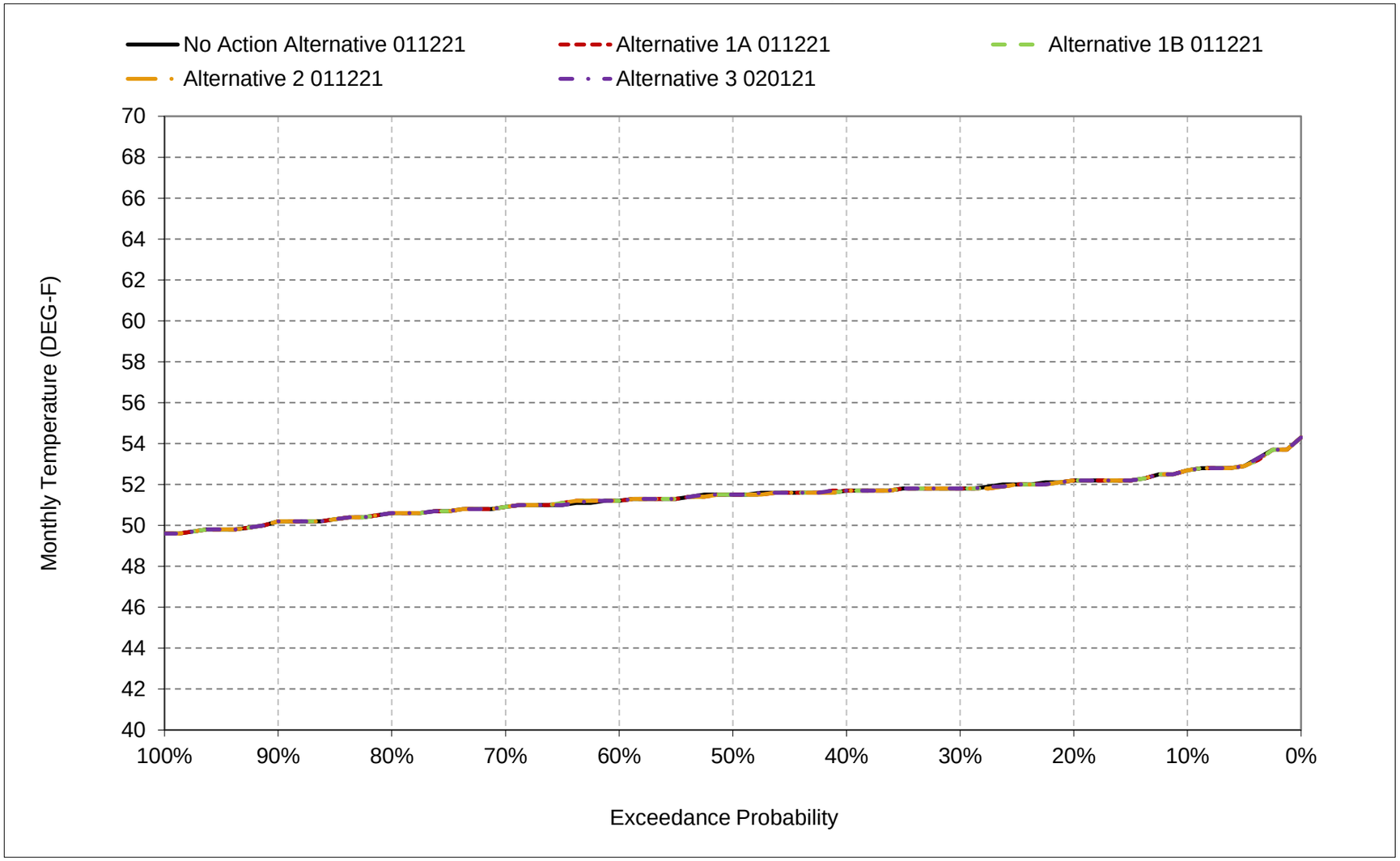
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-16-12. Feather River Low Flow Channel, March



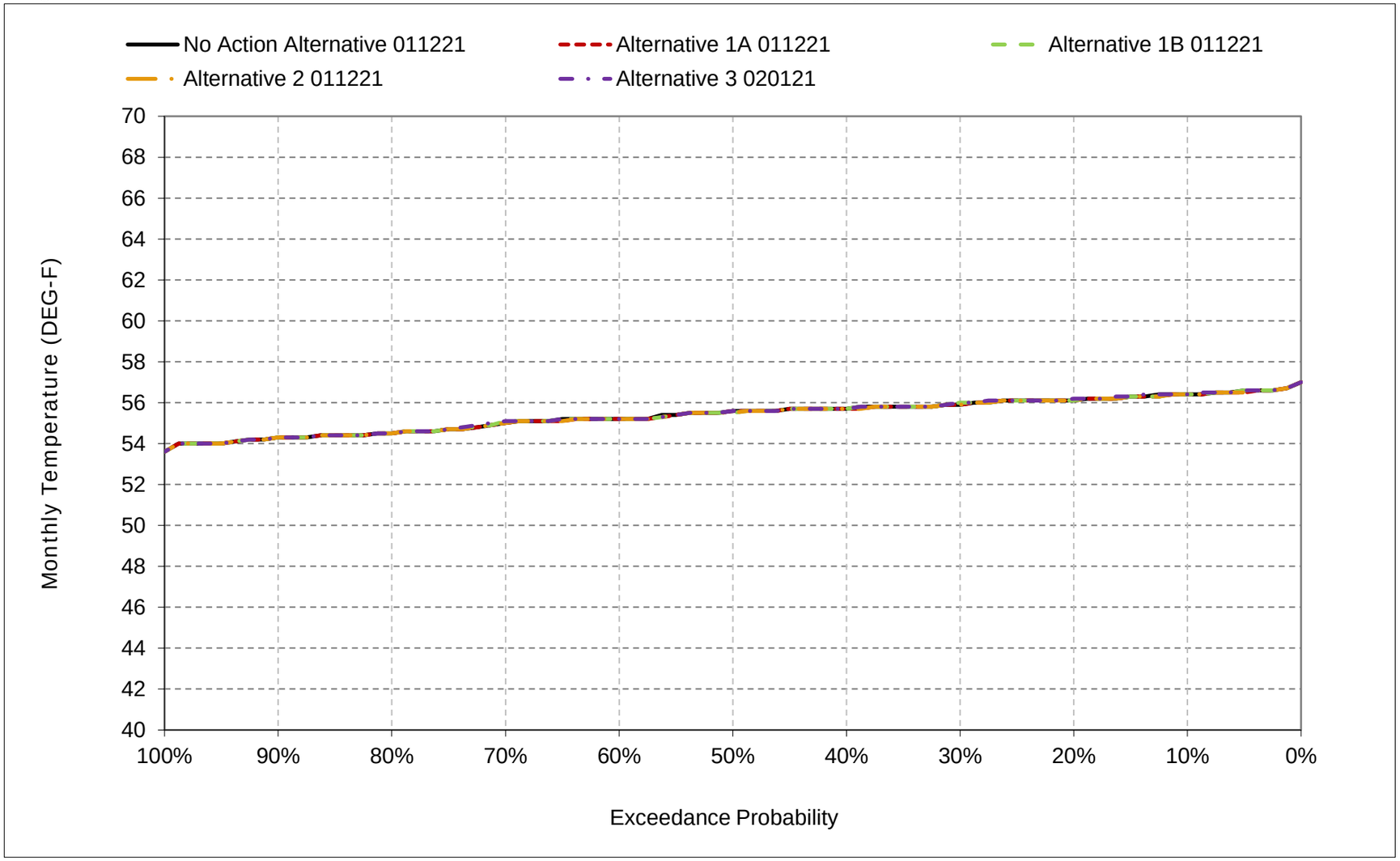
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-16-13. Feather River Low Flow Channel, April



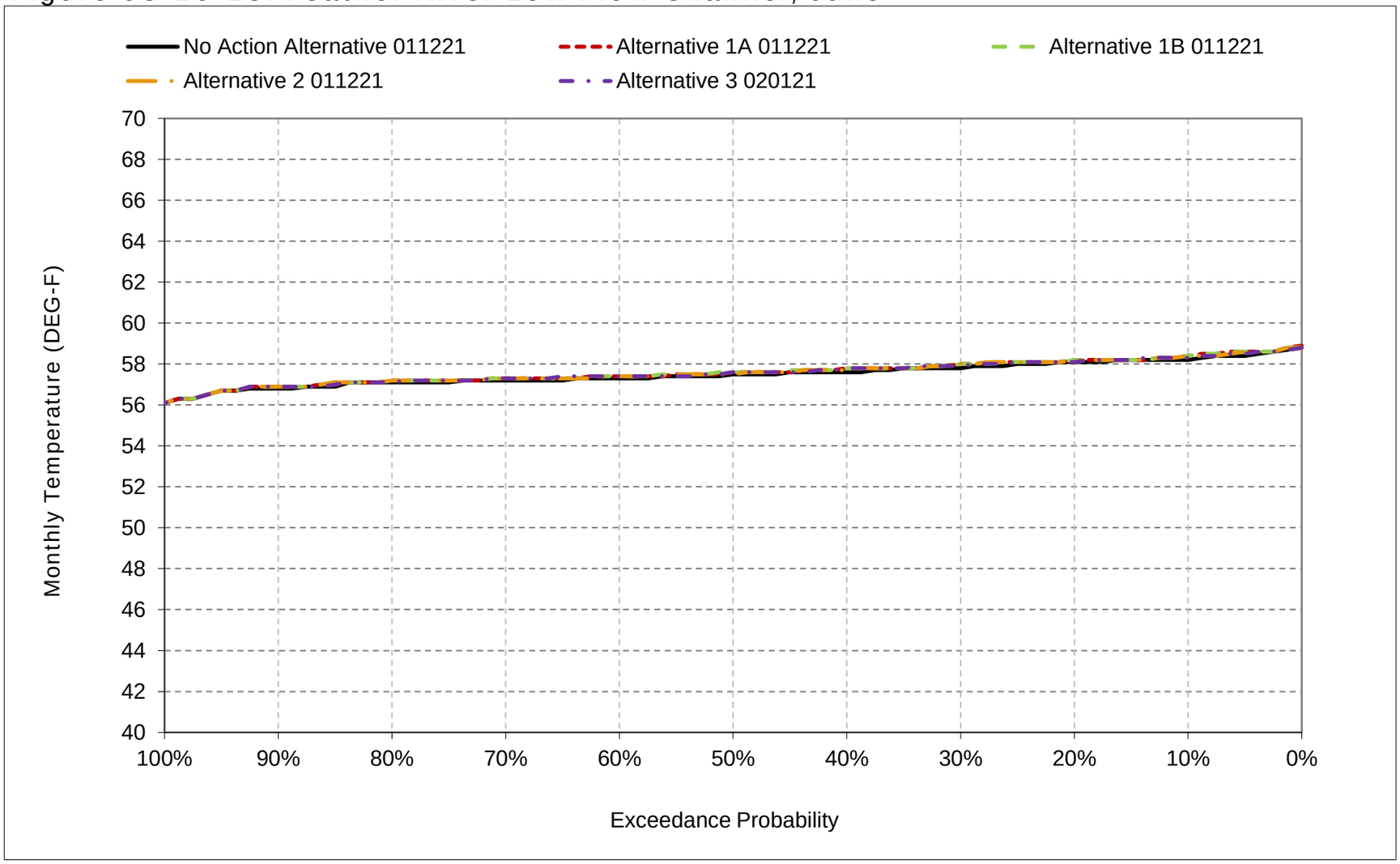
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-16-14. Feather River Low Flow Channel, May



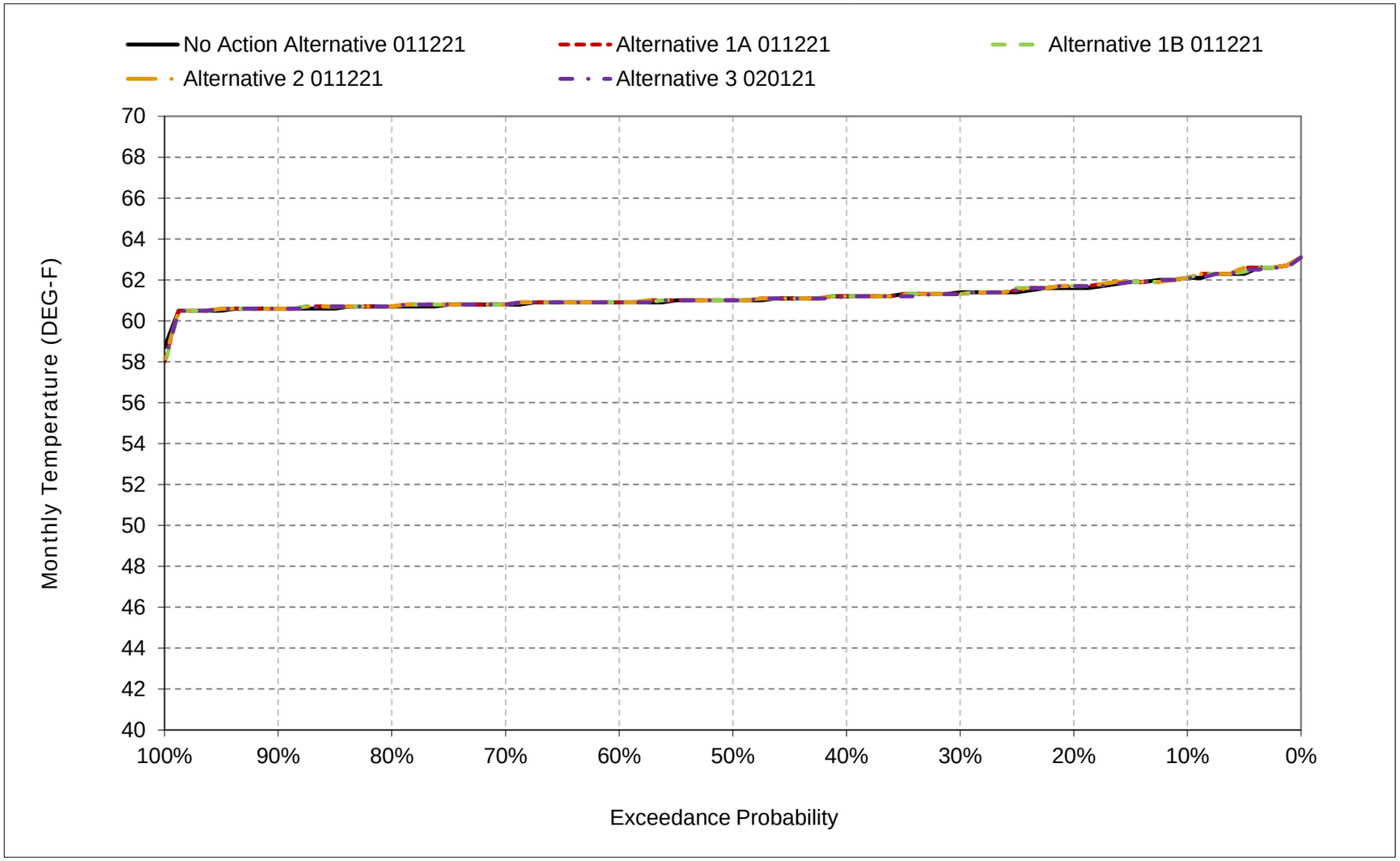
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-16-15. Feather River Low Flow Channel, June



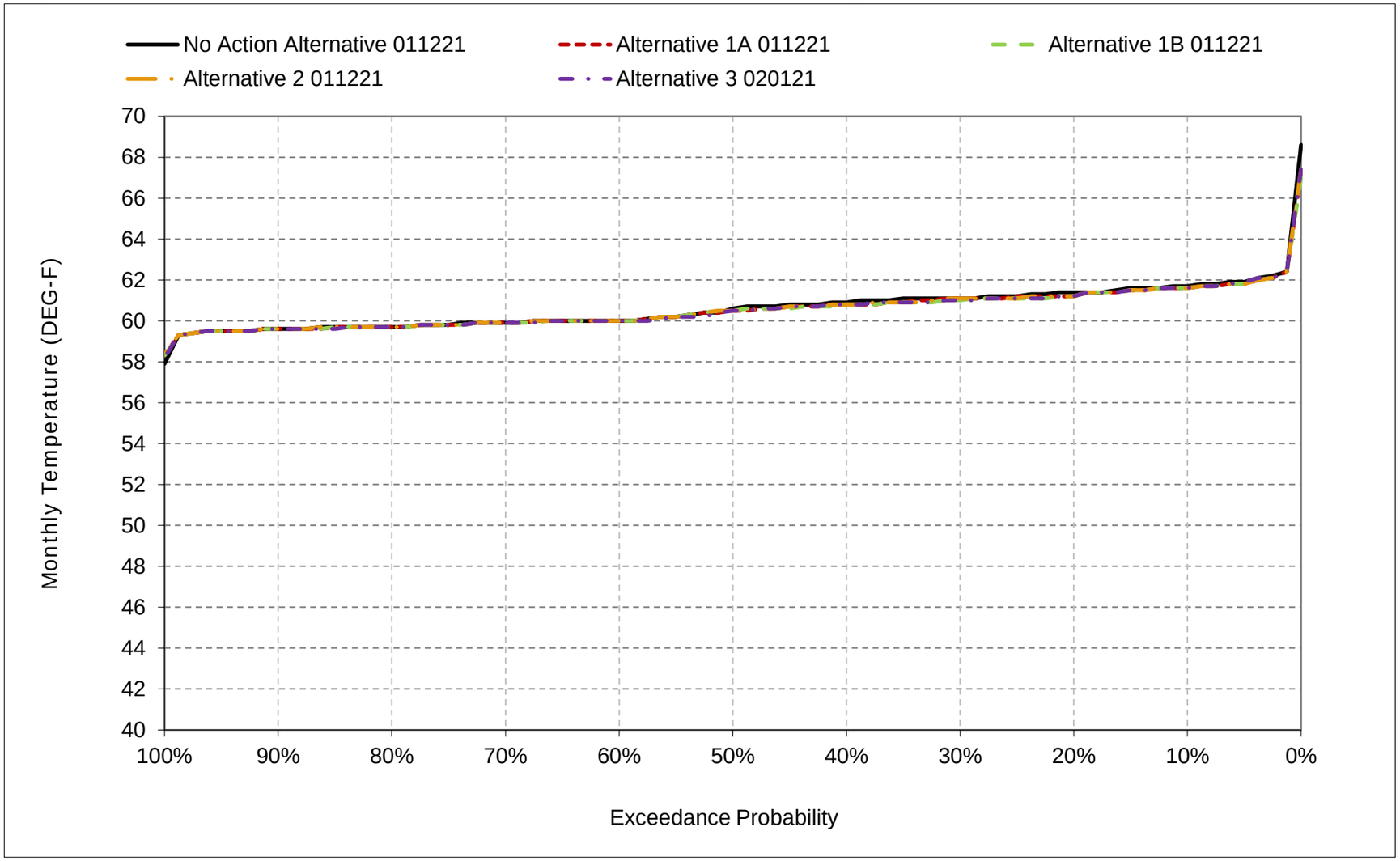
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-16-16. Feather River Low Flow Channel, July



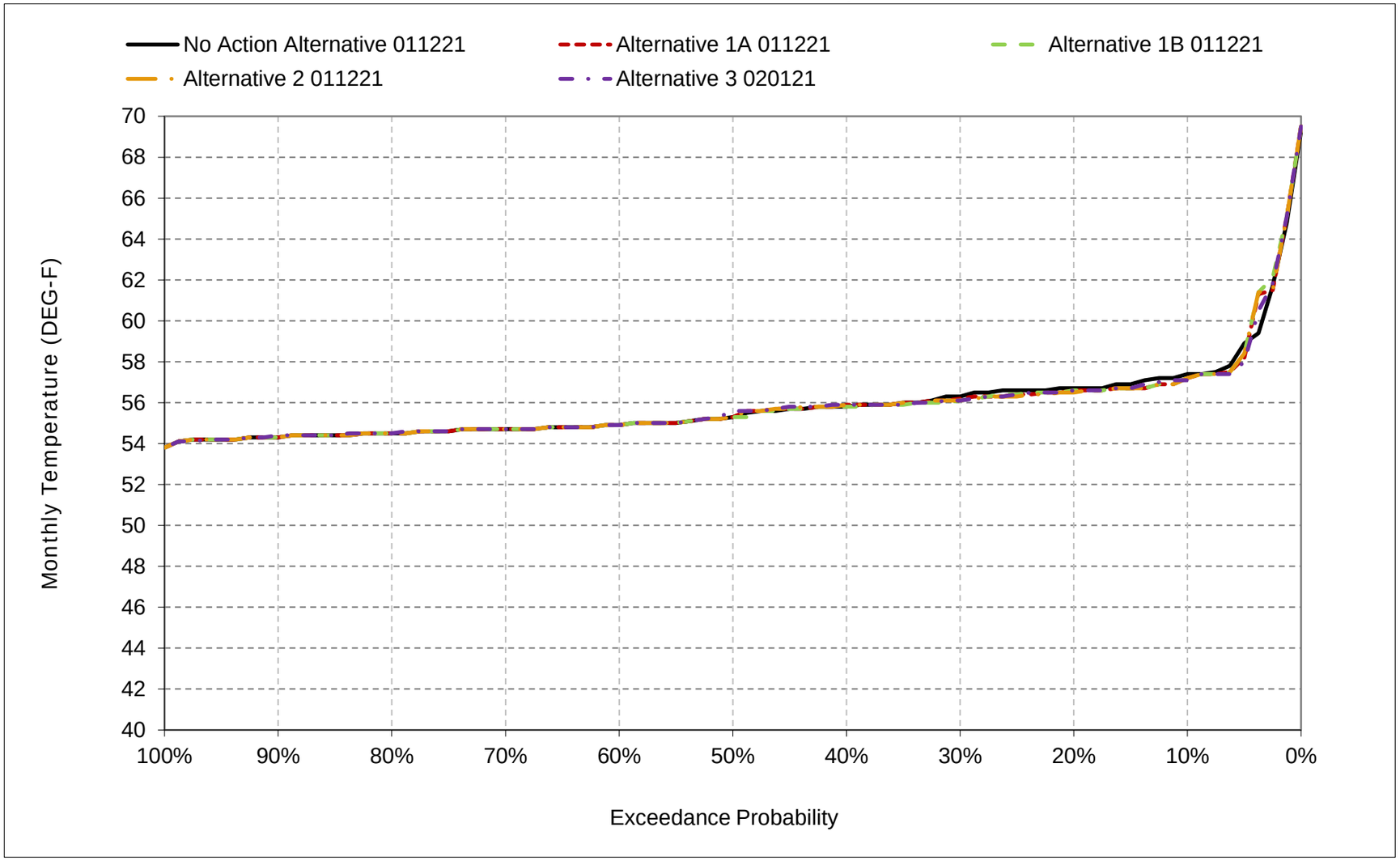
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-16-17. Feather River Low Flow Channel, August



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

Figure 6C-16-18. Feather River Low Flow Channel, September



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

Table 6C-17-1a. Feather River at Robinson Riffle, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.9	54.2	50.7	48.9	50.9	53.7	56.5	61.2	65.2	68.6	67.2	61.4
20%	56.1	53.3	49.8	48.3	50.1	53.0	55.7	60.8	64.5	68.0	66.8	60.9
30%	55.8	53.0	49.3	48.0	49.7	52.4	55.1	60.4	64.2	67.8	66.4	60.6
40%	55.6	52.7	49.0	47.6	49.3	51.6	54.9	60.1	63.7	67.5	66.2	60.1
50%	55.3	52.4	48.7	47.2	49.0	51.1	54.5	59.8	63.5	67.3	65.8	59.9
60%	55.2	52.2	48.2	47.1	48.6	50.7	54.1	59.5	63.0	67.1	65.5	59.6
70%	55.0	52.1	48.0	46.8	48.2	50.5	53.8	59.2	62.9	66.7	65.2	59.2
80%	54.6	51.9	47.7	46.3	47.8	50.0	53.6	59.1	62.7	66.4	65.1	58.8
90%	54.5	51.7	47.4	45.8	47.4	49.7	52.9	58.2	62.0	66.2	64.5	58.4
Long Term												
Full Simulation Period[a]	55.8	52.8	48.8	47.3	49.1	51.5	54.6	59.8	63.5	67.4	65.9	60.1
Water Year Types[b,c]												
Wet (32%)	55.0	52.4	48.7	47.5	48.7	50.3	53.5	59.4	63.0	67.6	66.0	59.3
Above Normal (15%)	55.0	52.0	48.5	47.3	48.8	51.1	54.8	60.3	64.1	67.0	65.1	58.9
Below Normal (17%)	55.5	52.6	48.6	47.1	48.8	51.9	55.3	60.0	63.9	67.3	65.6	60.3
Dry (22%)	55.5	53.0	49.2	47.1	49.3	52.4	55.3	60.0	63.9	67.1	66.3	60.4
Critical (15%)	58.8	54.5	49.0	47.5	50.1	52.6	55.1	60.0	63.1	67.6	66.4	62.1

Table 6C-17-1b. Feather River at Robinson Riffle, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.7	54.4	50.8	48.9	50.8	53.9	56.5	61.1	65.2	68.6	67.2	61.4
20%	56.1	53.3	49.8	48.3	50.1	53.1	55.7	60.8	64.6	68.0	66.8	60.8
30%	55.8	53.1	49.3	48.0	49.7	52.4	55.1	60.5	64.3	67.8	66.4	60.5
40%	55.5	52.7	49.0	47.5	49.3	51.6	54.9	60.1	63.8	67.5	66.2	60.1
50%	55.3	52.4	48.7	47.2	49.0	51.1	54.5	59.8	63.6	67.4	65.7	59.9
60%	55.1	52.2	48.3	47.1	48.6	50.7	54.1	59.5	63.1	67.1	65.4	59.6
70%	54.8	52.1	48.0	46.8	48.1	50.5	53.9	59.2	62.9	66.7	65.1	59.2
80%	54.6	51.9	47.8	46.3	47.9	50.0	53.6	59.1	62.7	66.5	65.0	58.8
90%	54.5	51.7	47.5	45.8	47.4	49.7	52.9	58.2	62.0	66.2	64.5	58.4
Long Term												
Full Simulation Period[a]	55.7	52.8	48.8	47.3	49.0	51.5	54.6	59.8	63.6	67.4	65.9	60.1
Water Year Types[b,c]												
Wet (32%)	55.0	52.4	48.7	47.5	48.6	50.3	53.5	59.4	63.0	67.6	66.0	59.3
Above Normal (15%)	55.0	52.0	48.5	47.3	48.8	51.2	54.8	60.3	64.1	67.0	65.1	58.9
Below Normal (17%)	55.4	52.5	48.7	47.2	48.8	51.9	55.3	60.0	63.9	67.3	65.6	60.3
Dry (22%)	55.4	53.0	49.3	47.1	49.3	52.4	55.3	59.9	64.1	67.1	66.1	60.3
Critical (15%)	58.9	54.5	48.9	47.5	50.1	52.7	55.1	60.0	63.2	67.6	66.2	62.1

Table 6C-17-1c. Feather River at Robinson Riffle, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.2	0.2	0.1	0.0	-0.1	0.2	0.0	-0.1	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	-0.1
30%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
40%	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0
60%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
70%	-0.2	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0
80%	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	-0.1	0.0
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	-0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1
Critical (15%)	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	-0.1	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-17-2a. Feather River at Robinson Riffle, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.9	54.2	50.7	48.9	50.9	53.7	56.5	61.2	65.2	68.6	67.2	61.4
20%	56.1	53.3	49.8	48.3	50.1	53.0	55.7	60.8	64.5	68.0	66.8	60.9
30%	55.8	53.0	49.3	48.0	49.7	52.4	55.1	60.4	64.2	67.8	66.4	60.6
40%	55.6	52.7	49.0	47.6	49.3	51.6	54.9	60.1	63.7	67.5	66.2	60.1
50%	55.3	52.4	48.7	47.2	49.0	51.1	54.5	59.8	63.5	67.3	65.8	59.9
60%	55.2	52.2	48.2	47.1	48.6	50.7	54.1	59.5	63.0	67.1	65.5	59.6
70%	55.0	52.1	48.0	46.8	48.2	50.5	53.8	59.2	62.9	66.7	65.2	59.2
80%	54.6	51.9	47.7	46.3	47.8	50.0	53.6	59.1	62.7	66.4	65.1	58.8
90%	54.5	51.7	47.4	45.8	47.4	49.7	52.9	58.2	62.0	66.2	64.5	58.4
Long Term												
Full Simulation Period[a]	55.8	52.8	48.8	47.3	49.1	51.5	54.6	59.8	63.5	67.4	65.9	60.1
Water Year Types[b,c]												
Wet (32%)	55.0	52.4	48.7	47.5	48.7	50.3	53.5	59.4	63.0	67.6	66.0	59.3
Above Normal (15%)	55.0	52.0	48.5	47.3	48.8	51.1	54.8	60.3	64.1	67.0	65.1	58.9
Below Normal (17%)	55.5	52.6	48.6	47.1	48.8	51.9	55.3	60.0	63.9	67.3	65.6	60.3
Dry (22%)	55.5	53.0	49.2	47.1	49.3	52.4	55.3	60.0	63.9	67.1	66.3	60.4
Critical (15%)	58.8	54.5	49.0	47.5	50.1	52.6	55.1	60.0	63.1	67.6	66.4	62.1

Table 6C-17-2b. Feather River at Robinson Riffle, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.5	54.2	50.8	48.9	50.9	53.9	56.5	61.1	65.2	68.6	67.2	61.4
20%	56.1	53.3	49.8	48.3	50.1	53.1	55.7	60.8	64.6	68.0	66.8	60.8
30%	55.8	53.1	49.3	48.0	49.7	52.4	55.1	60.5	64.3	67.8	66.4	60.5
40%	55.5	52.7	49.0	47.6	49.3	51.6	54.9	60.1	63.8	67.5	66.1	60.1
50%	55.3	52.4	48.7	47.2	49.0	51.1	54.5	59.8	63.6	67.4	65.7	59.9
60%	55.1	52.2	48.3	47.1	48.6	50.7	54.1	59.5	63.1	67.1	65.4	59.6
70%	54.8	52.1	48.0	46.8	48.1	50.5	53.9	59.2	62.9	66.7	65.2	59.2
80%	54.6	51.9	47.8	46.3	47.9	50.0	53.6	59.1	62.7	66.5	65.0	58.8
90%	54.5	51.7	47.5	45.8	47.4	49.7	52.9	58.2	62.0	66.2	64.5	58.4
Long Term												
Full Simulation Period[a]	55.7	52.8	48.8	47.3	49.0	51.5	54.6	59.8	63.6	67.4	65.9	60.1
Water Year Types[b,c]												
Wet (32%)	55.0	52.4	48.7	47.5	48.6	50.3	53.5	59.4	63.0	67.6	66.0	59.3
Above Normal (15%)	55.0	52.0	48.5	47.3	48.8	51.2	54.8	60.3	64.1	67.0	65.1	58.9
Below Normal (17%)	55.4	52.5	48.6	47.2	48.8	51.9	55.3	60.0	63.9	67.3	65.6	60.3
Dry (22%)	55.4	53.0	49.3	47.1	49.3	52.4	55.3	60.0	64.1	67.1	66.1	60.3
Critical (15%)	59.0	54.5	48.9	47.5	50.1	52.7	55.1	60.0	63.2	67.6	66.2	62.2

Table 6C-17-2c. Feather River at Robinson Riffle, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.4	0.0	0.1	0.0	0.0	0.2	0.0	-0.1	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	-0.1
30%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
40%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0
60%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
70%	-0.2	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	-0.1	0.0
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Dry (22%)	-0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.1	-0.1
Critical (15%)	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	-0.1	0.1

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-17-3a. Feather River at Robinson Riffle, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.9	54.2	50.7	48.9	50.9	53.7	56.5	61.2	65.2	68.6	67.2	61.4
20%	56.1	53.3	49.8	48.3	50.1	53.0	55.7	60.8	64.5	68.0	66.8	60.9
30%	55.8	53.0	49.3	48.0	49.7	52.4	55.1	60.4	64.2	67.8	66.4	60.6
40%	55.6	52.7	49.0	47.6	49.3	51.6	54.9	60.1	63.7	67.5	66.2	60.1
50%	55.3	52.4	48.7	47.2	49.0	51.1	54.5	59.8	63.5	67.3	65.8	59.9
60%	55.2	52.2	48.2	47.1	48.6	50.7	54.1	59.5	63.0	67.1	65.5	59.6
70%	55.0	52.1	48.0	46.8	48.2	50.5	53.8	59.2	62.9	66.7	65.2	59.2
80%	54.6	51.9	47.7	46.3	47.8	50.0	53.6	59.1	62.7	66.4	65.1	58.8
90%	54.5	51.7	47.4	45.8	47.4	49.7	52.9	58.2	62.0	66.2	64.5	58.4
Long Term												
Full Simulation Period[a]	55.8	52.8	48.8	47.3	49.1	51.5	54.6	59.8	63.5	67.4	65.9	60.1
Water Year Types[b,c]												
Wet (32%)	55.0	52.4	48.7	47.5	48.7	50.3	53.5	59.4	63.0	67.6	66.0	59.3
Above Normal (15%)	55.0	52.0	48.5	47.3	48.8	51.1	54.8	60.3	64.1	67.0	65.1	58.9
Below Normal (17%)	55.5	52.6	48.6	47.1	48.8	51.9	55.3	60.0	63.9	67.3	65.6	60.3
Dry (22%)	55.5	53.0	49.2	47.1	49.3	52.4	55.3	60.0	63.9	67.1	66.3	60.4
Critical (15%)	58.8	54.5	49.0	47.5	50.1	52.6	55.1	60.0	63.1	67.6	66.4	62.1

Table 6C-17-3b. Feather River at Robinson Riffle, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.7	54.3	50.8	48.9	50.8	53.9	56.5	61.1	65.2	68.6	67.2	61.4
20%	56.1	53.4	49.8	48.3	50.1	53.1	55.7	60.8	64.6	68.0	66.8	60.8
30%	55.8	53.1	49.3	48.0	49.7	52.4	55.1	60.5	64.3	67.8	66.4	60.3
40%	55.5	52.7	49.0	47.5	49.3	51.6	54.9	60.1	63.8	67.5	66.2	60.1
50%	55.3	52.4	48.7	47.2	49.0	51.1	54.5	59.8	63.6	67.4	65.7	59.9
60%	55.1	52.2	48.3	47.1	48.6	50.7	54.1	59.5	63.1	67.1	65.4	59.6
70%	54.8	52.1	48.0	46.8	48.1	50.5	53.9	59.2	62.9	66.7	65.1	59.2
80%	54.6	51.9	47.8	46.3	47.9	50.0	53.6	59.1	62.7	66.5	65.0	58.8
90%	54.5	51.7	47.5	45.8	47.4	49.7	52.9	58.2	62.0	66.2	64.5	58.4
Long Term												
Full Simulation Period[a]	55.7	52.8	48.8	47.3	49.0	51.5	54.6	59.8	63.5	67.4	65.9	60.1
Water Year Types[b,c]												
Wet (32%)	55.0	52.4	48.7	47.5	48.6	50.3	53.5	59.4	63.0	67.6	66.0	59.3
Above Normal (15%)	55.0	52.0	48.5	47.3	48.8	51.2	54.8	60.3	64.1	67.0	65.1	58.9
Below Normal (17%)	55.4	52.5	48.6	47.2	48.8	51.9	55.3	60.0	63.9	67.3	65.6	60.3
Dry (22%)	55.4	53.0	49.3	47.1	49.3	52.4	55.3	59.9	64.0	67.1	66.1	60.3
Critical (15%)	58.9	54.5	48.9	47.5	50.1	52.7	55.1	60.0	63.2	67.6	66.3	62.1

Table 6C-17-3c. Feather River at Robinson Riffle, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.2	0.1	0.1	0.0	-0.1	0.2	0.0	-0.1	0.0	0.0	0.0	0.0
20%	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	-0.1
30%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.3
40%	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0
60%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0
70%	-0.2	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0
80%	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	-0.1	0.0
90%	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1
Critical (15%)	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	-0.1	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-17-4a. Feather River at Robinson Riffle, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.9	54.2	50.7	48.9	50.9	53.7	56.5	61.2	65.2	68.6	67.2	61.4
20%	56.1	53.3	49.8	48.3	50.1	53.0	55.7	60.8	64.5	68.0	66.8	60.9
30%	55.8	53.0	49.3	48.0	49.7	52.4	55.1	60.4	64.2	67.8	66.4	60.6
40%	55.6	52.7	49.0	47.6	49.3	51.6	54.9	60.1	63.7	67.5	66.2	60.1
50%	55.3	52.4	48.7	47.2	49.0	51.1	54.5	59.8	63.5	67.3	65.8	59.9
60%	55.2	52.2	48.2	47.1	48.6	50.7	54.1	59.5	63.0	67.1	65.5	59.6
70%	55.0	52.1	48.0	46.8	48.2	50.5	53.8	59.2	62.9	66.7	65.2	59.2
80%	54.6	51.9	47.7	46.3	47.8	50.0	53.6	59.1	62.7	66.4	65.1	58.8
90%	54.5	51.7	47.4	45.8	47.4	49.7	52.9	58.2	62.0	66.2	64.5	58.4
Long Term												
Full Simulation Period[a]	55.8	52.8	48.8	47.3	49.1	51.5	54.6	59.8	63.5	67.4	65.9	60.1
Water Year Types[b,c]												
Wet (32%)	55.0	52.4	48.7	47.5	48.7	50.3	53.5	59.4	63.0	67.6	66.0	59.3
Above Normal (15%)	55.0	52.0	48.5	47.3	48.8	51.1	54.8	60.3	64.1	67.0	65.1	58.9
Below Normal (17%)	55.5	52.6	48.6	47.1	48.8	51.9	55.3	60.0	63.9	67.3	65.6	60.3
Dry (22%)	55.5	53.0	49.2	47.1	49.3	52.4	55.3	60.0	63.9	67.1	66.3	60.4
Critical (15%)	58.8	54.5	49.0	47.5	50.1	52.6	55.1	60.0	63.1	67.6	66.4	62.1

Table 6C-17-4b. Feather River at Robinson Riffle, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	56.7	54.0	50.8	48.9	51.1	53.7	56.5	61.2	65.2	68.6	67.2	61.4
20%	56.1	53.3	49.8	48.3	50.1	53.0	55.7	60.8	64.6	68.0	66.8	60.8
30%	55.8	53.1	49.3	48.0	49.7	52.4	55.1	60.5	64.3	67.8	66.4	60.5
40%	55.5	52.7	48.9	47.5	49.3	51.6	54.9	60.1	63.7	67.5	66.1	60.1
50%	55.3	52.4	48.7	47.2	49.0	51.1	54.5	59.9	63.6	67.3	65.7	59.9
60%	55.1	52.2	48.3	47.1	48.6	50.8	54.1	59.5	63.1	67.1	65.4	59.6
70%	54.8	52.1	47.9	46.8	48.1	50.5	53.8	59.2	62.9	66.7	65.2	59.2
80%	54.6	51.9	47.7	46.3	47.9	50.0	53.6	59.1	62.6	66.5	65.0	58.8
90%	54.5	51.8	47.4	45.8	47.4	49.7	52.9	58.2	62.0	66.2	64.5	58.5
Long Term												
Full Simulation Period[a]	55.8	52.8	48.8	47.3	49.0	51.5	54.6	59.8	63.5	67.4	65.9	60.1
Water Year Types[b,c]												
Wet (32%)	55.0	52.4	48.6	47.5	48.6	50.3	53.5	59.4	63.0	67.6	66.0	59.3
Above Normal (15%)	55.0	52.0	48.5	47.3	48.8	51.3	54.8	60.3	64.1	67.0	65.1	58.9
Below Normal (17%)	55.4	52.5	48.6	47.1	48.8	51.9	55.3	60.0	63.9	67.3	65.6	60.3
Dry (22%)	55.4	53.0	49.3	47.1	49.3	52.4	55.3	60.0	64.0	67.1	66.1	60.3
Critical (15%)	59.0	54.4	48.9	47.5	50.1	52.6	55.1	60.0	63.2	67.6	66.2	62.1

Table 6C-17-4c. Feather River at Robinson Riffle, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.2	-0.2	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1
30%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1
40%	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
50%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	0.0
60%	-0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0	-0.1	0.0
70%	-0.2	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80%	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.1	-0.1	0.0
90%	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Long Term												
Full Simulation Period[a]	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dry (22%)	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1
Critical (15%)	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.2	0.0

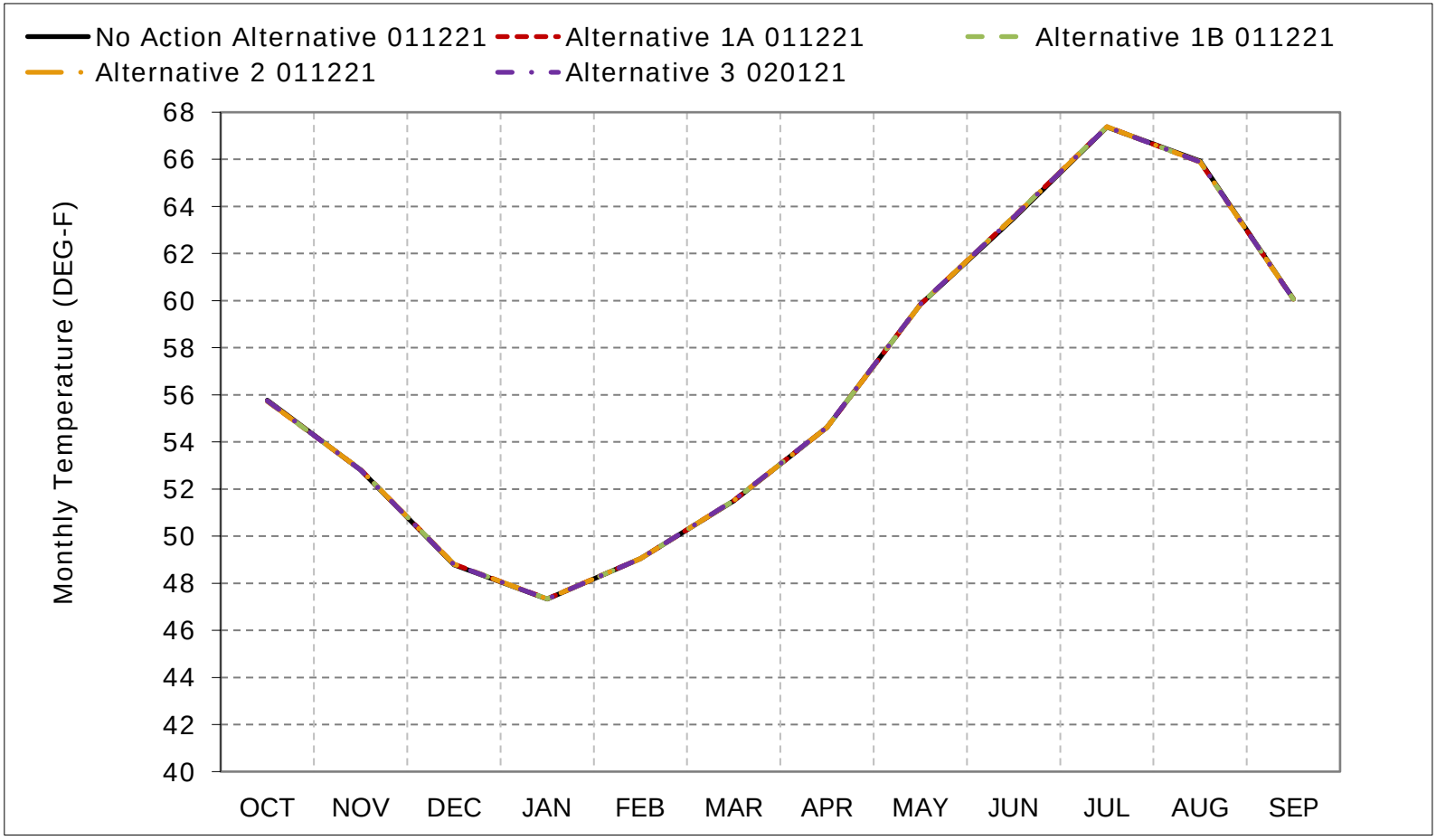
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

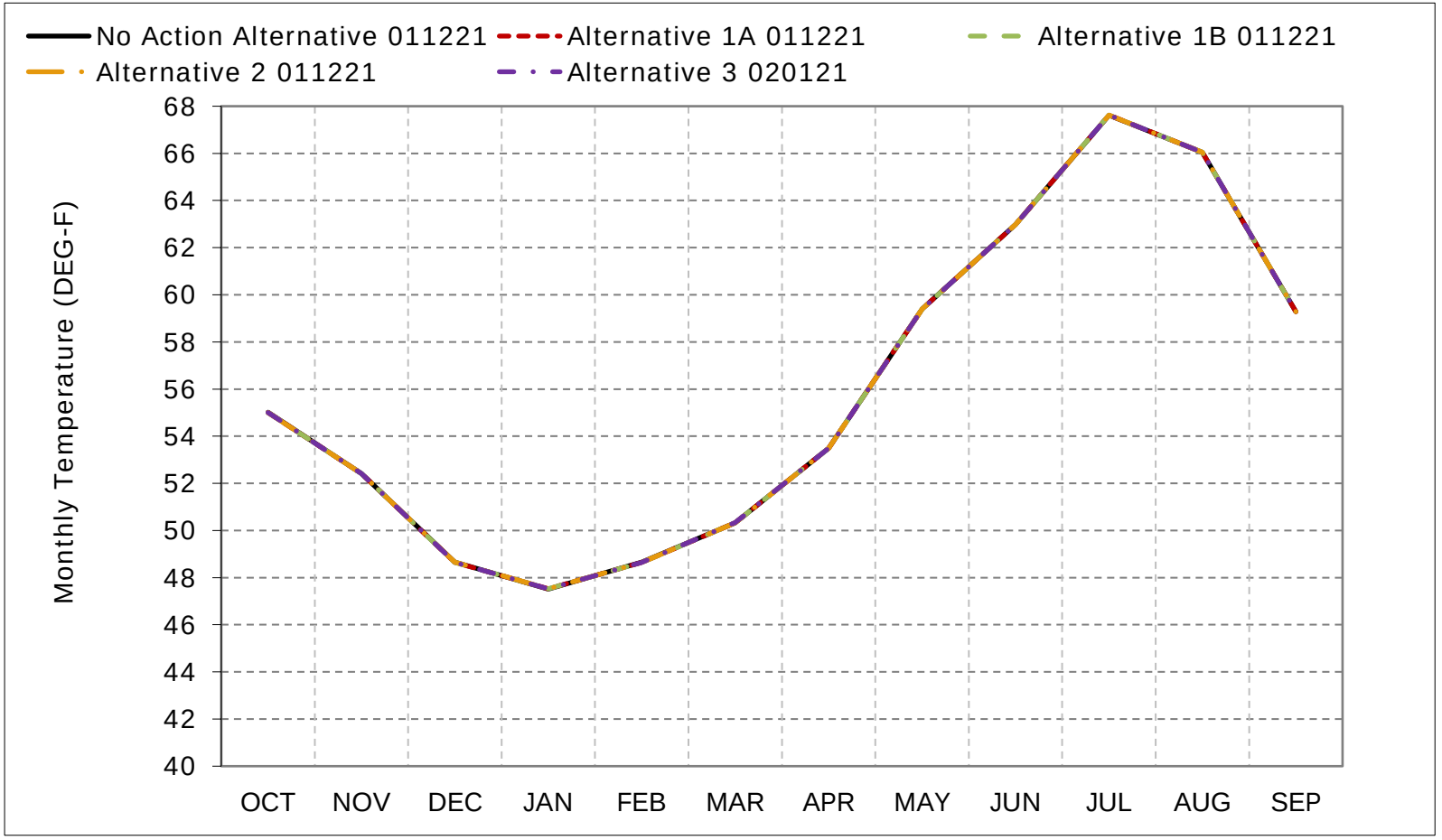
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-17-1. Feather River at Robinson Riffle, Long-Term Average Temperature



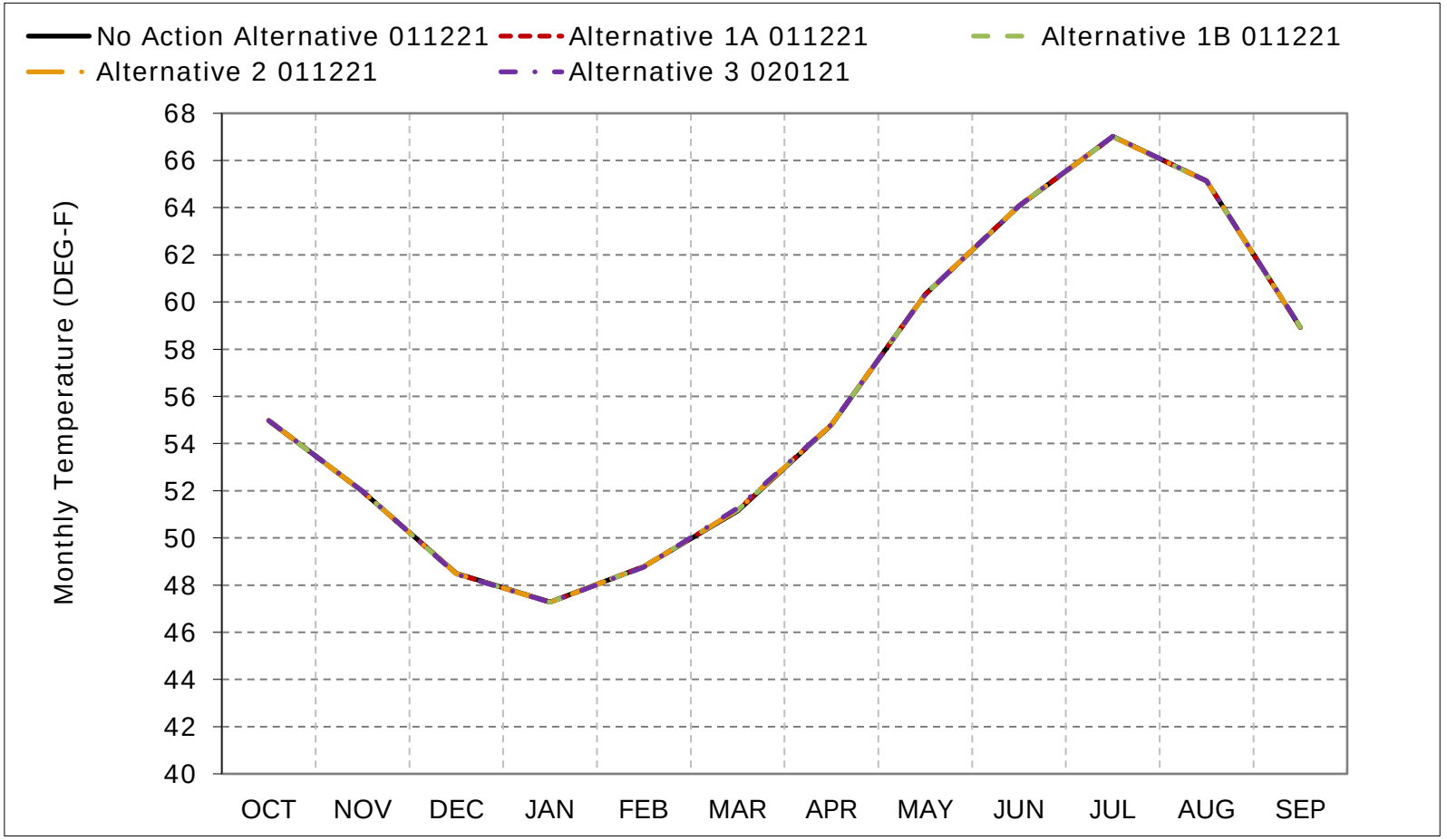
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-17-2. Feather River at Robinson Riffle, Wet Year Average Temperature



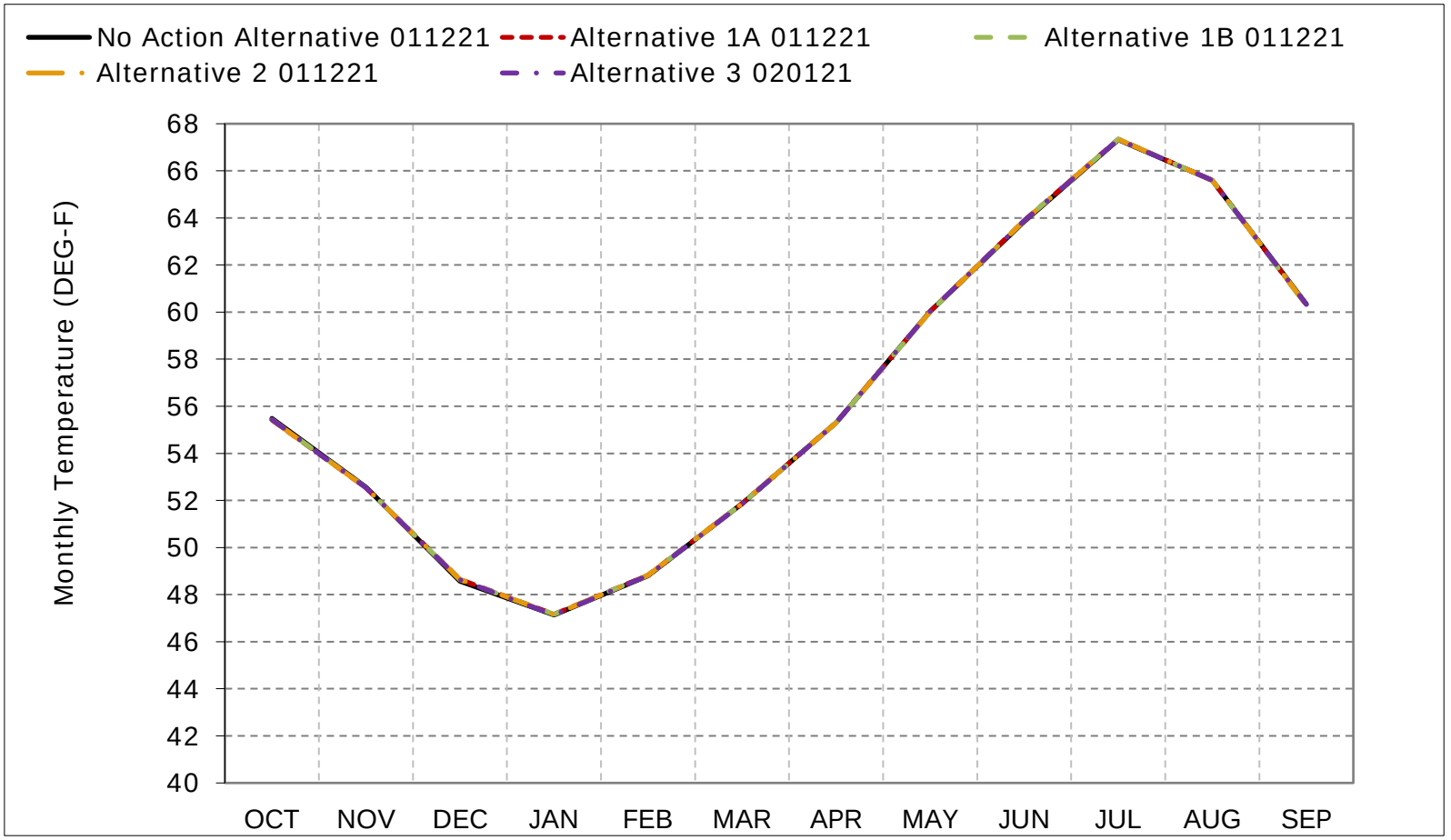
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-17-3. Feather River at Robinson Riffle, Above Normal Year Average Temperat



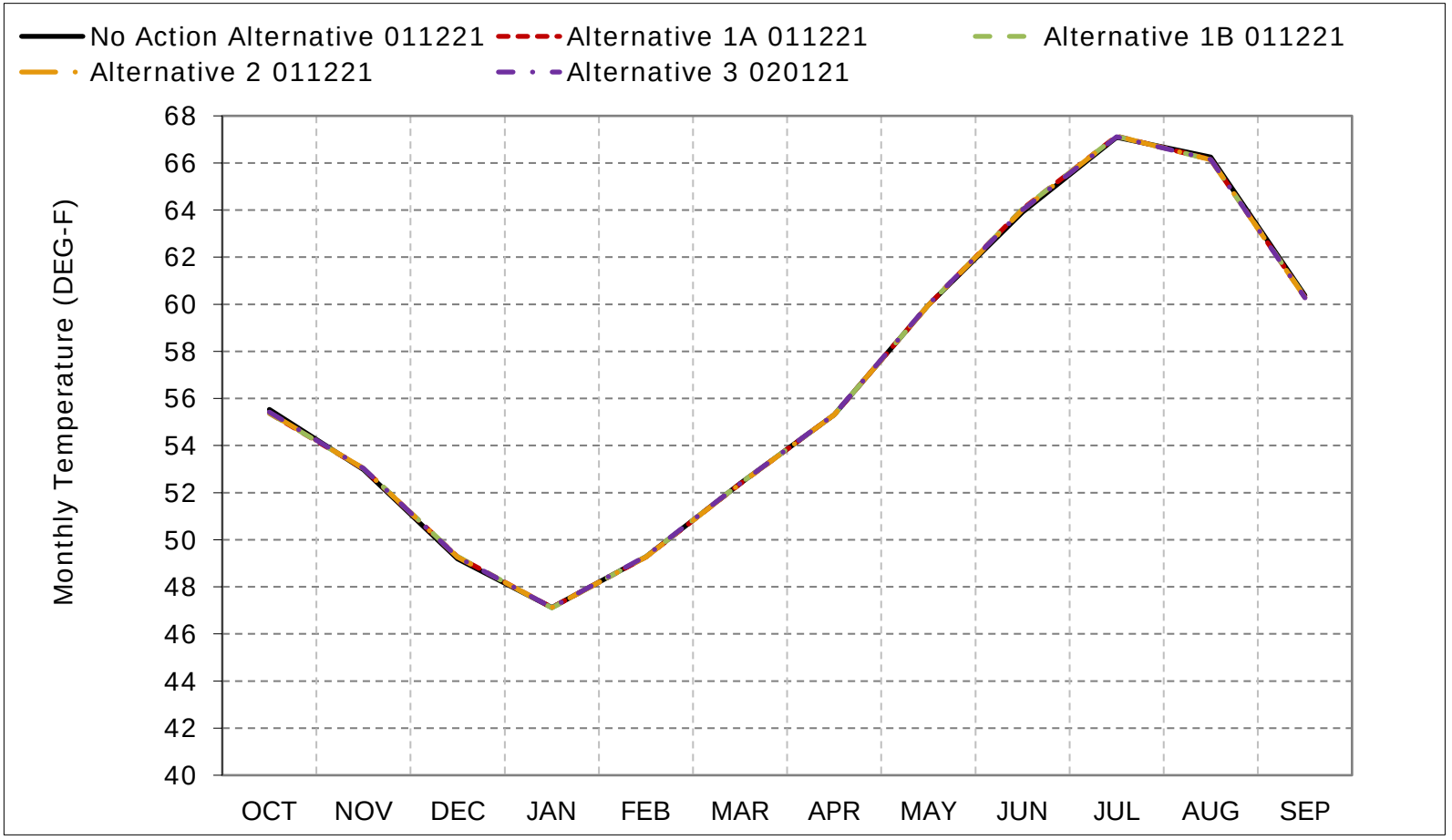
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-17-4. Feather River at Robinson Riffle, Below Normal Year Average Temperat



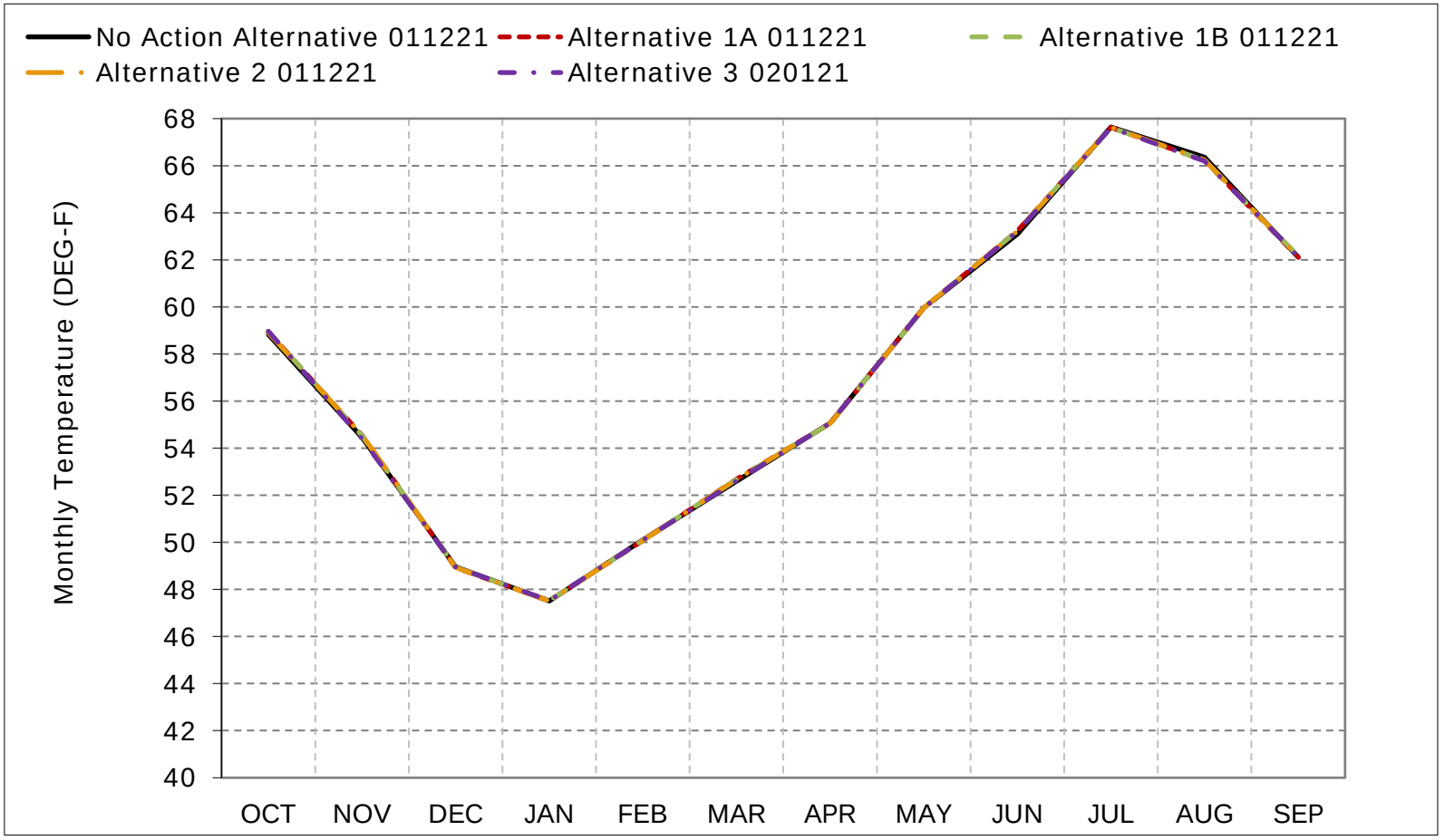
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-17-5. Feather River at Robinson Riffle, Dry Year Average Temperature



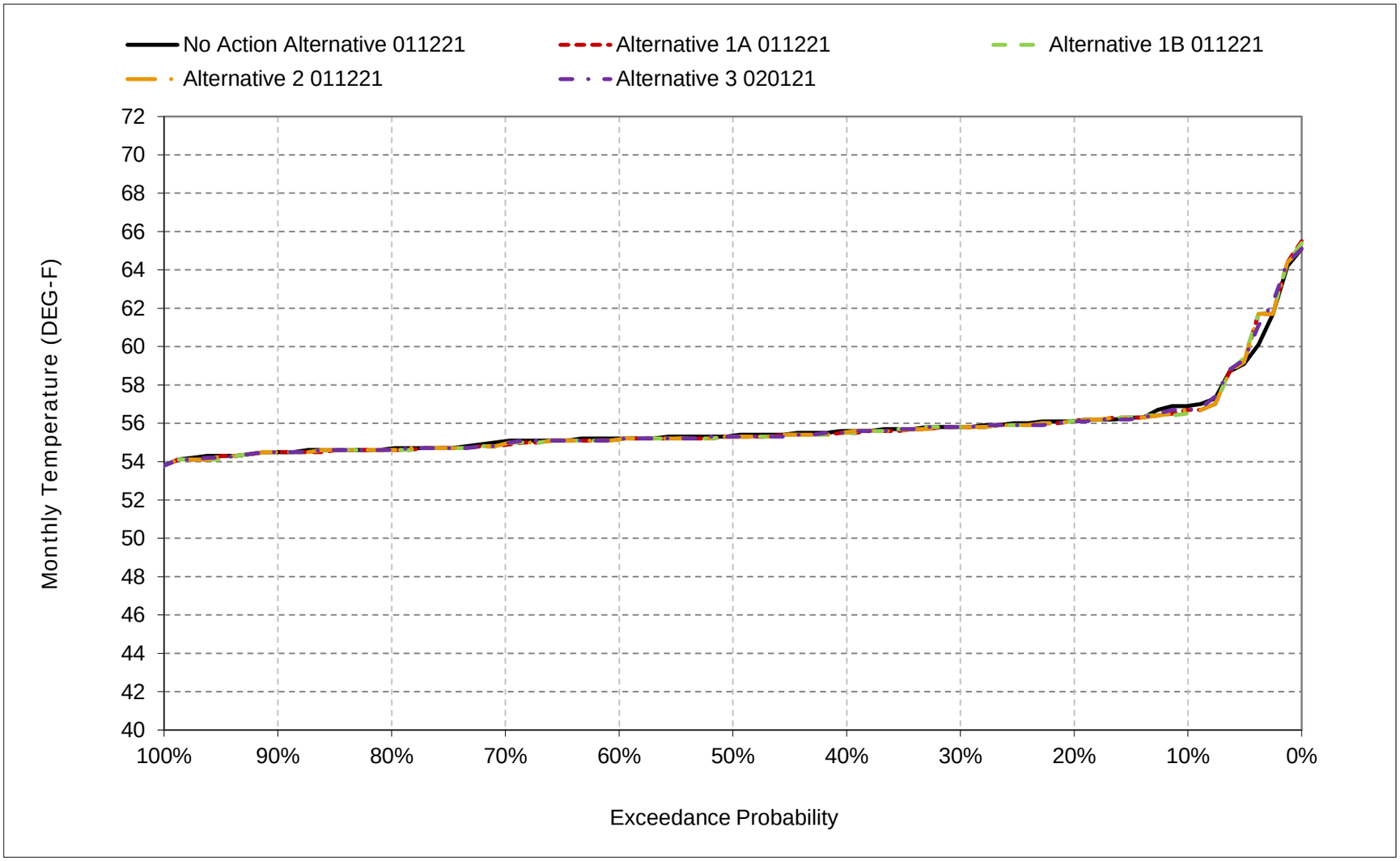
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-17-6. Feather River at Robinson Riffle, Critical Year Average Temperature



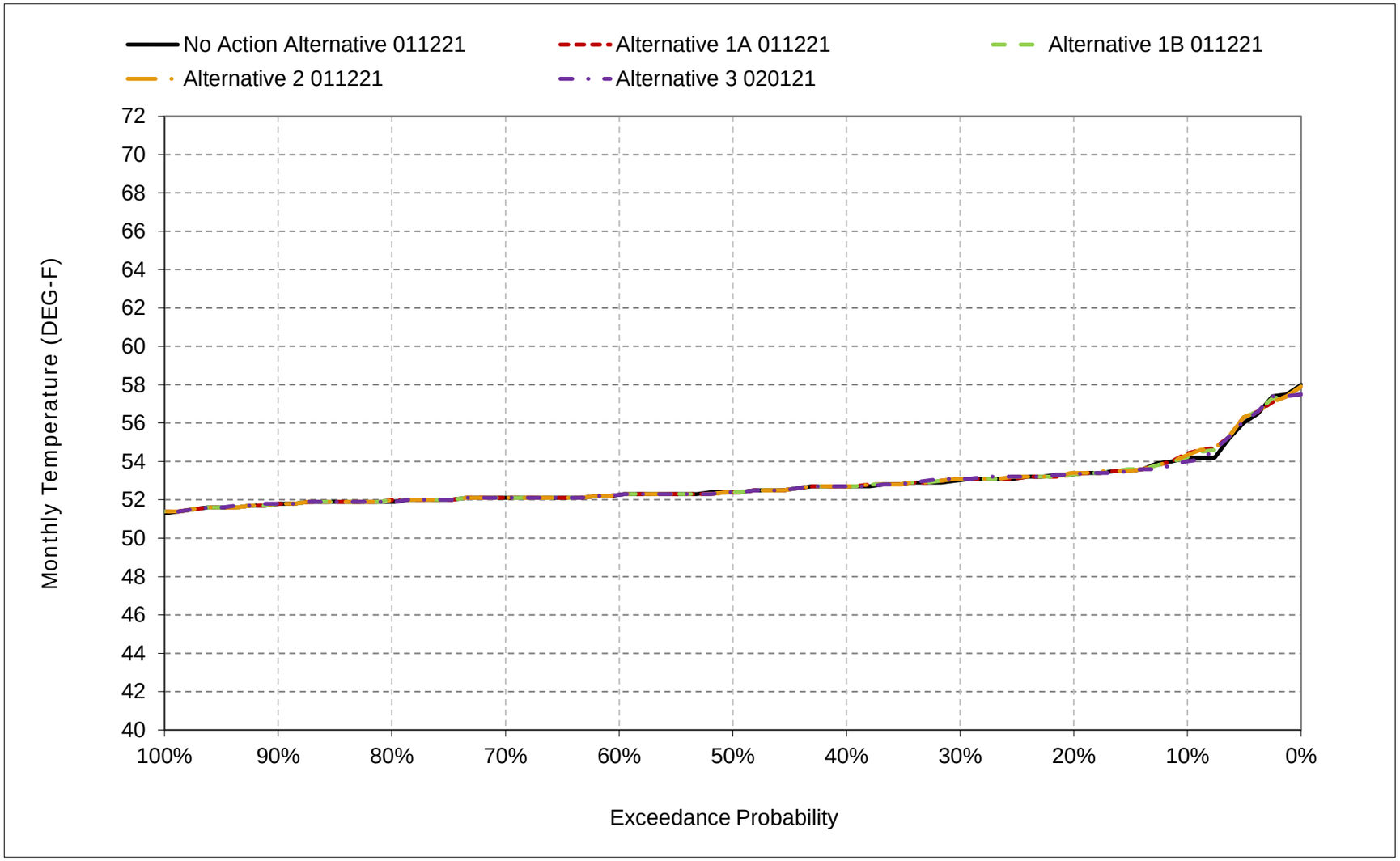
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-17-7. Feather River at Robinson Riffle, October



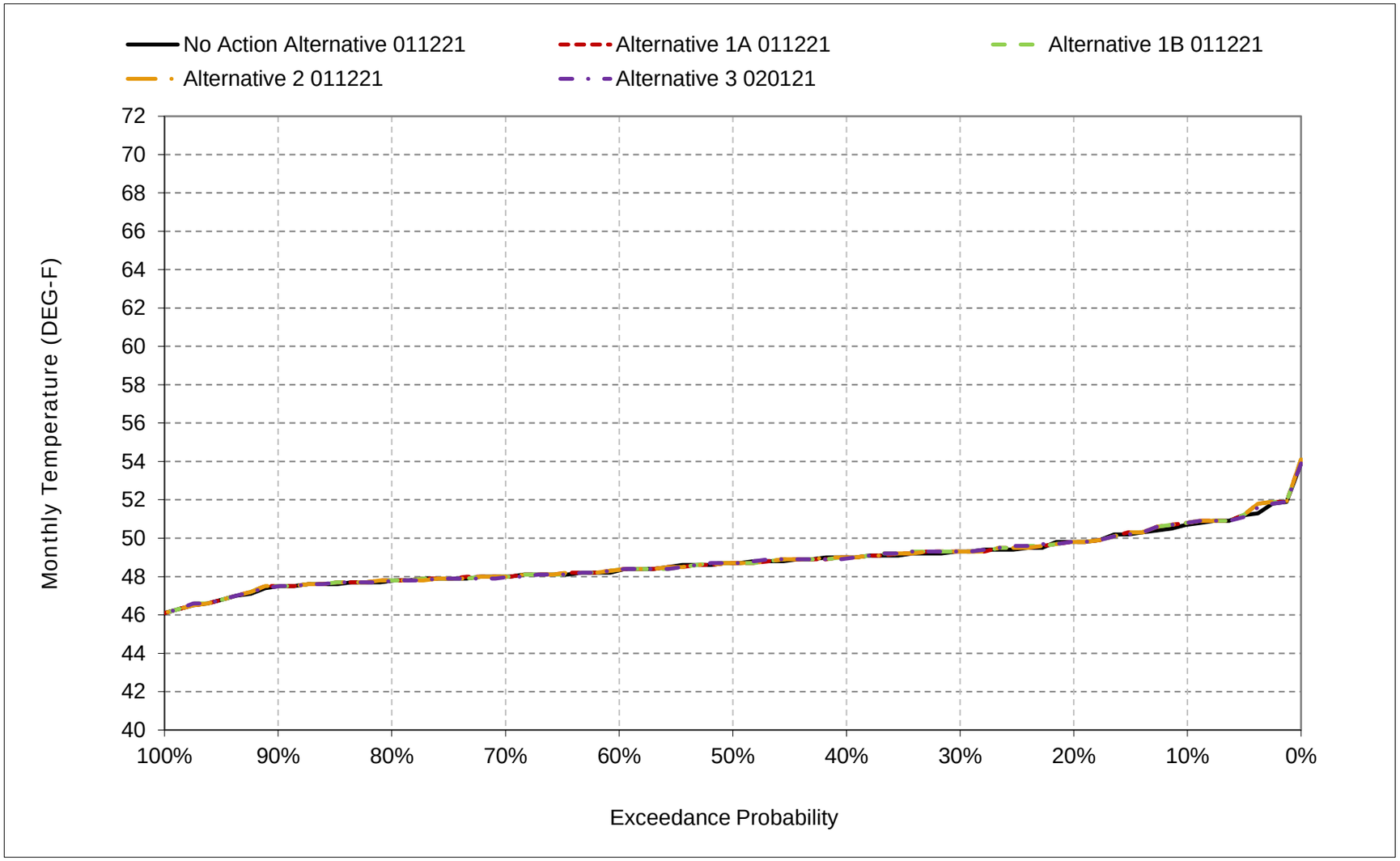
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-17-8. Feather River at Robinson Riffle, November



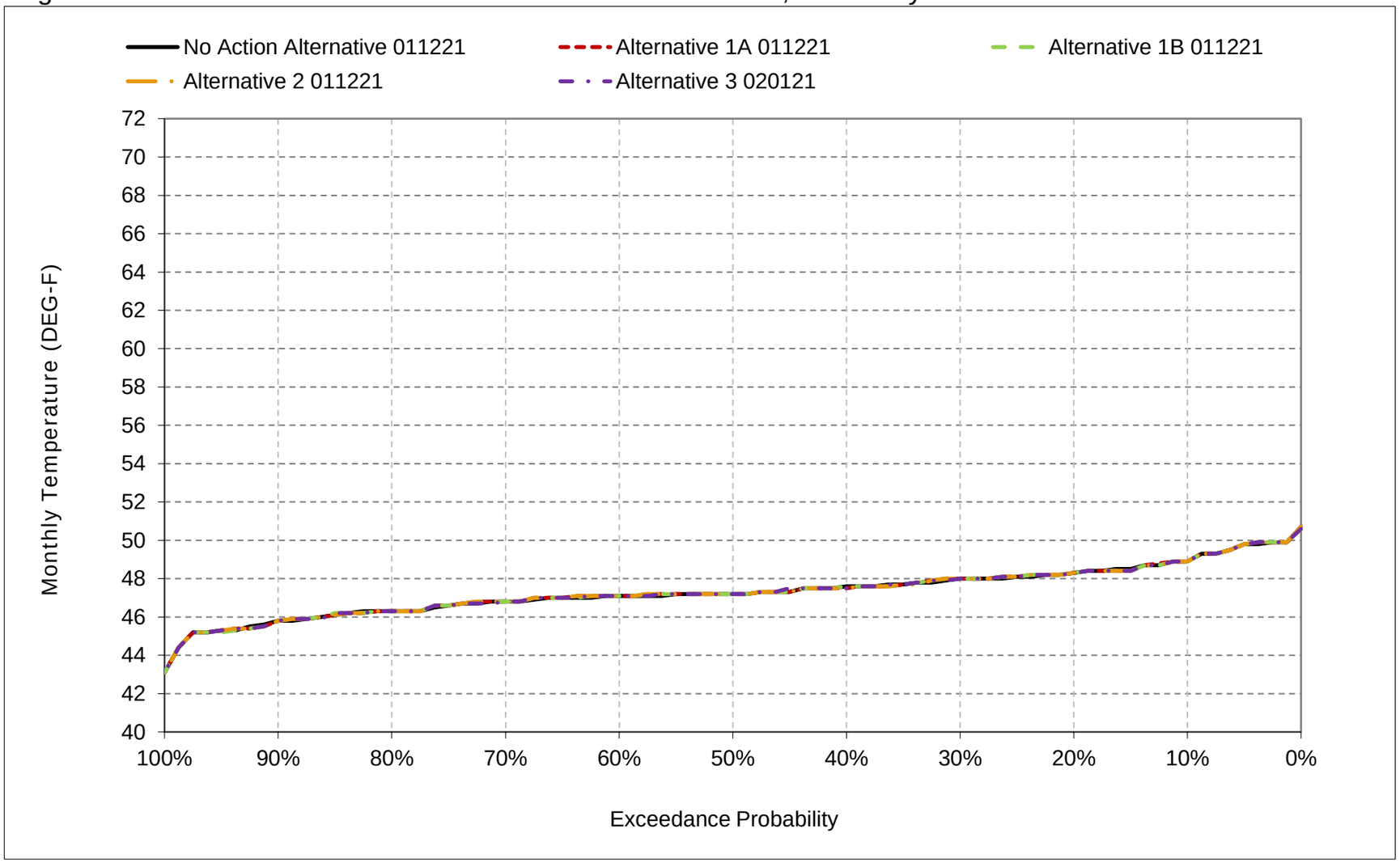
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-17-9. Feather River at Robinson Riffle, December



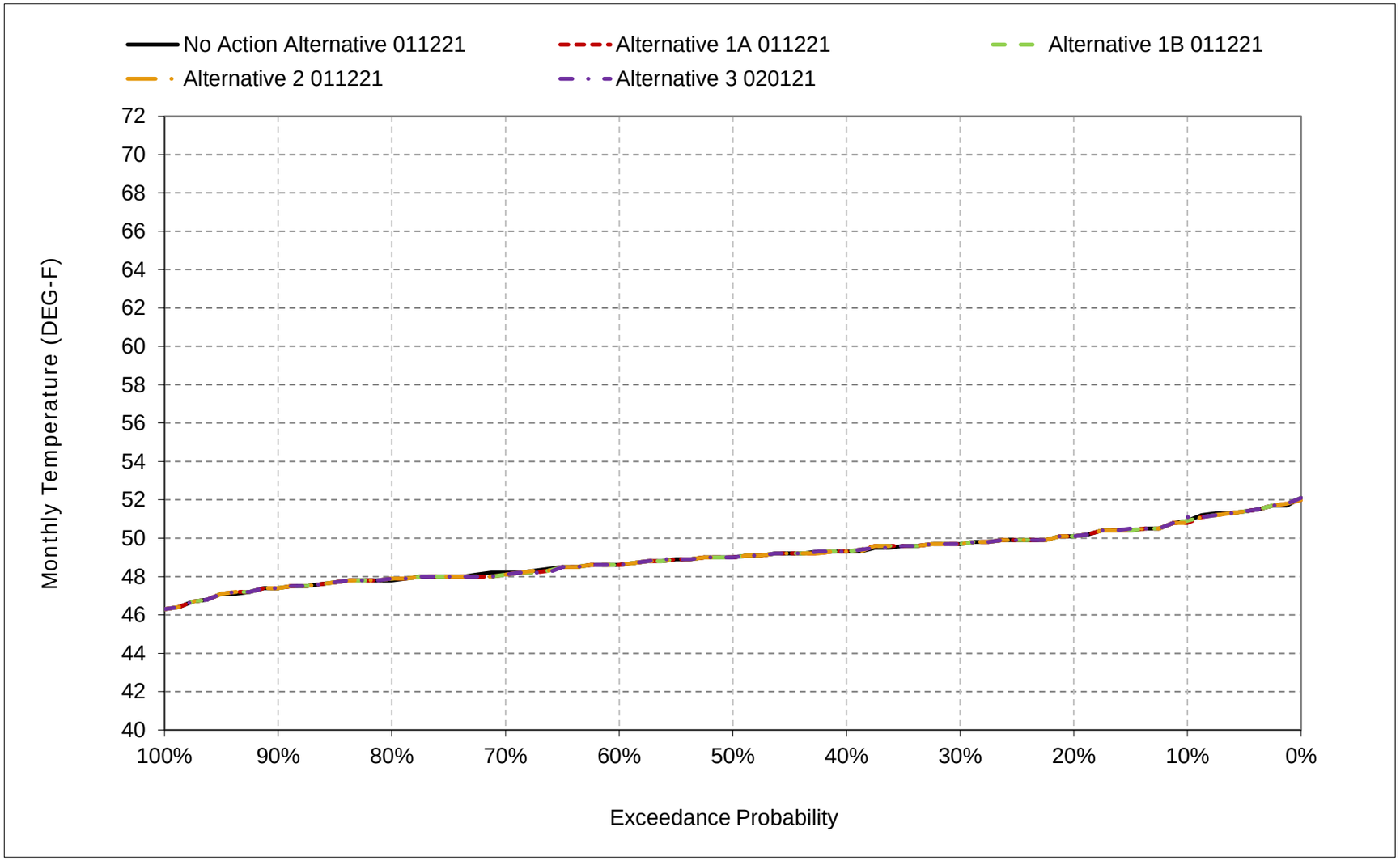
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-17-10. Feather River at Robinson Riffle, January



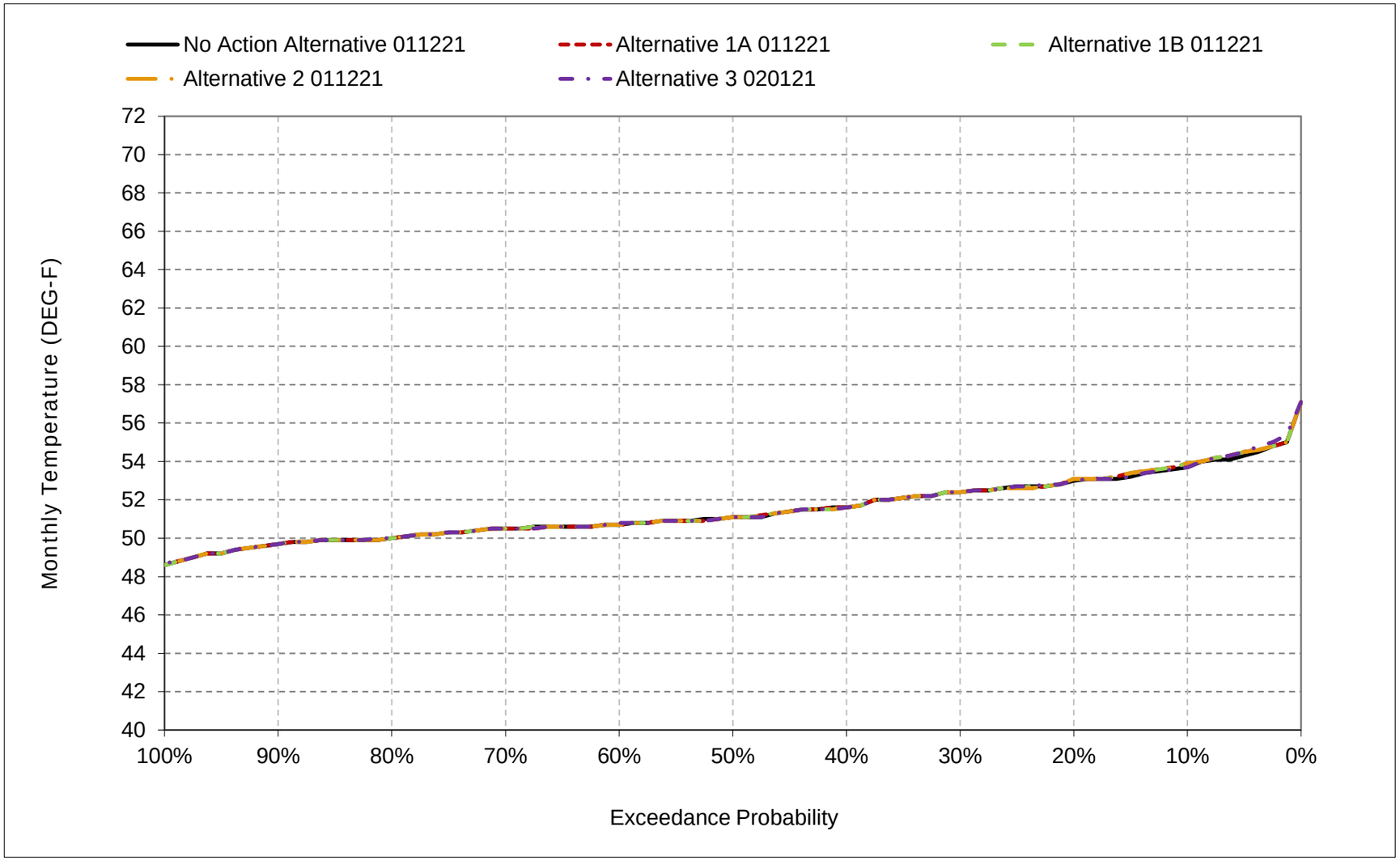
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-17-11. Feather River at Robinson Riffle, February



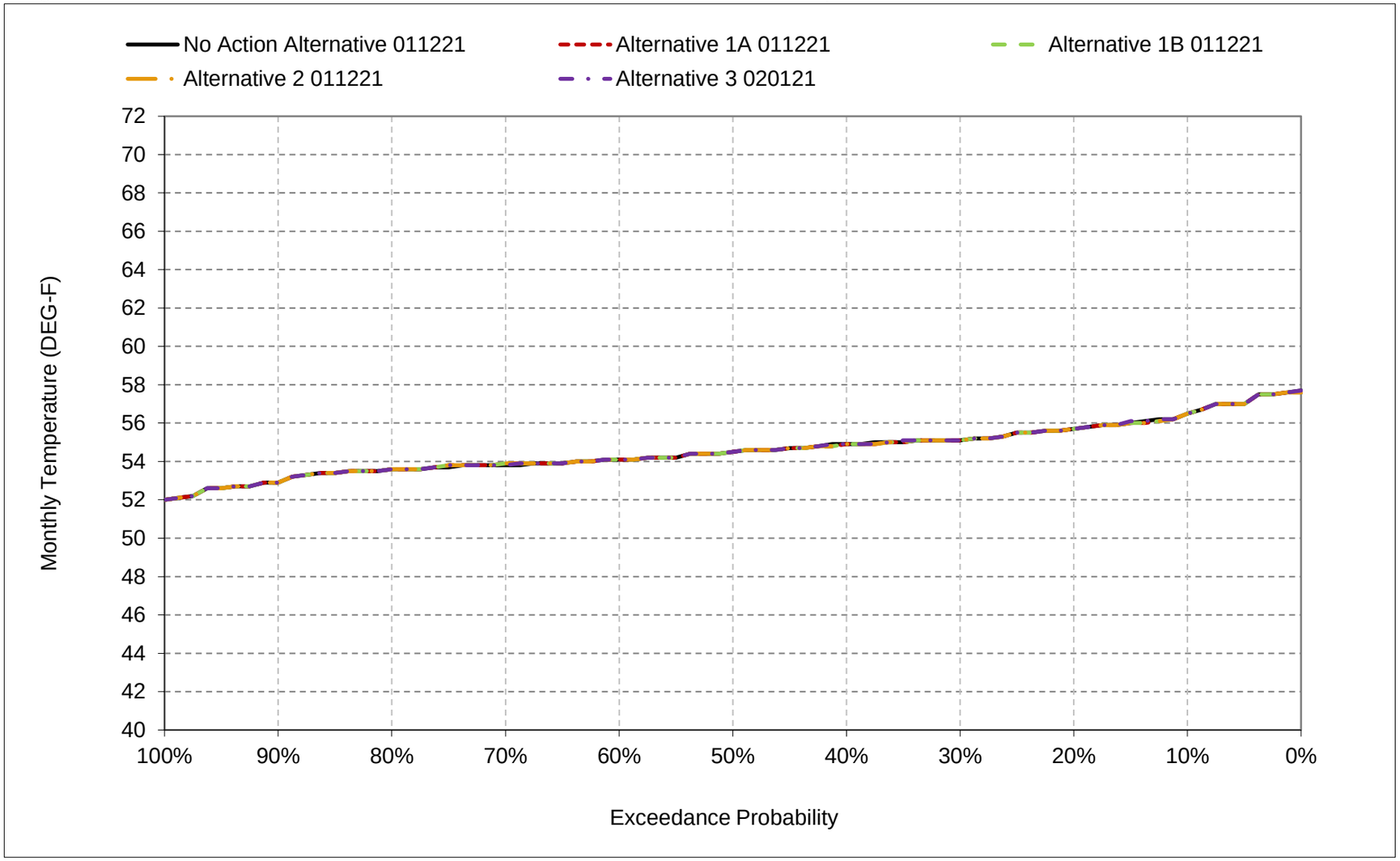
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-17-12. Feather River at Robinson Riffle, March



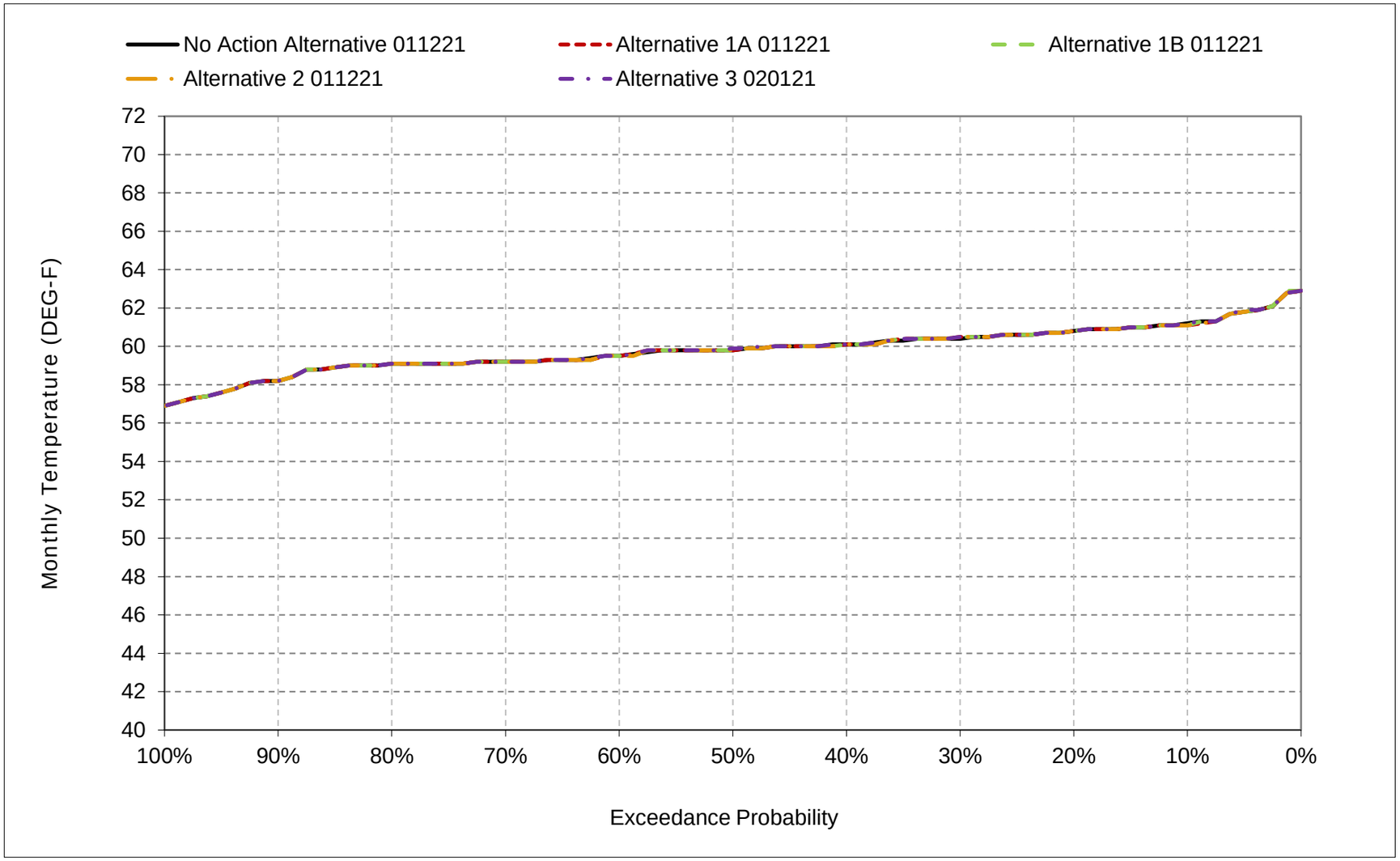
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-17-13. Feather River at Robinson Riffle, April



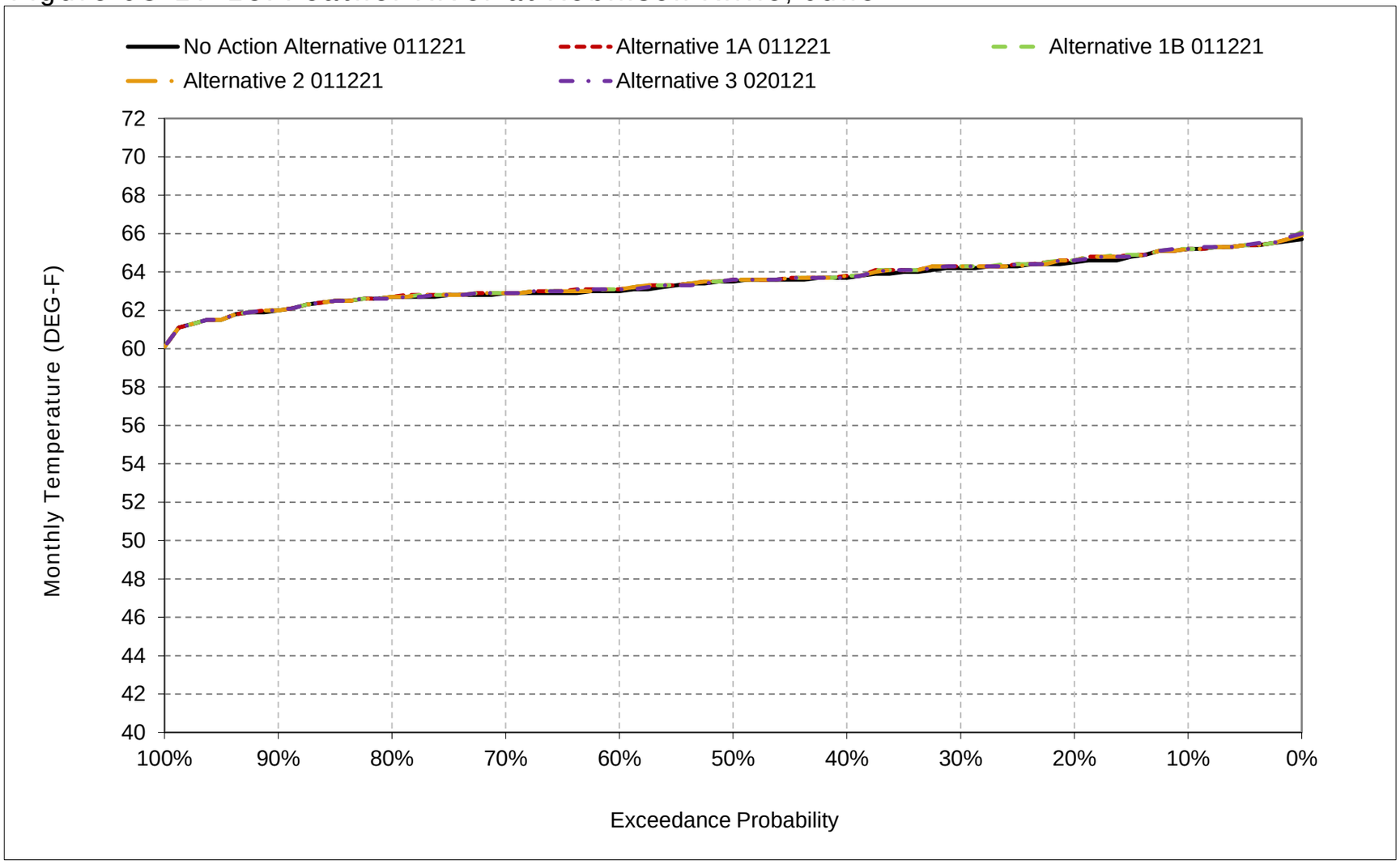
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-17-14. Feather River at Robinson Riffle, May



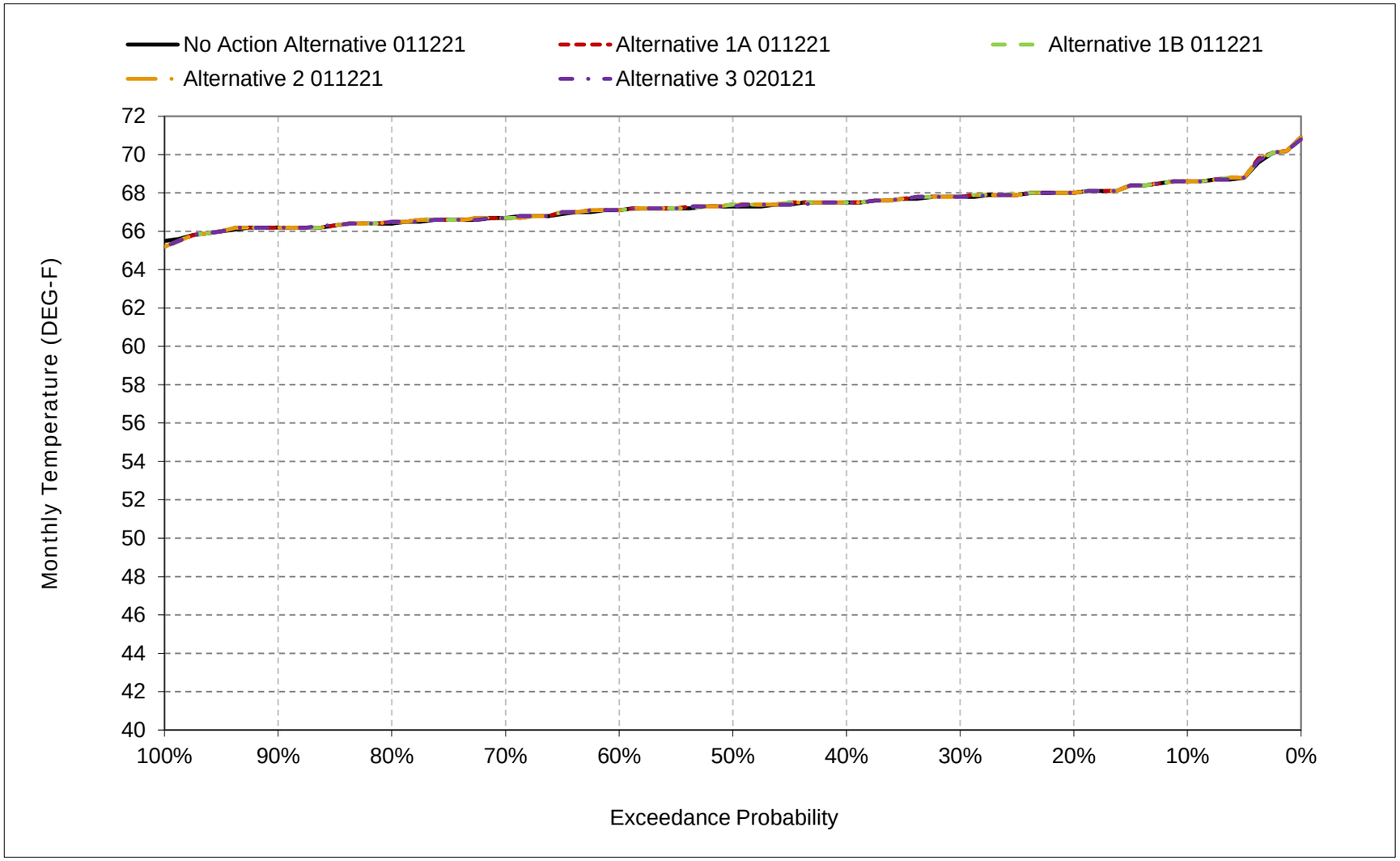
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-17-15. Feather River at Robinson Riffle, June



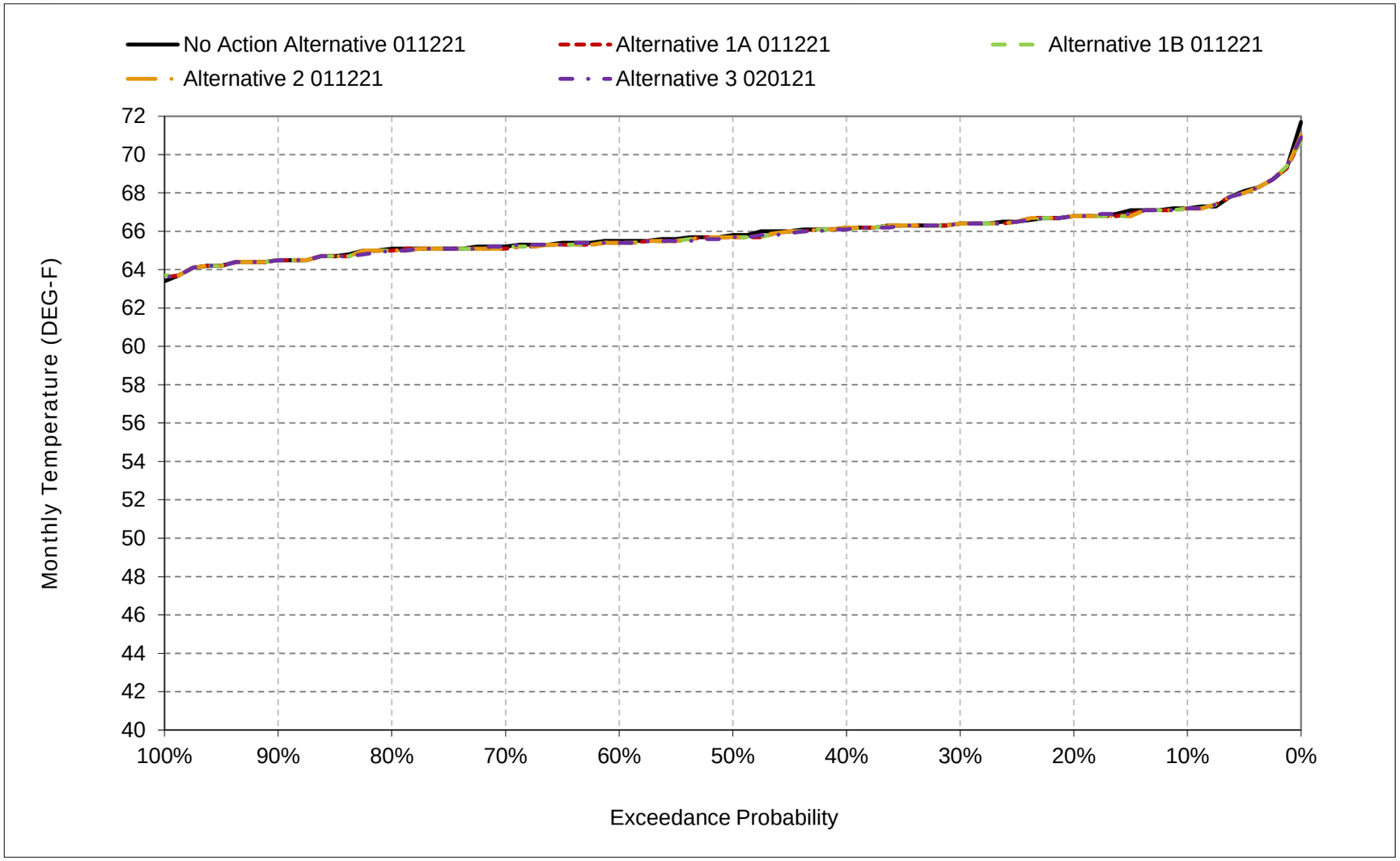
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-17-16. Feather River at Robinson Riffle, July



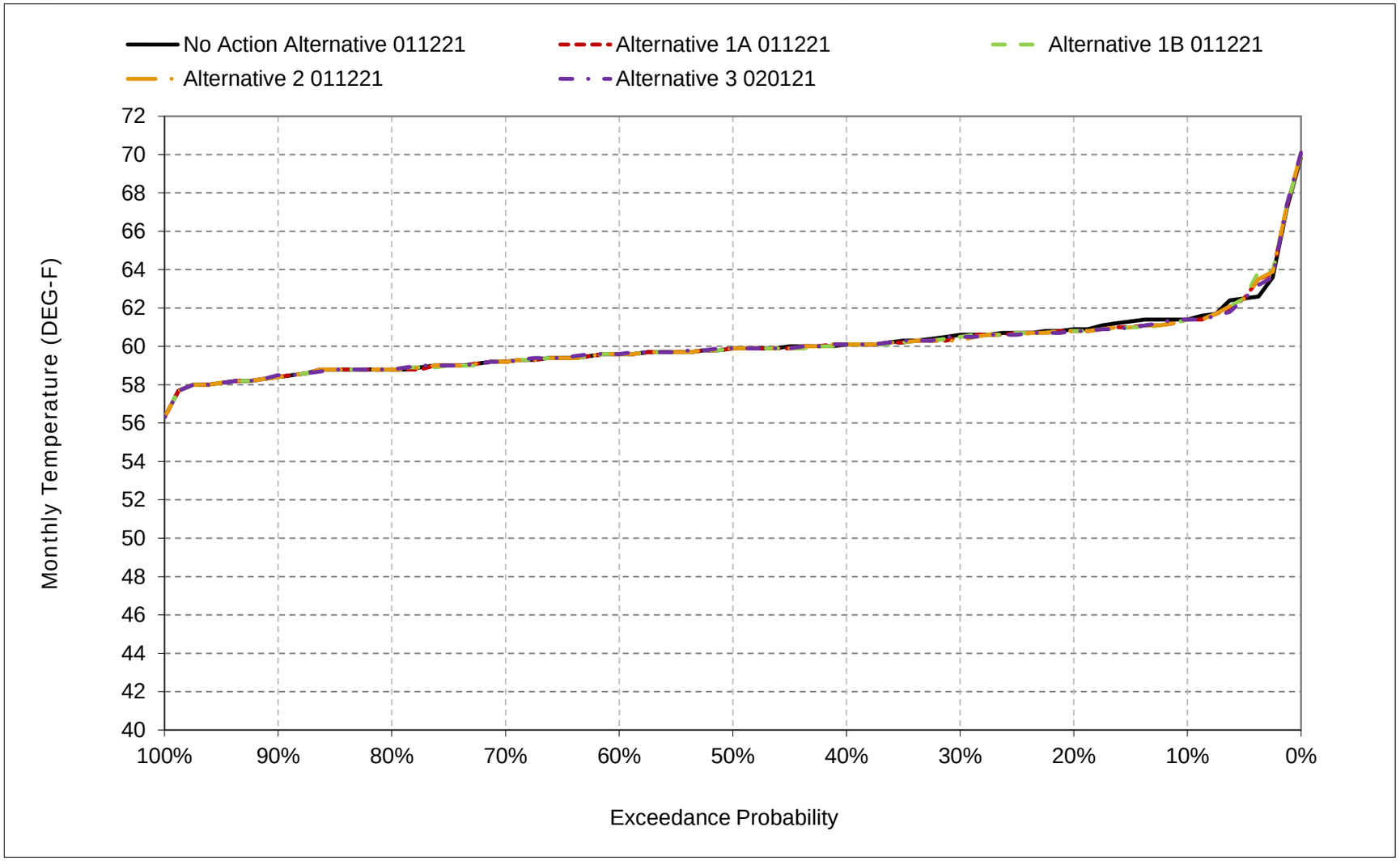
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-17-17. Feather River at Robinson Riffle, August



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

Figure 6C-17-18. Feather River at Robinson Riffle, September



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

Table 6C-18-1a. Feather River at Gridley Bridge, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	60.4	54.9	49.6	48.3	51.8	56.2	60.5	66.3	70.8	74.1	73.3	66.3
20%	59.5	54.2	49.0	47.9	51.5	55.0	59.2	65.1	69.7	72.3	71.8	65.9
30%	58.9	53.7	48.5	47.6	50.6	54.4	58.4	64.6	69.0	71.3	71.3	65.2
40%	58.7	53.1	48.1	47.2	50.2	54.0	58.1	64.1	68.6	70.4	70.5	64.3
50%	58.2	52.7	47.6	46.8	49.6	53.5	57.7	63.6	67.9	70.0	69.9	63.6
60%	57.9	52.3	46.9	46.1	49.1	52.8	57.3	63.1	67.4	69.4	69.1	62.9
70%	57.3	52.1	46.6	45.8	48.7	52.1	56.4	61.5	66.8	69.1	68.6	62.4
80%	57.0	51.7	46.4	45.2	48.4	51.2	55.8	60.7	66.2	68.5	67.7	61.7
90%	56.8	51.4	45.6	44.3	48.1	50.4	54.8	59.5	65.3	67.9	67.1	60.8
Long Term												
Full Simulation Period[a]	58.4	53.0	47.6	46.5	49.8	53.3	57.5	63.3	67.8	70.5	70.0	63.7
Water Year Types[b,c]												
Wet (32%)	57.8	52.9	47.7	47.1	49.2	51.5	55.6	61.4	66.5	71.0	70.2	62.7
Above Normal (15%)	57.7	51.9	47.1	46.6	49.7	53.1	58.1	64.0	68.9	69.1	67.6	61.6
Below Normal (17%)	58.9	53.0	47.1	46.1	49.7	54.2	58.7	64.1	68.5	69.1	68.1	65.0
Dry (22%)	58.2	53.2	48.0	45.8	50.1	54.7	58.5	64.1	68.2	70.0	71.4	64.3
Critical (15%)	60.4	54.1	47.6	46.5	51.1	54.4	58.4	64.3	68.1	73.0	71.8	65.8

Table 6C-18-1b. Feather River at Gridley Bridge, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	60.5	55.0	49.7	48.3	51.8	56.2	60.5	66.3	71.0	74.1	73.1	66.9
20%	59.6	54.4	49.0	47.9	51.4	55.0	59.2	65.1	69.9	72.7	71.8	65.9
30%	59.0	53.7	48.5	47.6	50.6	54.5	58.5	64.5	69.3	71.2	71.4	65.1
40%	58.7	53.1	48.1	47.1	50.2	54.1	58.1	64.1	68.8	70.5	70.3	64.5
50%	58.5	52.7	47.8	46.8	49.6	53.5	57.7	63.6	67.9	70.1	69.8	63.8
60%	57.9	52.3	47.0	46.2	49.1	52.8	57.3	63.1	67.6	69.6	69.1	62.9
70%	57.4	52.1	46.7	45.7	48.7	52.1	56.4	61.5	67.1	69.3	68.6	62.4
80%	57.1	51.7	46.4	45.1	48.4	51.2	55.8	60.7	66.3	68.6	67.7	61.8
90%	56.8	51.4	45.6	44.3	48.1	50.4	54.8	59.5	65.3	67.9	66.9	60.8
Long Term												
Full Simulation Period[a]	58.5	53.0	47.6	46.5	49.8	53.3	57.5	63.2	68.0	70.6	70.0	63.9
Water Year Types[b,c]												
Wet (32%)	57.8	52.9	47.7	47.1	49.1	51.5	55.6	61.4	66.5	71.0	70.2	62.7
Above Normal (15%)	57.8	51.9	47.1	46.6	49.7	53.1	58.1	64.0	68.8	69.1	67.6	61.6
Below Normal (17%)	58.9	53.0	47.2	46.1	49.7	54.2	58.7	64.1	68.7	69.3	68.1	65.0
Dry (22%)	58.4	53.2	48.1	45.8	50.1	54.7	58.6	64.0	68.8	70.3	71.4	64.4
Critical (15%)	60.7	54.2	47.5	46.5	51.1	54.4	58.4	64.3	68.5	73.1	71.6	66.2

Table 6C-18-1c. Feather River at Gridley Bridge, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.2	0.6
20%	0.1	0.2	0.0	0.0	-0.1	0.0	0.0	0.0	0.2	0.4	0.0	0.0
30%	0.1	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.3	-0.1	0.1	-0.1
40%	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.2	0.1	-0.2	0.2
50%	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.2
60%	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0
70%	0.1	0.0	0.1	-0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0
80%	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0
Long Term												
Full Simulation Period[a]	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.1
Dry (22%)	0.2	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	0.6	0.4	0.0	0.2
Critical (15%)	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.1	-0.1	0.4

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-18-2a. Feather River at Gridley Bridge, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	60.4	54.9	49.6	48.3	51.8	56.2	60.5	66.3	70.8	74.1	73.3	66.3
20%	59.5	54.2	49.0	47.9	51.5	55.0	59.2	65.1	69.7	72.3	71.8	65.9
30%	58.9	53.7	48.5	47.6	50.6	54.4	58.4	64.6	69.0	71.3	71.3	65.2
40%	58.7	53.1	48.1	47.2	50.2	54.0	58.1	64.1	68.6	70.4	70.5	64.3
50%	58.2	52.7	47.6	46.8	49.6	53.5	57.7	63.6	67.9	70.0	69.9	63.6
60%	57.9	52.3	46.9	46.1	49.1	52.8	57.3	63.1	67.4	69.4	69.1	62.9
70%	57.3	52.1	46.6	45.8	48.7	52.1	56.4	61.5	66.8	69.1	68.6	62.4
80%	57.0	51.7	46.4	45.2	48.4	51.2	55.8	60.7	66.2	68.5	67.7	61.7
90%	56.8	51.4	45.6	44.3	48.1	50.4	54.8	59.5	65.3	67.9	67.1	60.8
Long Term												
Full Simulation Period[a]	58.4	53.0	47.6	46.5	49.8	53.3	57.5	63.3	67.8	70.5	70.0	63.7
Water Year Types[b,c]												
Wet (32%)	57.8	52.9	47.7	47.1	49.2	51.5	55.6	61.4	66.5	71.0	70.2	62.7
Above Normal (15%)	57.7	51.9	47.1	46.6	49.7	53.1	58.1	64.0	68.9	69.1	67.6	61.6
Below Normal (17%)	58.9	53.0	47.1	46.1	49.7	54.2	58.7	64.1	68.5	69.1	68.1	65.0
Dry (22%)	58.2	53.2	48.0	45.8	50.1	54.7	58.5	64.1	68.2	70.0	71.4	64.3
Critical (15%)	60.4	54.1	47.6	46.5	51.1	54.4	58.4	64.3	68.1	73.0	71.8	65.8

Table 6C-18-2b. Feather River at Gridley Bridge, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	60.5	54.9	49.7	48.3	51.8	56.2	60.5	66.3	71.0	74.1	73.1	67.0
20%	59.6	54.4	49.0	47.9	51.4	55.0	59.2	65.1	70.3	72.7	71.8	65.9
30%	59.0	53.7	48.6	47.6	50.6	54.5	58.5	64.5	69.3	71.2	71.4	65.2
40%	58.7	53.1	48.1	47.1	50.2	54.1	58.1	64.1	68.8	70.5	70.4	64.5
50%	58.3	52.7	47.7	46.8	49.6	53.5	57.7	63.6	67.9	70.1	69.9	63.9
60%	57.9	52.3	47.0	46.2	49.1	52.8	57.3	63.1	67.6	69.5	69.1	62.9
70%	57.4	52.1	46.7	45.7	48.7	52.1	56.4	61.7	67.1	69.3	68.6	62.4
80%	57.1	51.7	46.4	44.9	48.4	51.2	55.8	60.7	66.3	68.6	67.7	61.8
90%	56.8	51.4	45.6	44.3	48.1	50.4	54.8	59.5	65.3	67.9	66.9	60.8
Long Term												
Full Simulation Period[a]	58.5	53.0	47.6	46.5	49.8	53.3	57.5	63.3	68.0	70.6	70.0	63.9
Water Year Types[b,c]												
Wet (32%)	57.8	52.9	47.7	47.1	49.1	51.4	55.6	61.4	66.5	71.0	70.2	62.7
Above Normal (15%)	57.8	51.9	47.1	46.6	49.7	53.1	58.1	64.0	68.9	69.1	67.6	61.6
Below Normal (17%)	58.9	53.0	47.2	46.1	49.7	54.2	58.7	64.1	68.7	69.3	68.1	65.0
Dry (22%)	58.4	53.2	48.1	45.8	50.1	54.7	58.5	64.0	68.9	70.2	71.4	64.4
Critical (15%)	60.7	54.2	47.6	46.5	51.1	54.4	58.4	64.3	68.5	73.0	71.7	66.2

Table 6C-18-2c. Feather River at Gridley Bridge, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.2	0.7
20%	0.1	0.2	0.0	0.0	-0.1	0.0	0.0	0.0	0.6	0.4	0.0	0.0
30%	0.1	0.0	0.1	0.0	0.0	0.1	0.1	-0.1	0.3	-0.1	0.1	0.0
40%	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.2	0.1	-0.1	0.2
50%	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3
60%	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0
70%	0.1	0.0	0.1	-0.1	0.0	0.0	0.0	0.2	0.3	0.2	0.0	0.0
80%	0.1	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1
90%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0
Long Term												
Full Simulation Period[a]	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0
Dry (22%)	0.2	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	0.7	0.3	0.0	0.1
Critical (15%)	0.3	0.1	0.0	0.0	0.0	0.1	-0.1	0.0	0.4	0.1	-0.1	0.4

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-18-3a. Feather River at Gridley Bridge, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	60.4	54.9	49.6	48.3	51.8	56.2	60.5	66.3	70.8	74.1	73.3	66.3
20%	59.5	54.2	49.0	47.9	51.5	55.0	59.2	65.1	69.7	72.3	71.8	65.9
30%	58.9	53.7	48.5	47.6	50.6	54.4	58.4	64.6	69.0	71.3	71.3	65.2
40%	58.7	53.1	48.1	47.2	50.2	54.0	58.1	64.1	68.6	70.4	70.5	64.3
50%	58.2	52.7	47.6	46.8	49.6	53.5	57.7	63.6	67.9	70.0	69.9	63.6
60%	57.9	52.3	46.9	46.1	49.1	52.8	57.3	63.1	67.4	69.4	69.1	62.9
70%	57.3	52.1	46.6	45.8	48.7	52.1	56.4	61.5	66.8	69.1	68.6	62.4
80%	57.0	51.7	46.4	45.2	48.4	51.2	55.8	60.7	66.2	68.5	67.7	61.7
90%	56.8	51.4	45.6	44.3	48.1	50.4	54.8	59.5	65.3	67.9	67.1	60.8
Long Term												
Full Simulation Period[a]	58.4	53.0	47.6	46.5	49.8	53.3	57.5	63.3	67.8	70.5	70.0	63.7
Water Year Types[b,c]												
Wet (32%)	57.8	52.9	47.7	47.1	49.2	51.5	55.6	61.4	66.5	71.0	70.2	62.7
Above Normal (15%)	57.7	51.9	47.1	46.6	49.7	53.1	58.1	64.0	68.9	69.1	67.6	61.6
Below Normal (17%)	58.9	53.0	47.1	46.1	49.7	54.2	58.7	64.1	68.5	69.1	68.1	65.0
Dry (22%)	58.2	53.2	48.0	45.8	50.1	54.7	58.5	64.1	68.2	70.0	71.4	64.3
Critical (15%)	60.4	54.1	47.6	46.5	51.1	54.4	58.4	64.3	68.1	73.0	71.8	65.8

Table 6C-18-3b. Feather River at Gridley Bridge, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	60.5	54.9	49.7	48.3	51.8	56.2	60.5	66.3	71.0	74.1	73.1	66.9
20%	59.6	54.4	49.0	47.9	51.4	55.0	59.2	65.1	69.9	72.7	71.8	65.9
30%	59.0	53.7	48.5	47.6	50.6	54.5	58.5	64.5	69.3	71.2	71.3	65.2
40%	58.7	53.1	48.1	47.1	50.2	54.1	58.1	64.1	68.8	70.5	70.3	64.5
50%	58.3	52.7	47.8	46.8	49.6	53.5	57.7	63.6	67.9	70.1	69.8	63.8
60%	57.9	52.3	47.0	46.2	49.1	52.8	57.3	63.1	67.6	69.6	69.1	62.9
70%	57.4	52.1	46.7	45.7	48.7	52.1	56.4	61.5	67.1	69.3	68.6	62.4
80%	57.0	51.7	46.4	45.1	48.4	51.2	55.8	60.7	66.3	68.6	67.7	61.8
90%	56.7	51.4	45.6	44.3	48.1	50.4	54.8	59.5	65.3	67.9	66.9	60.8
Long Term												
Full Simulation Period[a]	58.5	53.0	47.6	46.5	49.8	53.3	57.5	63.2	68.0	70.6	70.0	63.9
Water Year Types[b,c]												
Wet (32%)	57.8	52.9	47.7	47.1	49.1	51.5	55.6	61.4	66.5	71.0	70.2	62.7
Above Normal (15%)	57.8	51.9	47.1	46.6	49.7	53.1	58.1	64.0	68.8	69.1	67.6	61.6
Below Normal (17%)	58.9	53.0	47.2	46.1	49.7	54.2	58.7	64.1	68.7	69.3	68.1	65.0
Dry (22%)	58.3	53.2	48.1	45.8	50.1	54.7	58.6	64.0	68.8	70.3	71.4	64.5
Critical (15%)	60.6	54.2	47.5	46.5	51.1	54.4	58.4	64.3	68.4	73.1	71.6	66.2

Table 6C-18-3c. Feather River at Gridley Bridge, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.2	0.6
20%	0.1	0.2	0.0	0.0	-0.1	0.0	0.0	0.0	0.2	0.4	0.0	0.0
30%	0.1	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.3	-0.1	0.0	0.0
40%	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.2	0.1	-0.2	0.2
50%	0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.2
60%	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0
70%	0.1	0.0	0.1	-0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0
80%	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1
90%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0
Long Term												
Full Simulation Period[a]	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0
Below Normal (17%)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.1
Dry (22%)	0.2	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	0.6	0.3	0.0	0.2
Critical (15%)	0.3	0.1	0.0	0.0	0.0	0.1	-0.1	0.0	0.4	0.1	-0.1	0.4

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-18-4a. Feather River at Gridley Bridge, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	60.4	54.9	49.6	48.3	51.8	56.2	60.5	66.3	70.8	74.1	73.3	66.3
20%	59.5	54.2	49.0	47.9	51.5	55.0	59.2	65.1	69.7	72.3	71.8	65.9
30%	58.9	53.7	48.5	47.6	50.6	54.4	58.4	64.6	69.0	71.3	71.3	65.2
40%	58.7	53.1	48.1	47.2	50.2	54.0	58.1	64.1	68.6	70.4	70.5	64.3
50%	58.2	52.7	47.6	46.8	49.6	53.5	57.7	63.6	67.9	70.0	69.9	63.6
60%	57.9	52.3	46.9	46.1	49.1	52.8	57.3	63.1	67.4	69.4	69.1	62.9
70%	57.3	52.1	46.6	45.8	48.7	52.1	56.4	61.5	66.8	69.1	68.6	62.4
80%	57.0	51.7	46.4	45.2	48.4	51.2	55.8	60.7	66.2	68.5	67.7	61.7
90%	56.8	51.4	45.6	44.3	48.1	50.4	54.8	59.5	65.3	67.9	67.1	60.8
Long Term												
Full Simulation Period[a]	58.4	53.0	47.6	46.5	49.8	53.3	57.5	63.3	67.8	70.5	70.0	63.7
Water Year Types[b,c]												
Wet (32%)	57.8	52.9	47.7	47.1	49.2	51.5	55.6	61.4	66.5	71.0	70.2	62.7
Above Normal (15%)	57.7	51.9	47.1	46.6	49.7	53.1	58.1	64.0	68.9	69.1	67.6	61.6
Below Normal (17%)	58.9	53.0	47.1	46.1	49.7	54.2	58.7	64.1	68.5	69.1	68.1	65.0
Dry (22%)	58.2	53.2	48.0	45.8	50.1	54.7	58.5	64.1	68.2	70.0	71.4	64.3
Critical (15%)	60.4	54.1	47.6	46.5	51.1	54.4	58.4	64.3	68.1	73.0	71.8	65.8

Table 6C-18-4b. Feather River at Gridley Bridge, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	60.3	54.9	49.7	48.3	51.8	56.2	60.5	66.3	71.0	74.0	73.1	66.8
20%	59.5	54.1	49.0	47.9	51.4	55.0	59.2	65.1	70.1	72.5	71.8	65.9
30%	59.1	53.7	48.6	47.6	50.6	54.4	58.4	64.6	69.3	71.2	71.4	65.2
40%	58.7	53.1	48.1	47.2	50.2	54.0	58.1	64.1	68.8	70.5	70.7	64.5
50%	58.4	52.7	47.8	46.8	49.6	53.5	57.7	63.6	68.1	70.1	69.8	63.8
60%	57.9	52.4	47.0	46.1	49.1	52.8	57.3	63.1	67.6	69.5	69.1	62.9
70%	57.4	52.2	46.6	45.7	48.7	52.1	56.4	61.7	66.8	69.2	68.6	62.6
80%	57.0	51.7	46.4	45.0	48.4	51.2	55.8	60.7	66.3	68.6	67.7	61.8
90%	56.7	51.4	45.6	44.3	48.1	50.4	54.8	59.5	65.3	67.9	67.0	60.9
Long Term												
Full Simulation Period[a]	58.5	53.0	47.6	46.5	49.8	53.3	57.5	63.3	68.0	70.5	70.0	63.9
Water Year Types[b,c]												
Wet (32%)	57.8	52.9	47.7	47.1	49.1	51.5	55.6	61.4	66.5	71.0	70.2	62.7
Above Normal (15%)	57.8	51.9	47.1	46.6	49.7	53.1	58.1	64.0	68.9	69.2	67.6	61.6
Below Normal (17%)	58.8	53.0	47.2	46.1	49.7	54.2	58.7	64.1	68.7	69.2	68.0	65.0
Dry (22%)	58.4	53.2	48.1	45.8	50.1	54.7	58.5	64.1	68.8	70.1	71.5	64.5
Critical (15%)	60.5	54.1	47.6	46.5	51.1	54.4	58.4	64.3	68.4	73.0	71.6	66.1

Table 6C-18-4c. Feather River at Gridley Bridge, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	-0.1	-0.2	0.5
20%	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.4	0.2	0.0	0.0
30%	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	-0.1	0.1	0.0
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.2
50%	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	0.2
60%	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0
70%	0.1	0.1	0.0	-0.1	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.2
80%	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1
90%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1
Long Term												
Full Simulation Period[a]	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.1
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Below Normal (17%)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	0.0
Dry (22%)	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.5	0.2	0.0	0.2
Critical (15%)	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	-0.1	0.3

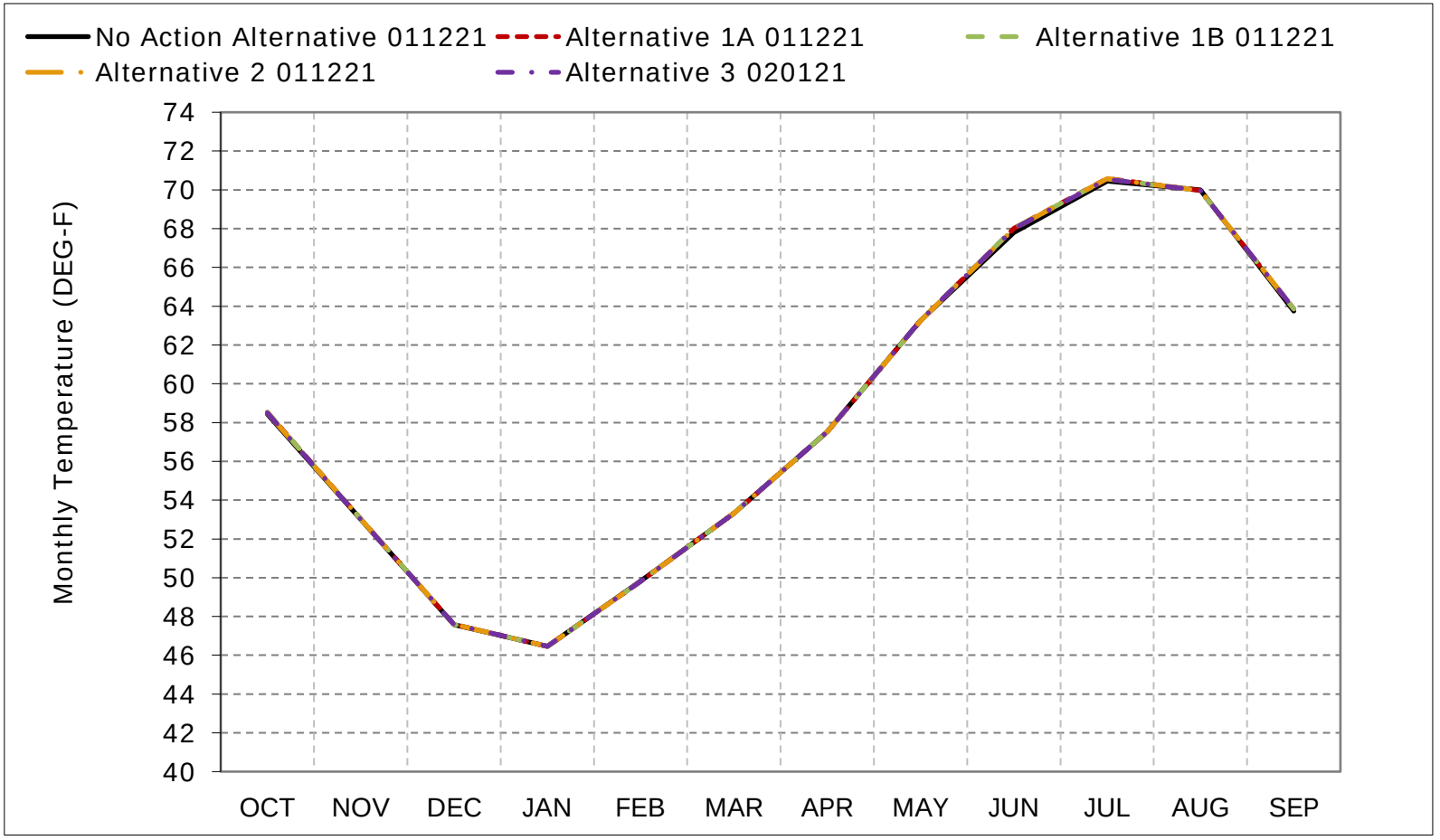
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

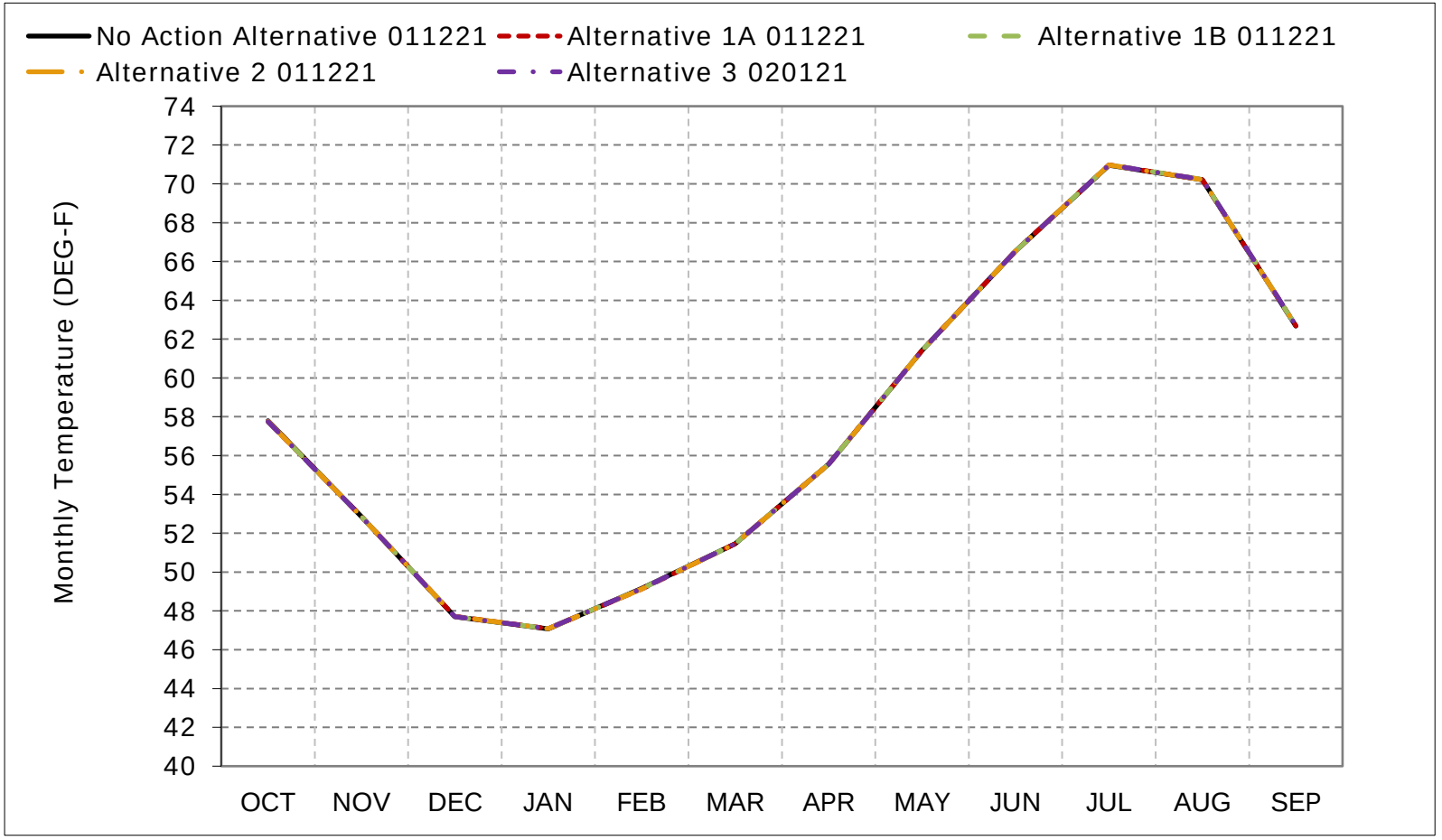
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-18-1. Feather River at Gridley Bridge, Long-Term Average Temperature



*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-18-2. Feather River at Gridley Bridge, Wet Year Average Temperature

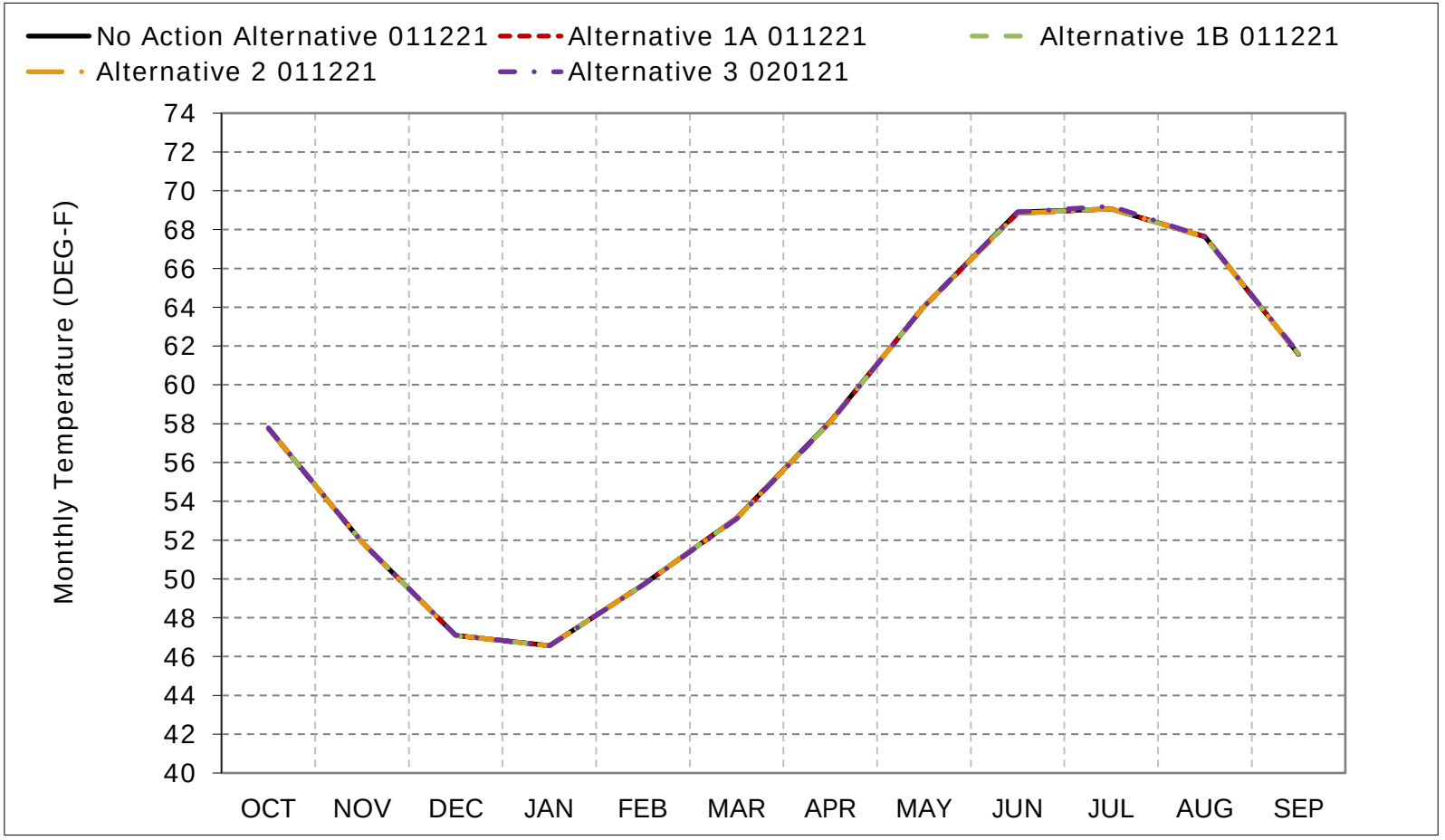


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

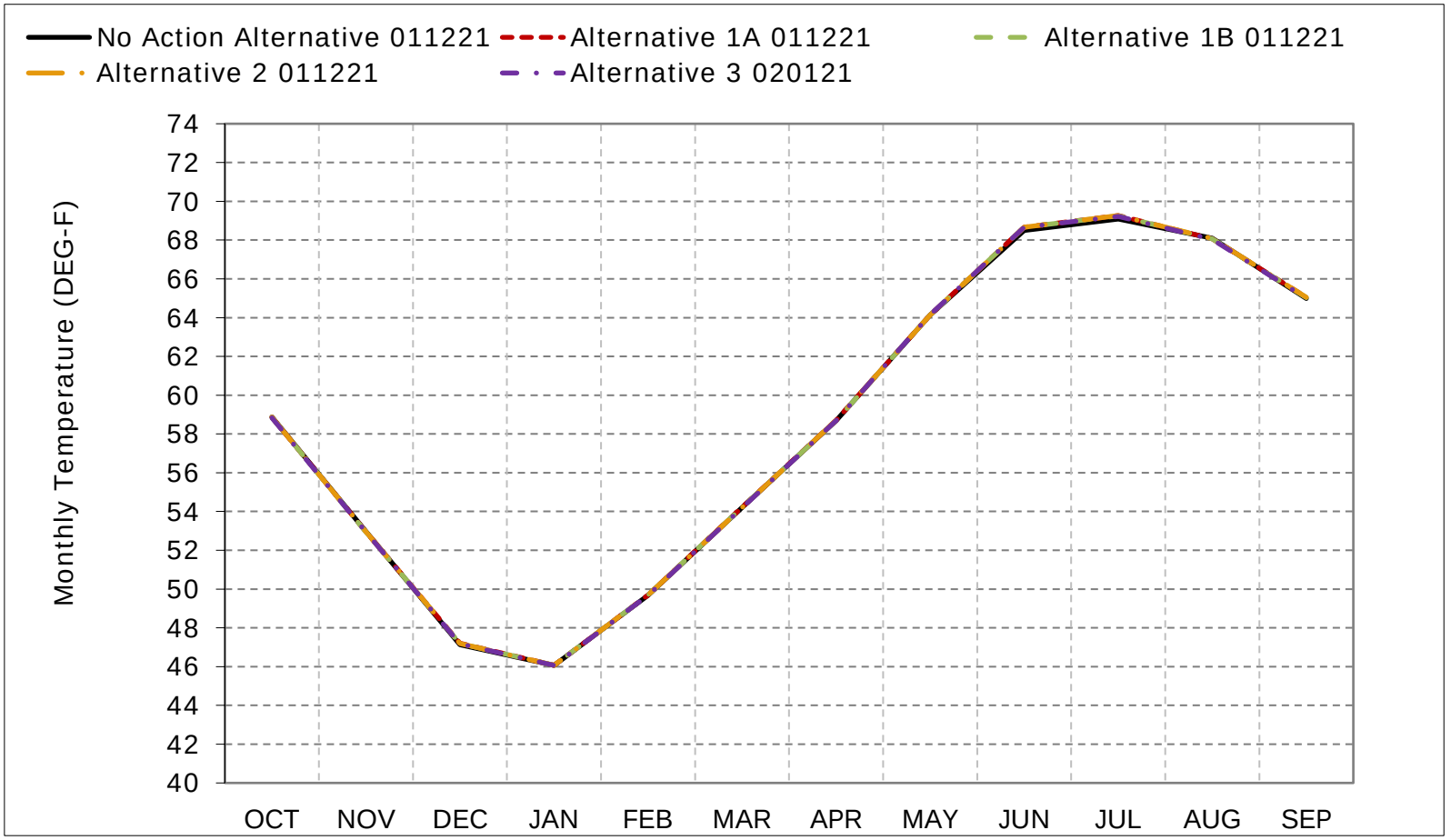
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-18-3. Feather River at Gridley Bridge, Above Normal Year Average Temperat



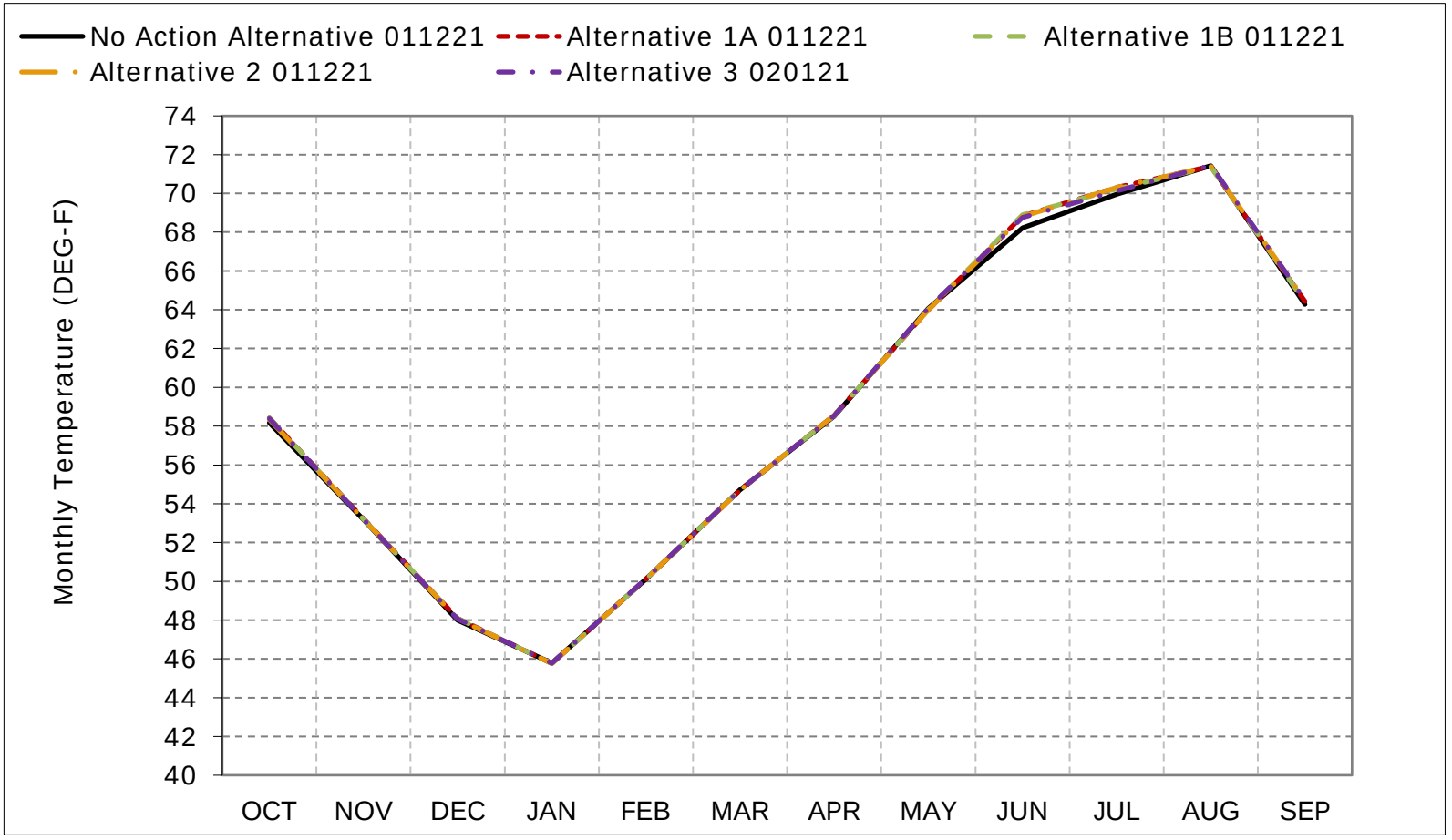
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-18-4. Feather River at Gridley Bridge, Below Normal Year Average Temperat



*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-18-5. Feather River at Gridley Bridge, Dry Year Average Temperature

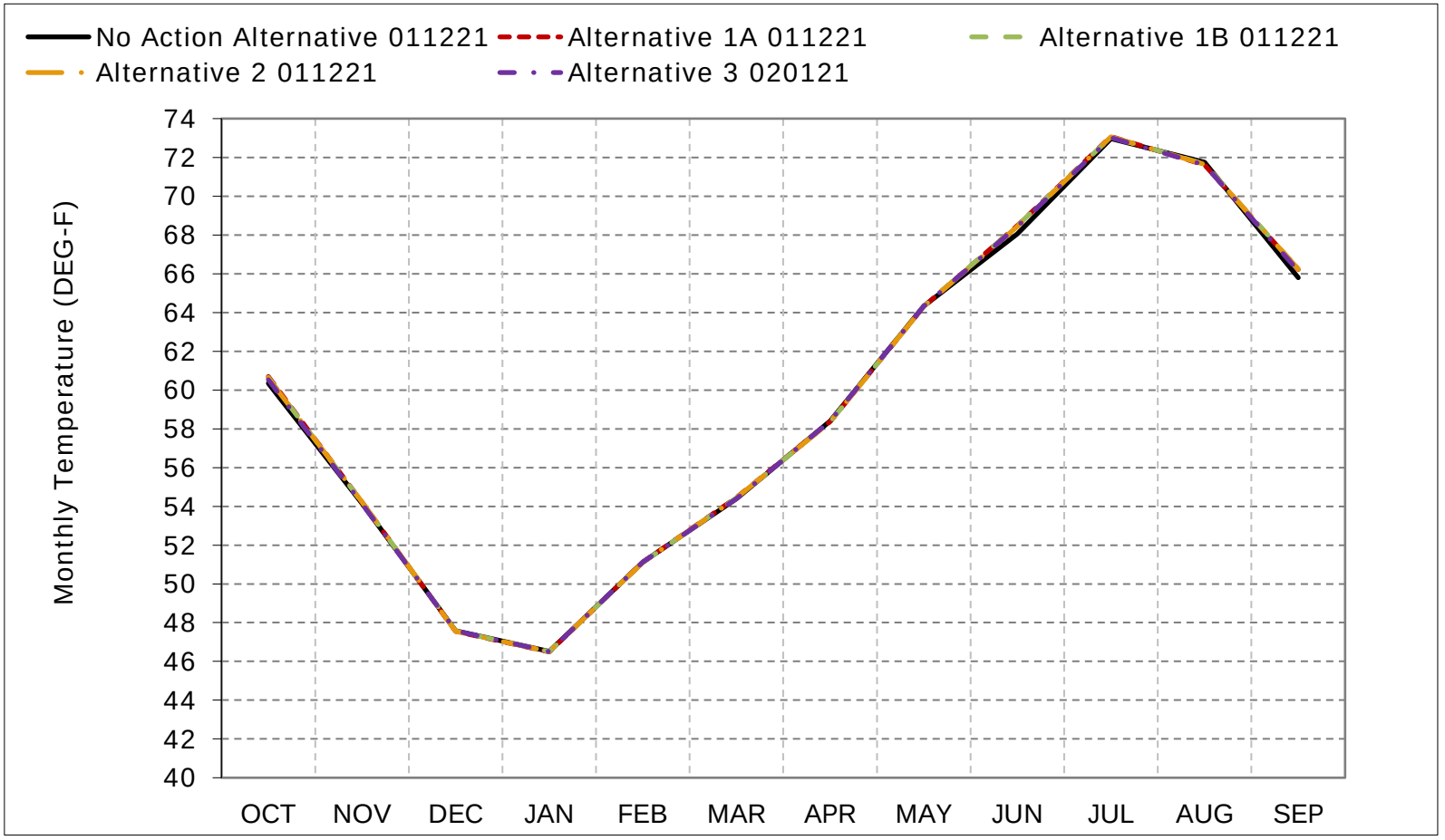


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

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

Figure 6C-18-6. Feather River at Gridley Bridge, Critical Year Average Temperature

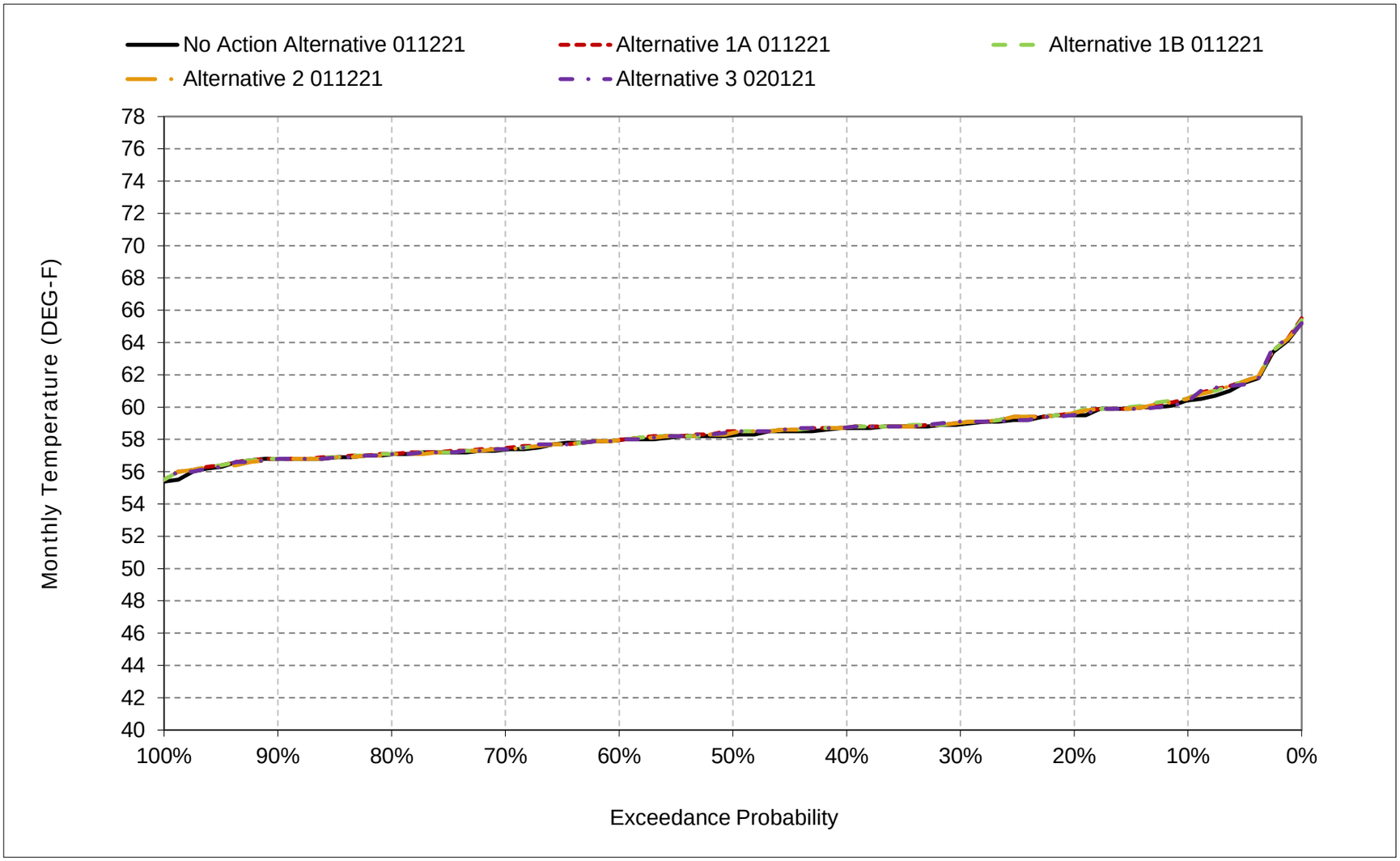


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

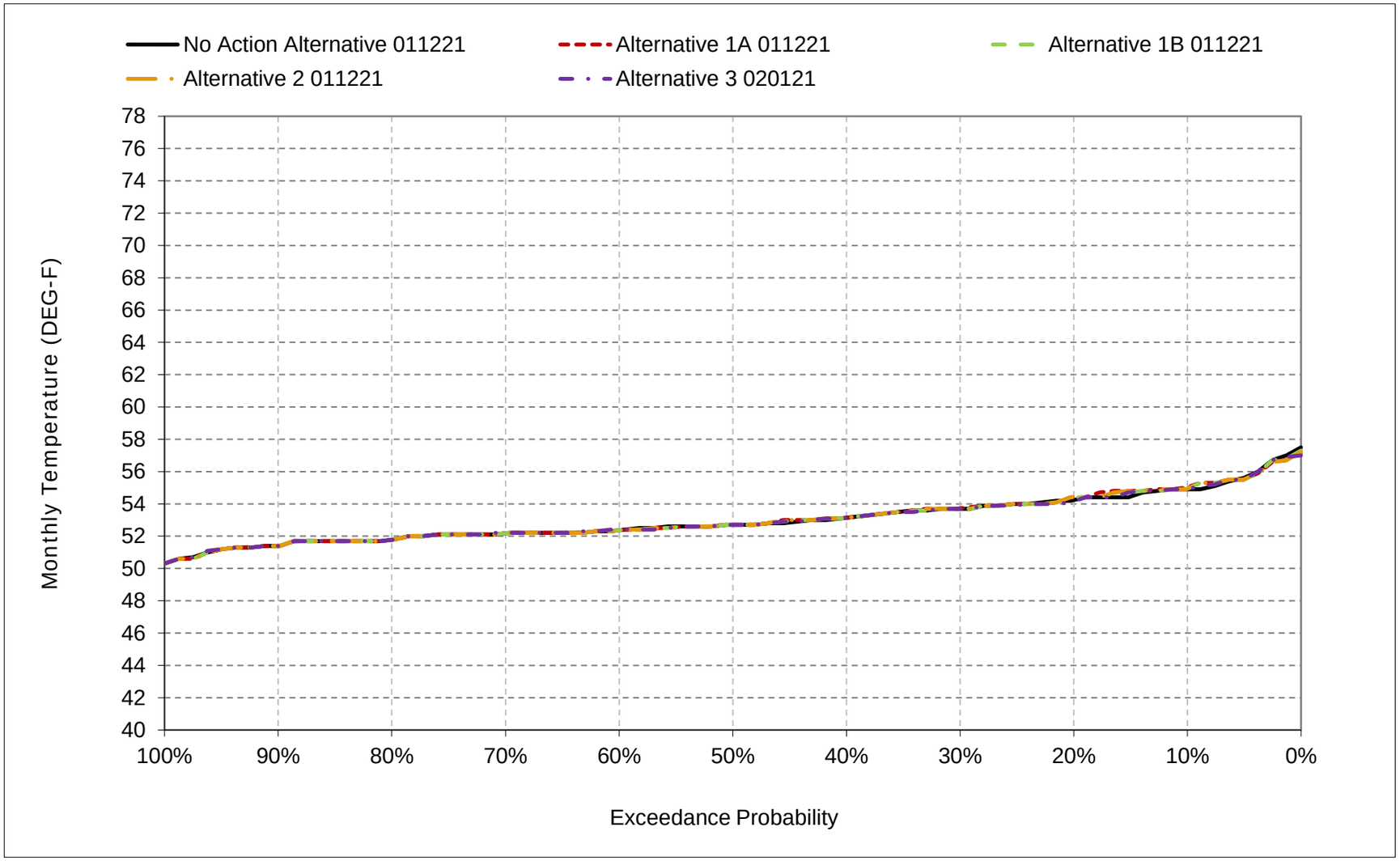
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-18-7. Feather River at Gridley Bridge, October



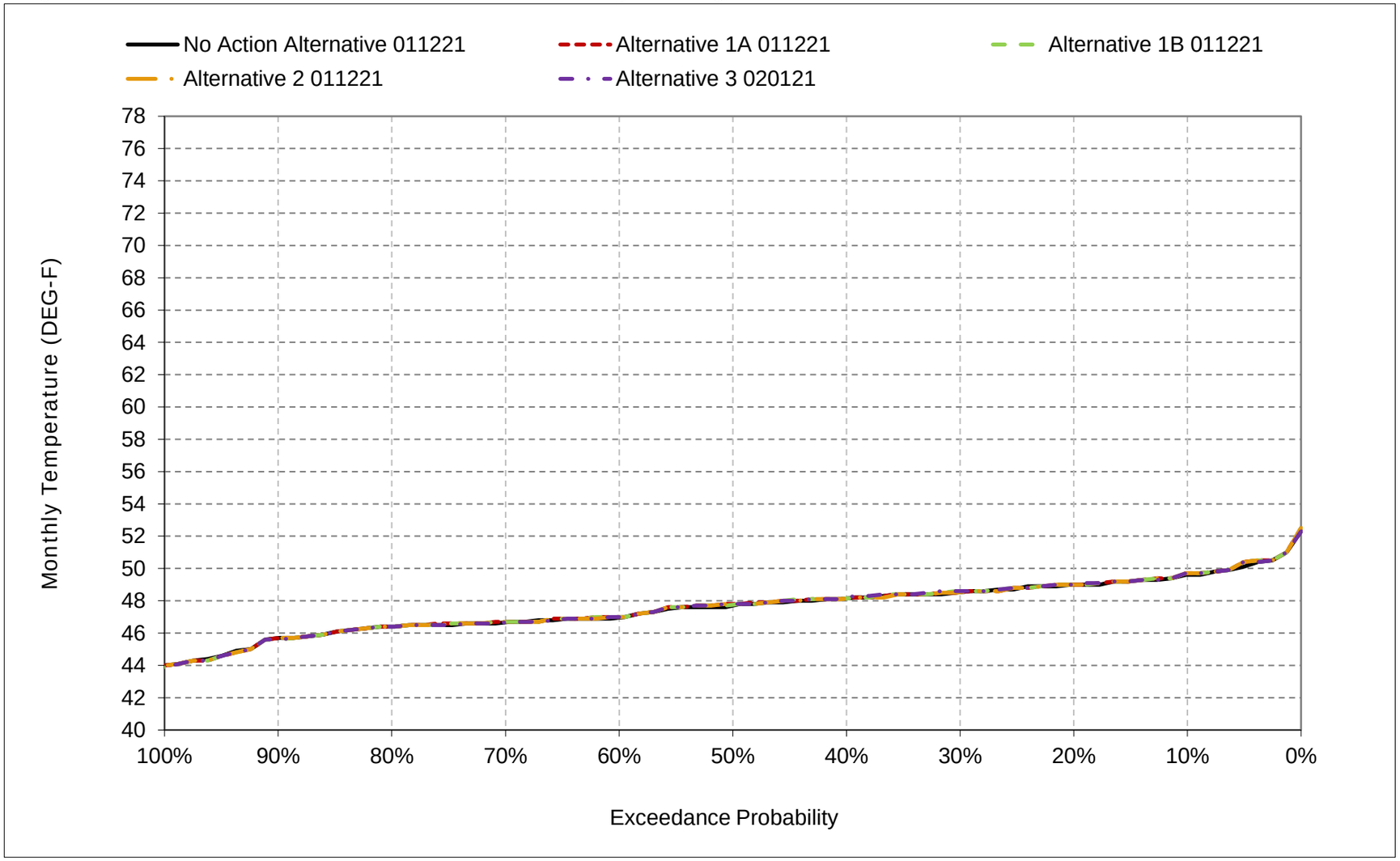
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-18-8. Feather River at Gridley Bridge, November



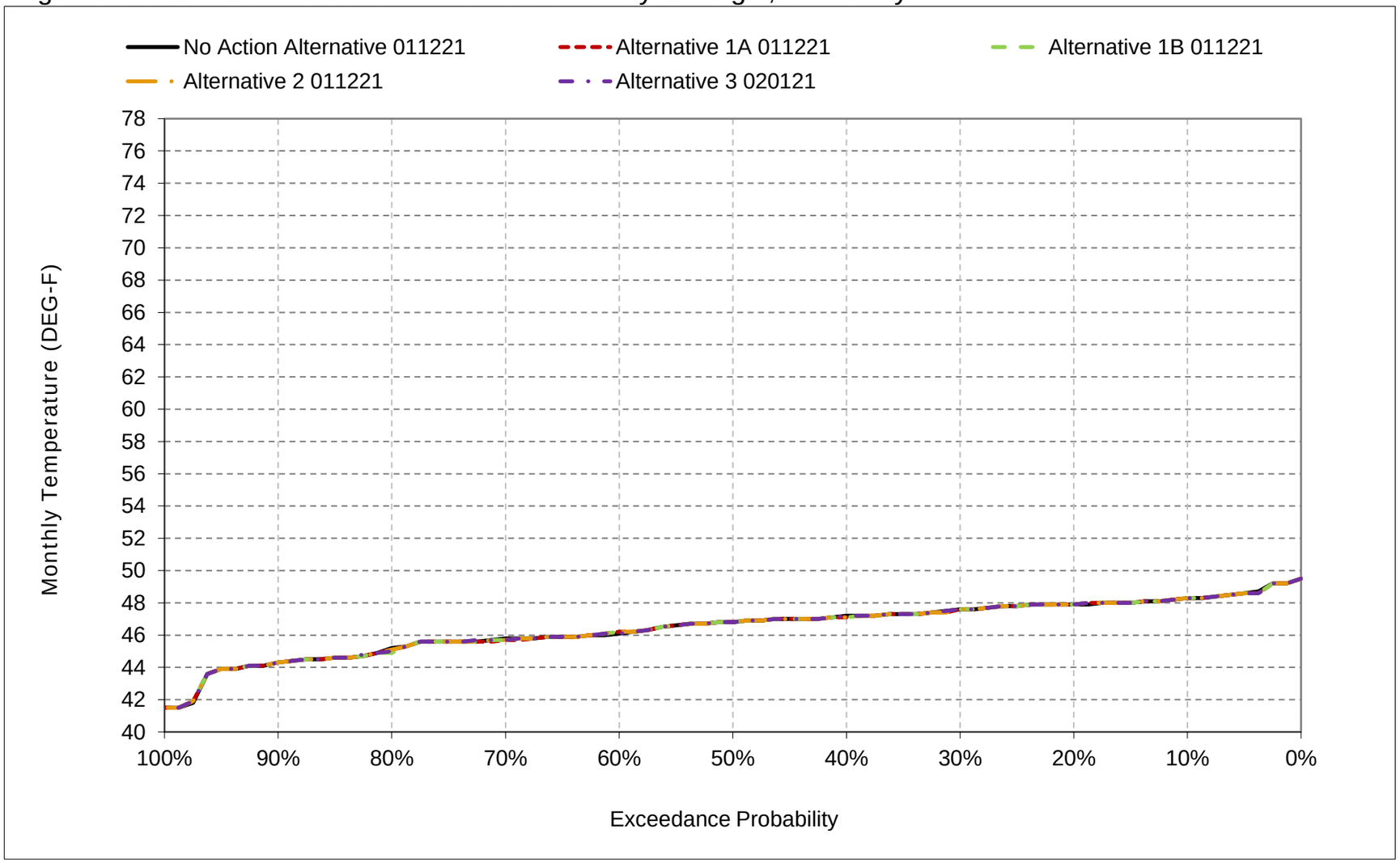
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-18-9. Feather River at Gridley Bridge, December



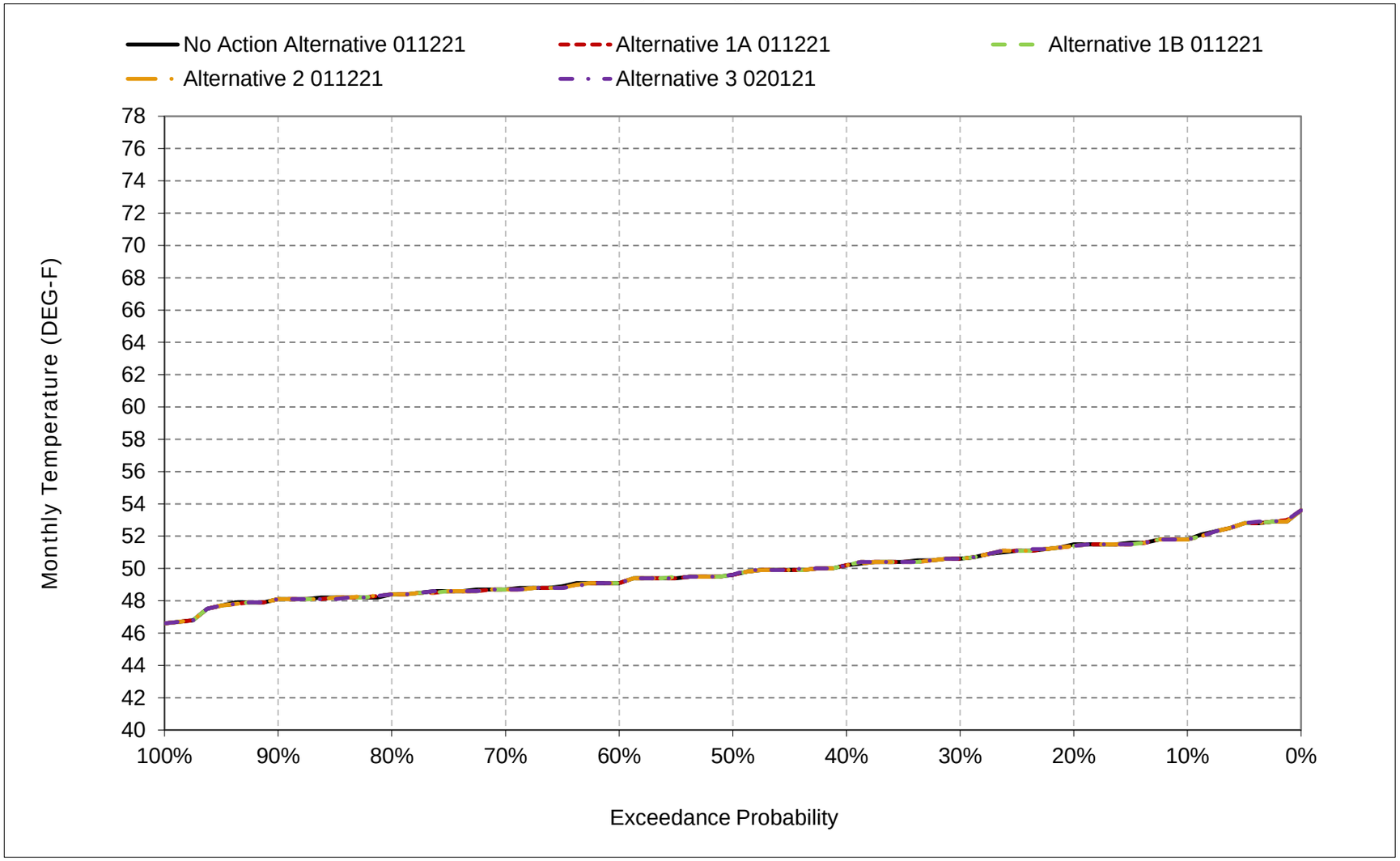
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-18-10. Feather River at Gridley Bridge, January



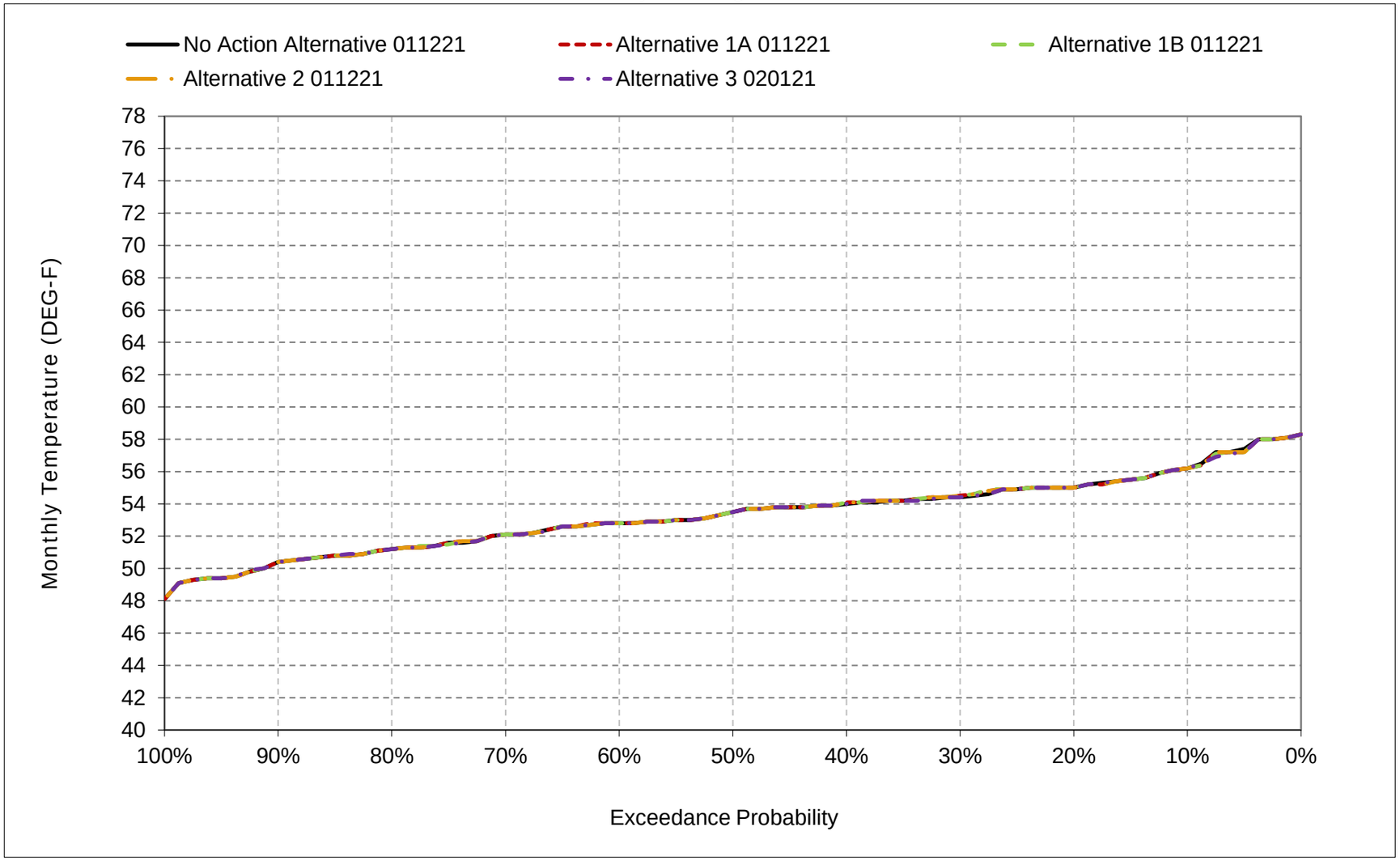
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-18-11. Feather River at Gridley Bridge, February



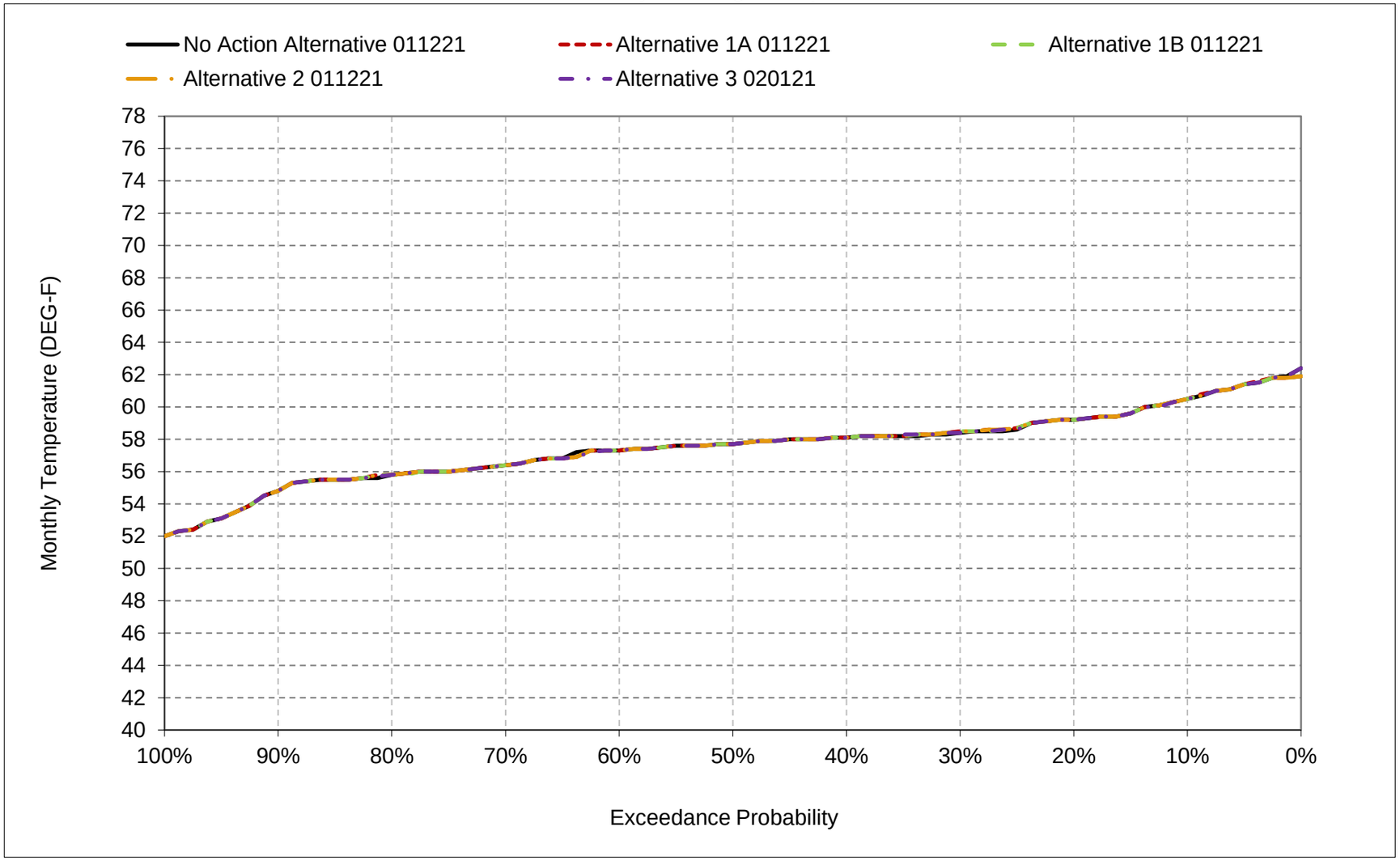
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-18-12. Feather River at Gridley Bridge, March



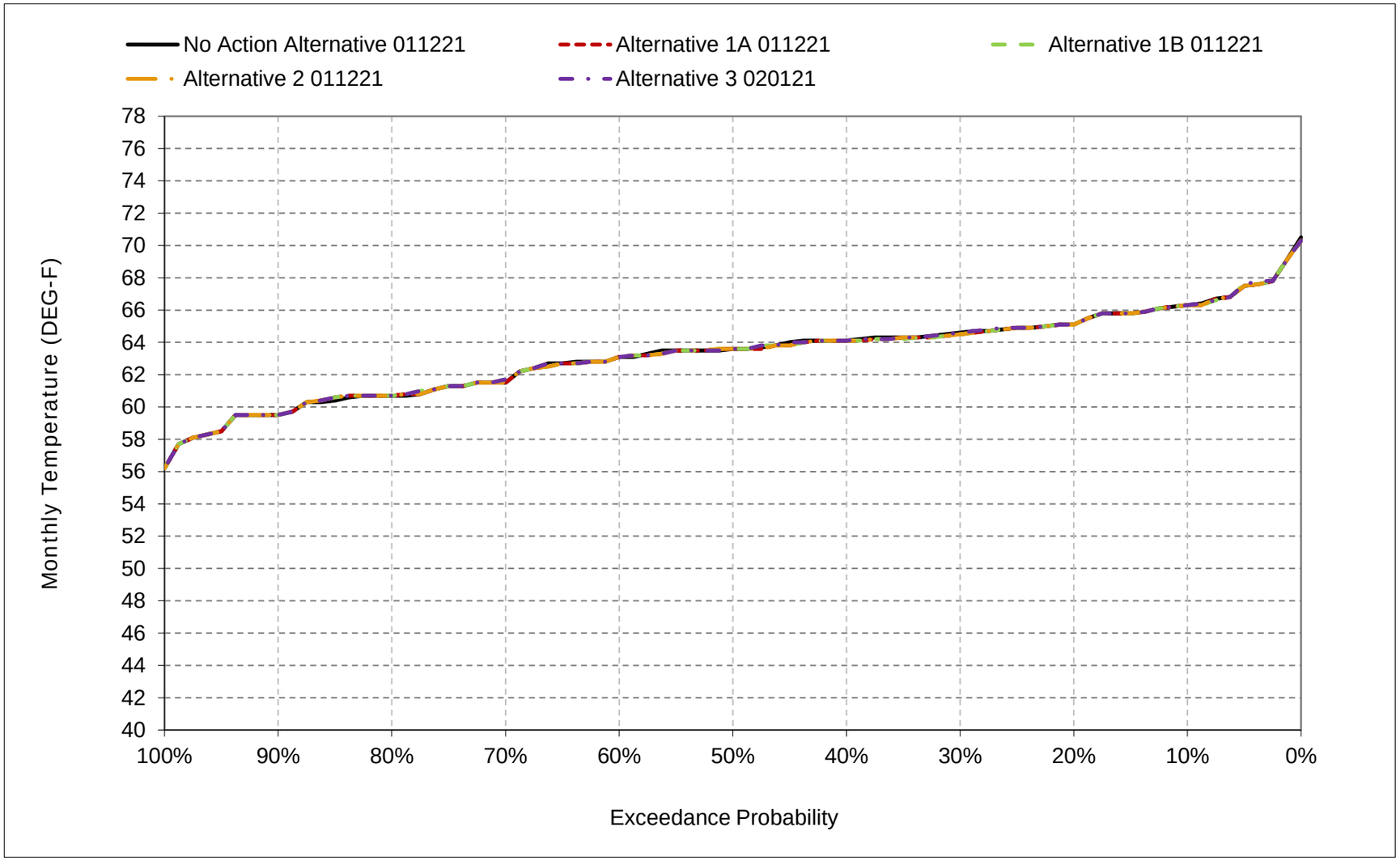
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-18-13. Feather River at Gridley Bridge, April



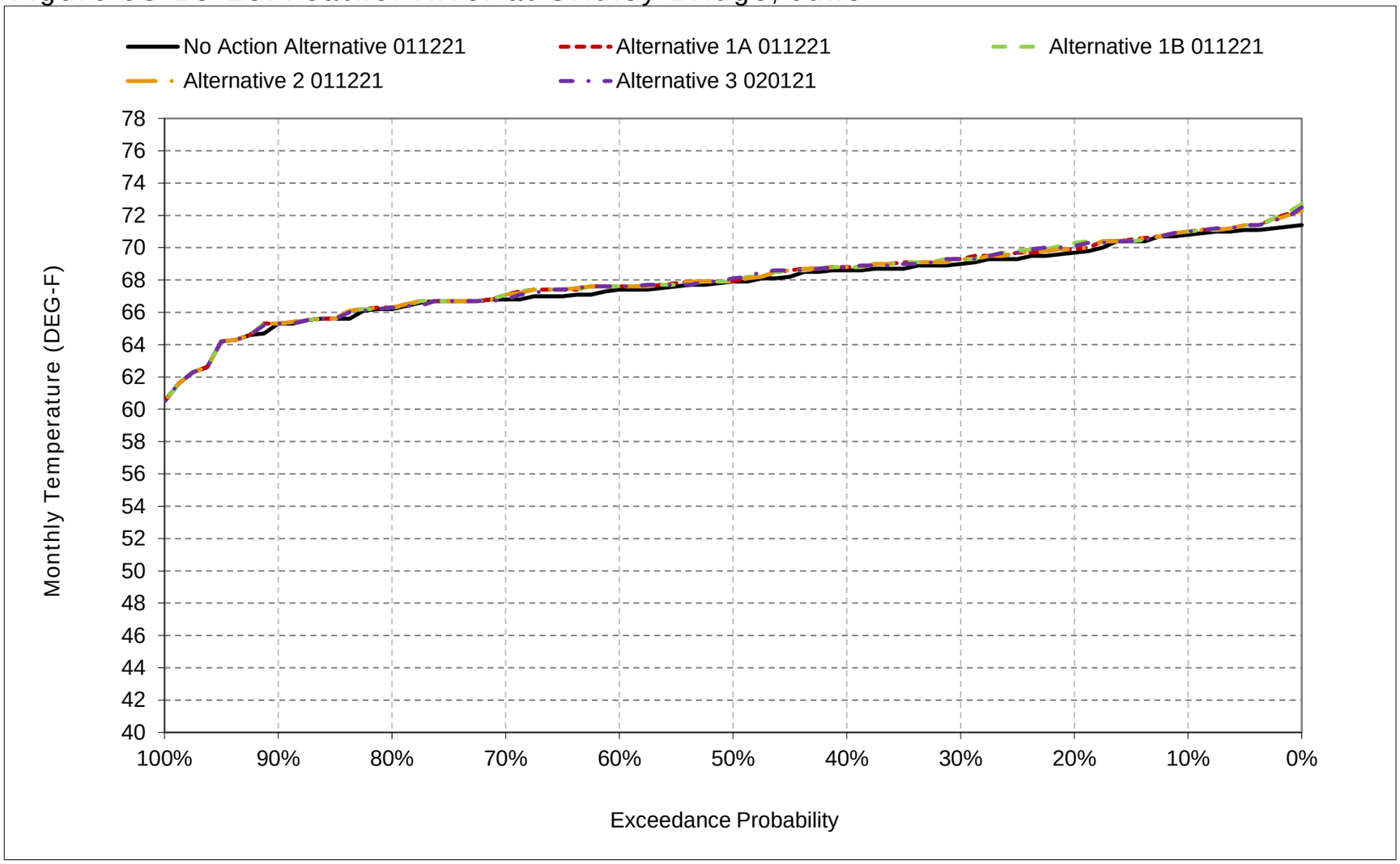
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-18-14. Feather River at Gridley Bridge, May



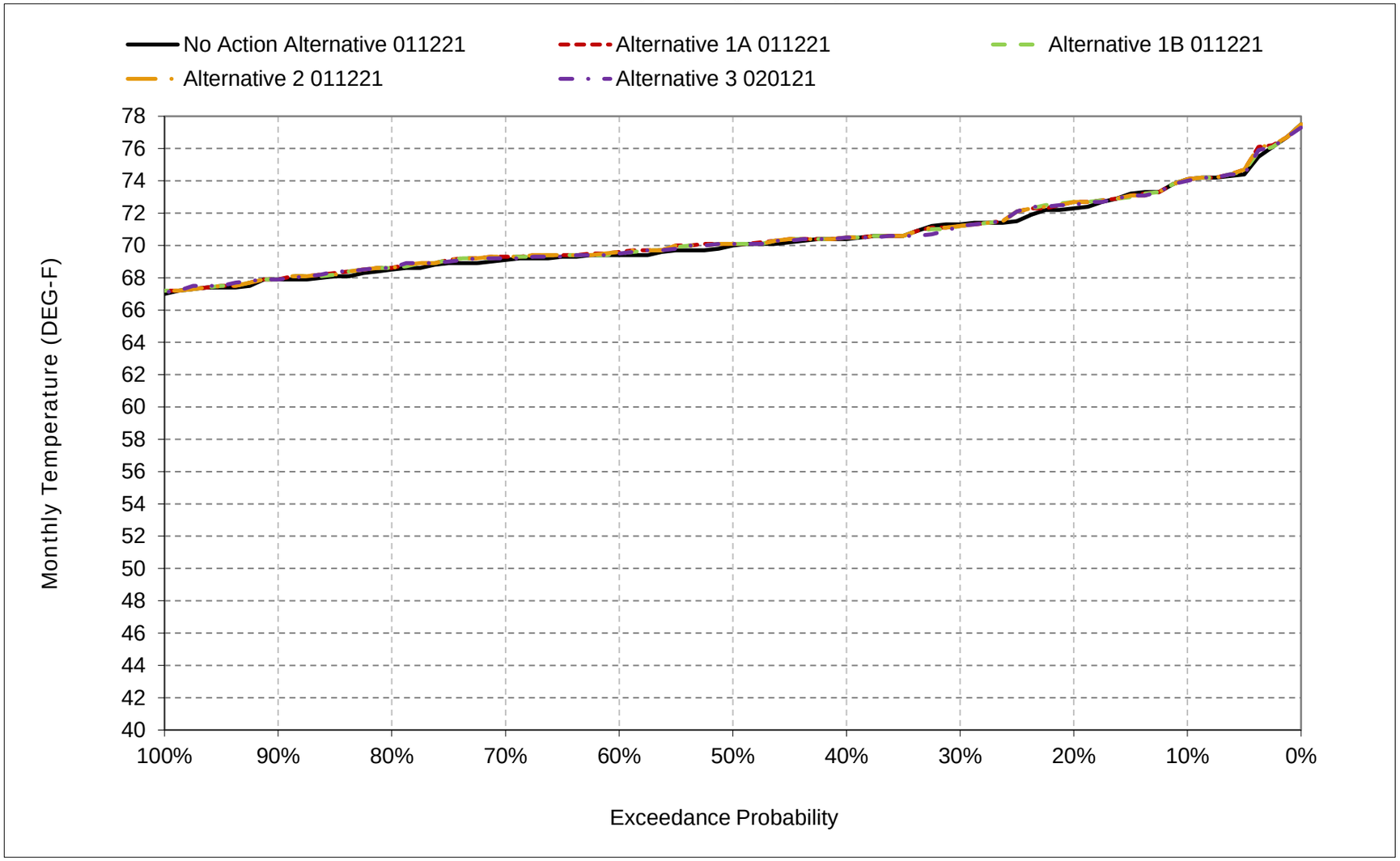
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-18-15. Feather River at Gridley Bridge, June



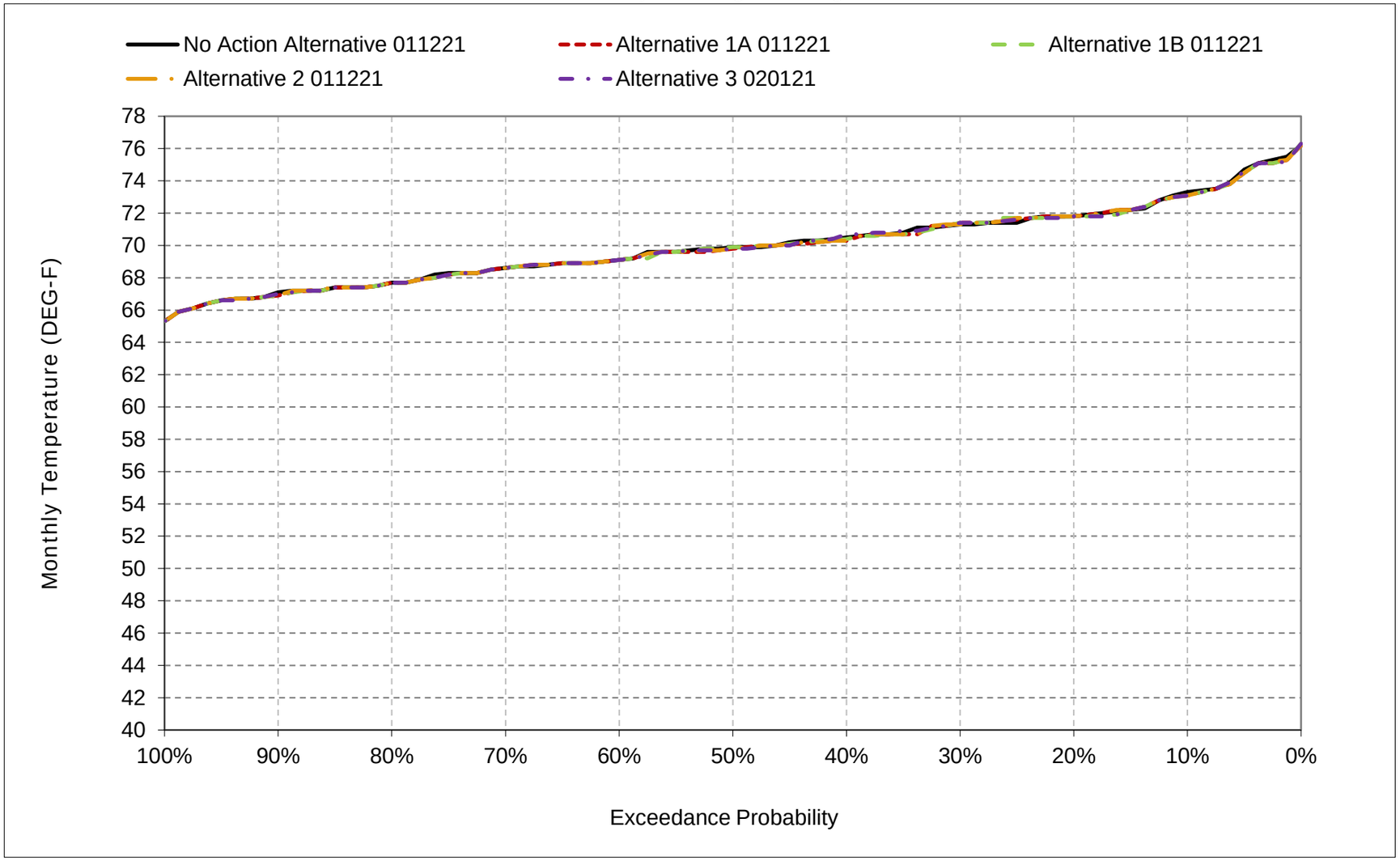
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-18-16. Feather River at Gridley Bridge, July



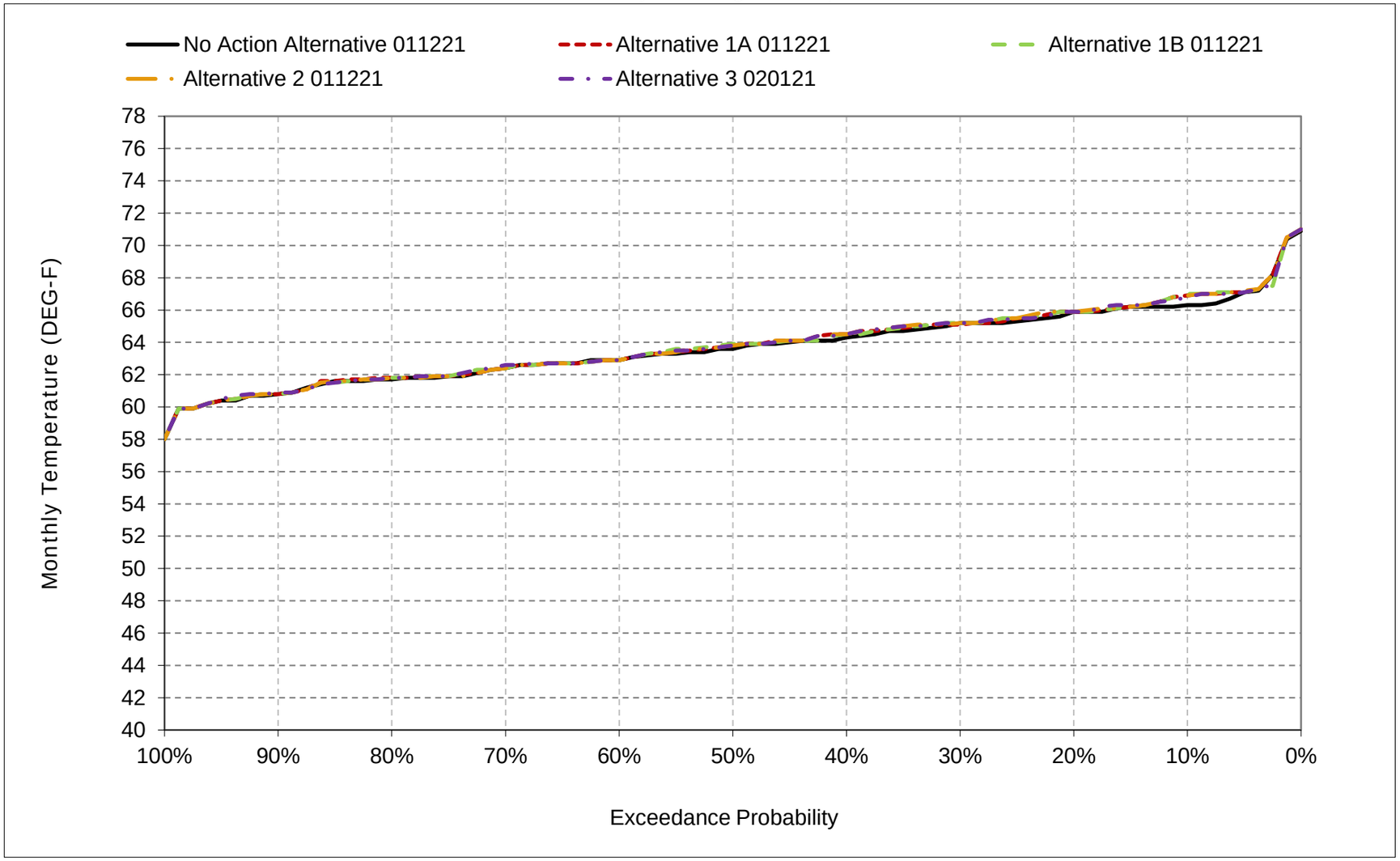
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-18-17. Feather River at Gridley Bridge, August



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

Figure 6C-18-18. Feather River at Gridley Bridge, September



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

Table 6C-19-1a. Feather River at Mouth, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	63.3	54.2	48.3	47.9	52.2	56.6	64.1	69.6	73.7	76.1	76.2	72.4
20%	62.3	53.8	47.8	47.1	51.3	56.1	62.4	68.1	73.0	75.3	75.6	71.7
30%	61.7	53.3	47.4	46.8	50.9	55.5	61.7	67.2	72.2	74.6	74.6	70.5
40%	61.4	52.9	46.7	46.5	50.4	54.9	61.1	66.7	71.6	74.2	73.6	70.1
50%	61.0	52.3	46.3	45.7	50.1	54.5	60.6	66.3	71.2	73.5	73.0	68.9
60%	60.5	52.0	46.1	45.4	49.8	54.1	59.7	65.6	70.6	73.1	72.7	68.5
70%	60.0	51.7	45.5	44.9	49.3	53.6	59.0	64.7	70.1	72.7	72.1	67.8
80%	59.6	51.4	45.2	44.0	48.9	53.0	58.0	63.7	69.3	72.2	71.2	66.9
90%	59.1	50.8	44.2	43.4	48.4	52.0	57.3	62.9	68.3	71.5	70.4	65.8
Long Term												
Full Simulation Period[a]	61.0	52.5	46.4	45.7	50.2	54.5	60.5	66.3	71.1	73.9	73.2	69.1
Water Year Types[b,c]												
Wet (32%)	60.2	52.7	46.7	46.5	50.0	53.3	58.5	64.5	69.6	73.9	72.9	67.9
Above Normal (15%)	60.0	51.4	46.1	46.0	50.1	54.4	60.3	66.1	71.4	72.6	70.9	66.4
Below Normal (17%)	61.2	52.5	46.0	45.3	49.7	54.8	60.7	66.2	71.4	72.9	71.6	70.1
Dry (22%)	61.6	52.7	46.3	44.8	50.2	55.3	61.7	67.6	72.3	73.6	74.8	70.8
Critical (15%)	62.7	52.7	46.1	45.3	51.2	55.8	63.1	68.2	71.8	76.4	75.2	70.6

Table 6C-19-1b. Feather River at Mouth, Alternative 1A 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	63.0	54.2	48.3	47.9	52.2	56.6	64.1	69.6	74.0	76.3	76.2	72.4
20%	62.1	53.8	47.8	47.1	51.3	56.1	62.4	68.1	73.2	75.4	75.2	71.7
30%	61.7	53.3	47.4	46.8	50.9	55.5	61.7	67.2	72.2	74.6	74.5	70.5
40%	61.3	52.9	46.7	46.5	50.4	54.9	61.1	66.7	71.8	74.2	73.6	70.1
50%	60.8	52.3	46.3	45.7	50.1	54.5	60.6	66.3	71.5	73.7	73.0	68.9
60%	60.4	52.0	46.1	45.4	49.8	54.1	59.7	65.6	70.8	73.3	72.5	68.5
70%	60.0	51.7	45.5	44.9	49.3	53.6	59.0	64.7	70.1	72.8	72.1	67.8
80%	59.3	51.4	45.2	44.0	48.9	53.0	58.0	63.7	69.3	72.3	71.1	66.9
90%	59.1	50.7	44.2	43.4	48.4	52.0	57.3	62.9	68.5	71.6	70.4	65.8
Long Term												
Full Simulation Period[a]	60.9	52.5	46.4	45.7	50.2	54.5	60.5	66.3	71.2	74.0	73.1	69.1
Water Year Types[b,c]												
Wet (32%)	60.2	52.7	46.7	46.5	50.0	53.3	58.5	64.5	69.6	73.9	72.9	67.9
Above Normal (15%)	60.0	51.4	46.1	46.0	50.1	54.4	60.3	66.1	71.4	72.6	70.9	66.4
Below Normal (17%)	61.0	52.5	46.0	45.3	49.7	54.8	60.7	66.2	71.5	73.0	71.6	70.1
Dry (22%)	61.3	52.8	46.4	44.8	50.2	55.3	61.7	67.6	72.8	73.9	74.7	70.8
Critical (15%)	62.7	52.7	46.1	45.3	51.2	55.8	63.0	68.2	72.1	76.5	75.0	70.6

Table 6C-19-1c. Feather River at Mouth, Alternative 1A 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0
20%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.4	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
40%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
50%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0
60%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	-0.2	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
80%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0
90%	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Dry (22%)	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	-0.1	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	-0.2	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-19-2a. Feather River at Mouth, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	63.3	54.2	48.3	47.9	52.2	56.6	64.1	69.6	73.7	76.1	76.2	72.4
20%	62.3	53.8	47.8	47.1	51.3	56.1	62.4	68.1	73.0	75.3	75.6	71.7
30%	61.7	53.3	47.4	46.8	50.9	55.5	61.7	67.2	72.2	74.6	74.6	70.5
40%	61.4	52.9	46.7	46.5	50.4	54.9	61.1	66.7	71.6	74.2	73.6	70.1
50%	61.0	52.3	46.3	45.7	50.1	54.5	60.6	66.3	71.2	73.5	73.0	68.9
60%	60.5	52.0	46.1	45.4	49.8	54.1	59.7	65.6	70.6	73.1	72.7	68.5
70%	60.0	51.7	45.5	44.9	49.3	53.6	59.0	64.7	70.1	72.7	72.1	67.8
80%	59.6	51.4	45.2	44.0	48.9	53.0	58.0	63.7	69.3	72.2	71.2	66.9
90%	59.1	50.8	44.2	43.4	48.4	52.0	57.3	62.9	68.3	71.5	70.4	65.8
Long Term												
Full Simulation Period[a]	61.0	52.5	46.4	45.7	50.2	54.5	60.5	66.3	71.1	73.9	73.2	69.1
Water Year Types[b,c]												
Wet (32%)	60.2	52.7	46.7	46.5	50.0	53.3	58.5	64.5	69.6	73.9	72.9	67.9
Above Normal (15%)	60.0	51.4	46.1	46.0	50.1	54.4	60.3	66.1	71.4	72.6	70.9	66.4
Below Normal (17%)	61.2	52.5	46.0	45.3	49.7	54.8	60.7	66.2	71.4	72.9	71.6	70.1
Dry (22%)	61.6	52.7	46.3	44.8	50.2	55.3	61.7	67.6	72.3	73.6	74.8	70.8
Critical (15%)	62.7	52.7	46.1	45.3	51.2	55.8	63.1	68.2	71.8	76.4	75.2	70.6

Table 6C-19-2b. Feather River at Mouth, Alternative 1B 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	63.0	54.2	48.3	47.9	52.2	56.6	64.1	69.6	74.0	76.3	76.2	72.4
20%	62.3	53.8	47.8	47.1	51.3	56.1	62.4	68.1	73.6	75.4	75.2	71.4
30%	61.7	53.3	47.4	46.8	50.9	55.5	61.7	67.4	72.2	74.6	74.3	70.4
40%	61.3	52.9	46.7	46.5	50.4	54.9	61.1	66.7	71.8	74.2	73.6	70.1
50%	60.8	52.3	46.3	45.7	50.1	54.5	60.6	66.3	71.5	73.7	72.9	68.9
60%	60.4	52.0	46.1	45.4	49.7	54.1	59.7	65.6	70.8	73.3	72.6	68.5
70%	60.0	51.7	45.5	44.9	49.3	53.6	59.0	64.7	70.1	72.8	72.1	67.8
80%	59.3	51.4	45.2	44.0	48.9	53.0	58.0	63.7	69.3	72.3	71.1	66.9
90%	58.9	50.7	44.2	43.4	48.4	52.0	57.3	62.9	68.5	71.6	70.4	65.9
Long Term												
Full Simulation Period[a]	60.9	52.5	46.4	45.7	50.2	54.5	60.5	66.3	71.2	74.0	73.1	69.1
Water Year Types[b,c]												
Wet (32%)	60.2	52.7	46.7	46.5	50.0	53.3	58.5	64.5	69.6	73.9	72.9	67.9
Above Normal (15%)	60.0	51.4	46.1	46.0	50.1	54.4	60.3	66.1	71.4	72.6	70.9	66.4
Below Normal (17%)	61.0	52.5	46.0	45.3	49.7	54.8	60.7	66.2	71.5	73.0	71.6	70.0
Dry (22%)	61.3	52.8	46.4	44.8	50.2	55.3	61.7	67.6	72.8	73.9	74.7	70.8
Critical (15%)	62.7	52.7	46.1	45.3	51.2	55.8	63.0	68.2	72.1	76.5	75.0	70.6

Table 6C-19-2c. Feather River at Mouth, Alternative 1B 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0
20%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	-0.4	-0.3
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	-0.3	-0.1
40%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
50%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	-0.1	0.0
60%	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.2	0.2	-0.1	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
80%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0
90%	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.1
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-0.1
Dry (22%)	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	-0.1	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	-0.2	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-19-3a. Feather River at Mouth, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	63.3	54.2	48.3	47.9	52.2	56.6	64.1	69.6	73.7	76.1	76.2	72.4
20%	62.3	53.8	47.8	47.1	51.3	56.1	62.4	68.1	73.0	75.3	75.6	71.7
30%	61.7	53.3	47.4	46.8	50.9	55.5	61.7	67.2	72.2	74.6	74.6	70.5
40%	61.4	52.9	46.7	46.5	50.4	54.9	61.1	66.7	71.6	74.2	73.6	70.1
50%	61.0	52.3	46.3	45.7	50.1	54.5	60.6	66.3	71.2	73.5	73.0	68.9
60%	60.5	52.0	46.1	45.4	49.8	54.1	59.7	65.6	70.6	73.1	72.7	68.5
70%	60.0	51.7	45.5	44.9	49.3	53.6	59.0	64.7	70.1	72.7	72.1	67.8
80%	59.6	51.4	45.2	44.0	48.9	53.0	58.0	63.7	69.3	72.2	71.2	66.9
90%	59.1	50.8	44.2	43.4	48.4	52.0	57.3	62.9	68.3	71.5	70.4	65.8
Long Term												
Full Simulation Period[a]	61.0	52.5	46.4	45.7	50.2	54.5	60.5	66.3	71.1	73.9	73.2	69.1
Water Year Types[b,c]												
Wet (32%)	60.2	52.7	46.7	46.5	50.0	53.3	58.5	64.5	69.6	73.9	72.9	67.9
Above Normal (15%)	60.0	51.4	46.1	46.0	50.1	54.4	60.3	66.1	71.4	72.6	70.9	66.4
Below Normal (17%)	61.2	52.5	46.0	45.3	49.7	54.8	60.7	66.2	71.4	72.9	71.6	70.1
Dry (22%)	61.6	52.7	46.3	44.8	50.2	55.3	61.7	67.6	72.3	73.6	74.8	70.8
Critical (15%)	62.7	52.7	46.1	45.3	51.2	55.8	63.1	68.2	71.8	76.4	75.2	70.6

Table 6C-19-3b. Feather River at Mouth, Alternative 2 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	63.0	54.2	48.3	47.9	52.2	56.6	64.1	69.6	74.0	76.3	76.2	72.4
20%	62.1	53.8	47.8	47.1	51.3	56.1	62.4	68.1	73.2	75.4	75.2	71.7
30%	61.7	53.3	47.4	46.8	50.9	55.5	61.7	67.2	72.2	74.6	74.5	70.5
40%	61.3	52.9	46.7	46.5	50.4	54.9	61.1	66.7	71.8	74.2	73.6	70.1
50%	60.8	52.3	46.3	45.7	50.1	54.5	60.6	66.3	71.5	73.7	73.0	68.9
60%	60.5	52.0	46.1	45.4	49.8	54.1	59.7	65.6	70.8	73.3	72.5	68.5
70%	60.0	51.7	45.5	44.9	49.3	53.6	59.0	64.7	70.1	72.8	72.1	67.8
80%	59.3	51.4	45.2	44.0	48.9	53.0	58.0	63.7	69.3	72.3	71.1	66.9
90%	59.1	50.7	44.2	43.4	48.4	52.0	57.3	62.9	68.5	71.6	70.4	65.8
Long Term												
Full Simulation Period[a]	60.9	52.5	46.4	45.7	50.2	54.5	60.5	66.3	71.2	74.0	73.1	69.1
Water Year Types[b,c]												
Wet (32%)	60.2	52.7	46.7	46.5	50.0	53.3	58.5	64.5	69.6	73.9	72.9	67.9
Above Normal (15%)	60.0	51.4	46.1	46.0	50.1	54.4	60.3	66.1	71.4	72.6	70.9	66.4
Below Normal (17%)	61.0	52.5	46.0	45.3	49.7	54.8	60.7	66.2	71.5	73.0	71.6	70.1
Dry (22%)	61.3	52.8	46.4	44.8	50.2	55.3	61.7	67.6	72.7	73.9	74.7	70.8
Critical (15%)	62.7	52.7	46.1	45.3	51.2	55.8	63.0	68.2	72.1	76.5	75.0	70.6

Table 6C-19-3c. Feather River at Mouth, Alternative 2 011221 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0
20%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.4	0.0
30%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
40%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
50%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.0
60%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	-0.2	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
80%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0
90%	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.0
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0
Dry (22%)	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	-0.1	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	-0.2	0.0

a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

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

Table 6C-19-4a. Feather River at Mouth, No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	63.3	54.2	48.3	47.9	52.2	56.6	64.1	69.6	73.7	76.1	76.2	72.4
20%	62.3	53.8	47.8	47.1	51.3	56.1	62.4	68.1	73.0	75.3	75.6	71.7
30%	61.7	53.3	47.4	46.8	50.9	55.5	61.7	67.2	72.2	74.6	74.6	70.5
40%	61.4	52.9	46.7	46.5	50.4	54.9	61.1	66.7	71.6	74.2	73.6	70.1
50%	61.0	52.3	46.3	45.7	50.1	54.5	60.6	66.3	71.2	73.5	73.0	68.9
60%	60.5	52.0	46.1	45.4	49.8	54.1	59.7	65.6	70.6	73.1	72.7	68.5
70%	60.0	51.7	45.5	44.9	49.3	53.6	59.0	64.7	70.1	72.7	72.1	67.8
80%	59.6	51.4	45.2	44.0	48.9	53.0	58.0	63.7	69.3	72.2	71.2	66.9
90%	59.1	50.8	44.2	43.4	48.4	52.0	57.3	62.9	68.3	71.5	70.4	65.8
Long Term												
Full Simulation Period[a]	61.0	52.5	46.4	45.7	50.2	54.5	60.5	66.3	71.1	73.9	73.2	69.1
Water Year Types[b,c]												
Wet (32%)	60.2	52.7	46.7	46.5	50.0	53.3	58.5	64.5	69.6	73.9	72.9	67.9
Above Normal (15%)	60.0	51.4	46.1	46.0	50.1	54.4	60.3	66.1	71.4	72.6	70.9	66.4
Below Normal (17%)	61.2	52.5	46.0	45.3	49.7	54.8	60.7	66.2	71.4	72.9	71.6	70.1
Dry (22%)	61.6	52.7	46.3	44.8	50.2	55.3	61.7	67.6	72.3	73.6	74.8	70.8
Critical (15%)	62.7	52.7	46.1	45.3	51.2	55.8	63.1	68.2	71.8	76.4	75.2	70.6

Table 6C-19-4b. Feather River at Mouth, Alternative 3 020121, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	63.2	54.2	48.3	47.9	52.2	56.6	64.1	69.6	74.2	76.3	76.0	72.4
20%	62.1	53.8	47.8	47.1	51.3	56.1	62.4	68.2	73.5	75.4	75.2	71.3
30%	61.6	53.3	47.4	46.8	50.9	55.4	61.7	67.5	72.2	74.6	74.3	70.4
40%	61.4	52.9	46.7	46.5	50.4	54.9	61.1	66.7	71.7	74.2	73.6	70.1
50%	61.0	52.3	46.3	45.7	50.0	54.5	60.6	66.3	71.5	73.7	73.0	68.9
60%	60.4	52.0	46.1	45.4	49.7	54.1	59.7	65.6	70.7	73.3	72.5	68.5
70%	60.0	51.7	45.5	44.9	49.3	53.6	59.0	64.7	70.1	72.8	72.0	67.8
80%	59.3	51.4	45.2	44.0	48.9	53.0	58.0	63.7	69.3	72.2	71.1	66.9
90%	58.9	50.8	44.2	43.4	48.4	52.0	57.3	62.9	68.4	71.9	70.4	66.3
Long Term												
Full Simulation Period[a]	61.0	52.5	46.4	45.7	50.2	54.5	60.5	66.3	71.2	73.9	73.1	69.1
Water Year Types[b,c]												
Wet (32%)	60.2	52.7	46.7	46.5	50.0	53.3	58.5	64.5	69.6	73.9	72.9	67.9
Above Normal (15%)	60.0	51.4	46.1	46.0	50.1	54.4	60.3	66.1	71.4	72.7	70.9	66.5
Below Normal (17%)	61.1	52.5	46.0	45.3	49.7	54.8	60.7	66.2	71.5	73.0	71.6	70.1
Dry (22%)	61.4	52.8	46.4	44.8	50.2	55.3	61.7	67.7	72.7	73.8	74.7	70.8
Critical (15%)	62.7	52.7	46.1	45.3	51.2	55.8	63.1	68.2	72.0	76.5	75.0	70.6

Table 6C-19-4c. Feather River at Mouth, Alternative 3 020121 minus No Action Alternative 011221, Monthly Temperature (DEG-F)

Statistic	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Probability of Exceedance												
10%	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	-0.2	0.0
20%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.1	-0.4	-0.4
30%	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.3	0.0	0.0	-0.3	-0.1
40%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
50%	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.3	0.2	0.0	0.0
60%	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.2	-0.2	0.0
70%	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0
80%	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
90%	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.5
Long Term												
Full Simulation Period[a]	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.0
Water Year Types[b,c]												
Wet (32%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Above Normal (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Below Normal (17%)	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0
Dry (22%)	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.1	-0.1	0.0
Critical (15%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	-0.2	0.0

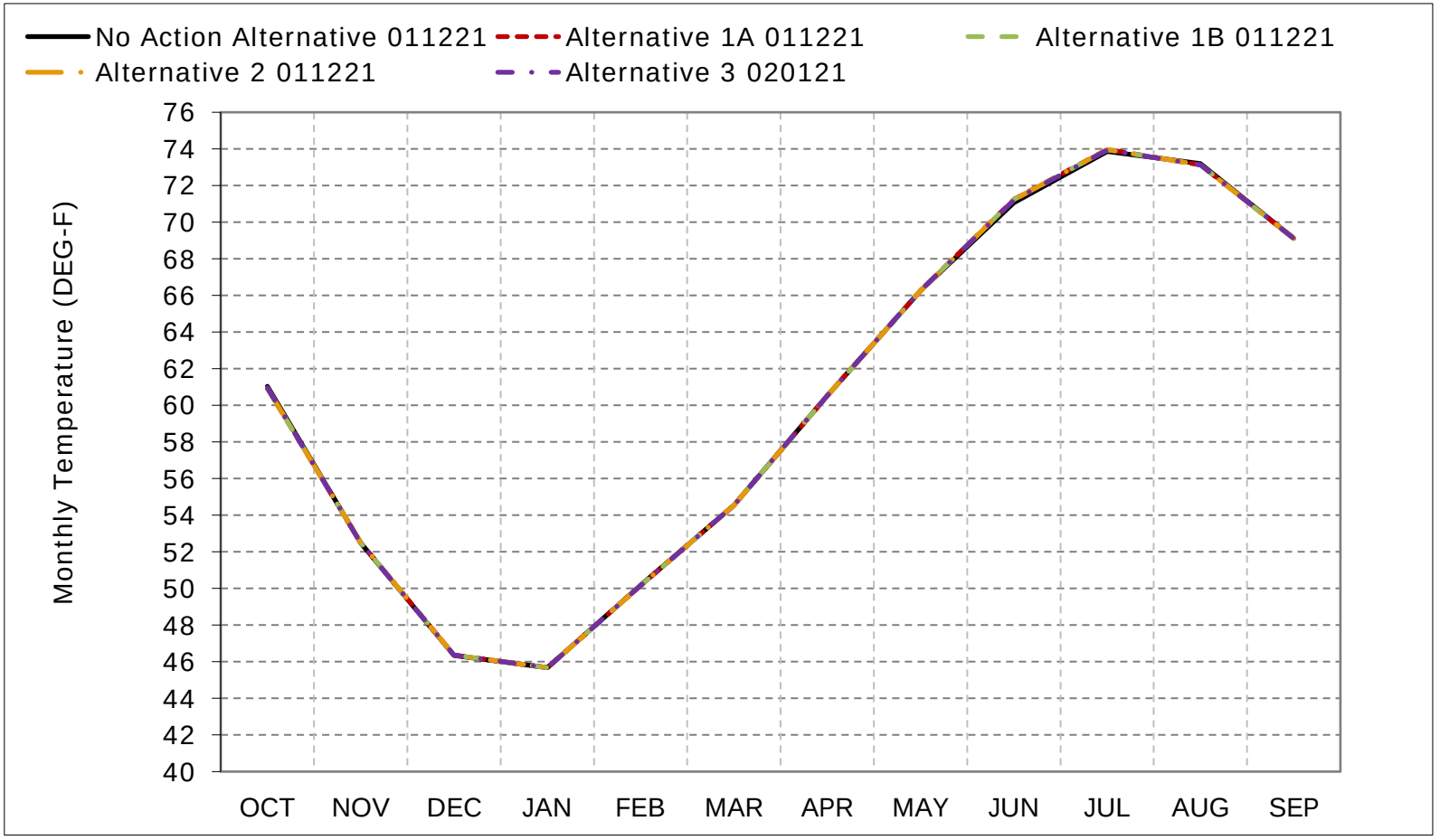
a Based on the 82-year simulation period.

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

c These results are displayed with calendar year - year type sorting.

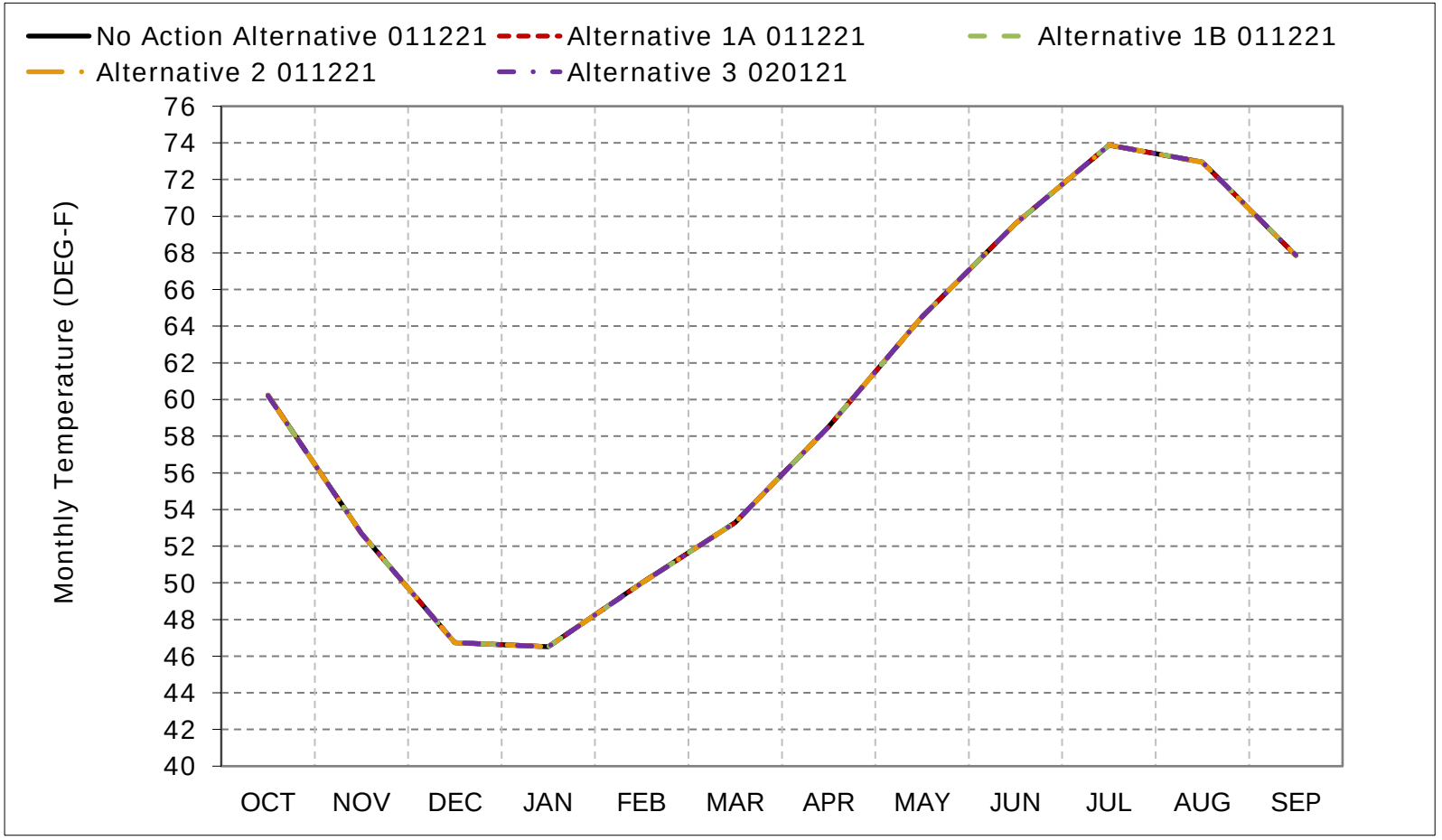
d All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-19-1. Feather River at Mouth, Long-Term Average Temperature



*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-19-2. Feather River at Mouth, Wet Year Average Temperature

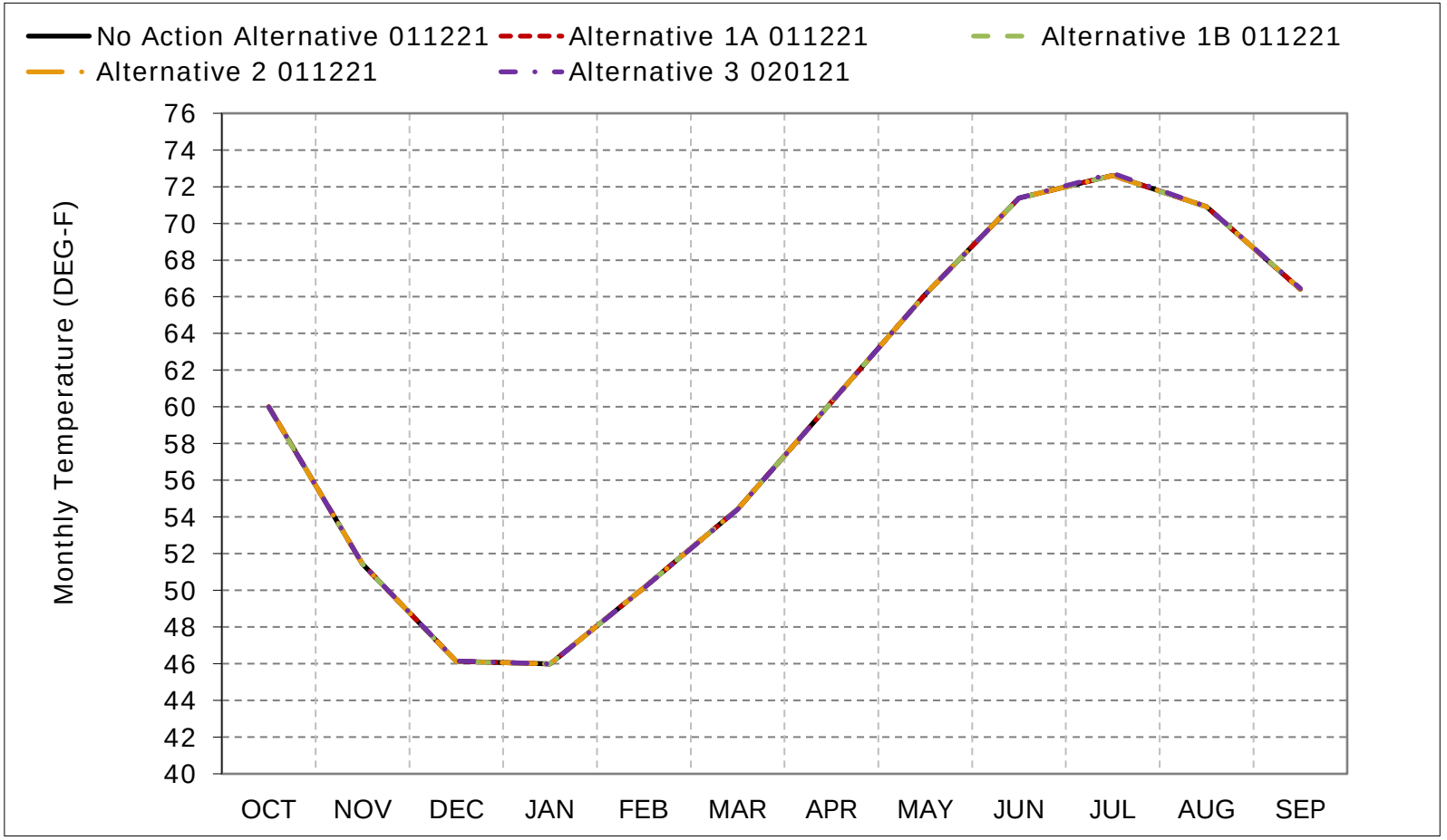


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

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

Figure 6C-19-3. Feather River at Mouth, Above Normal Year Average Temperature

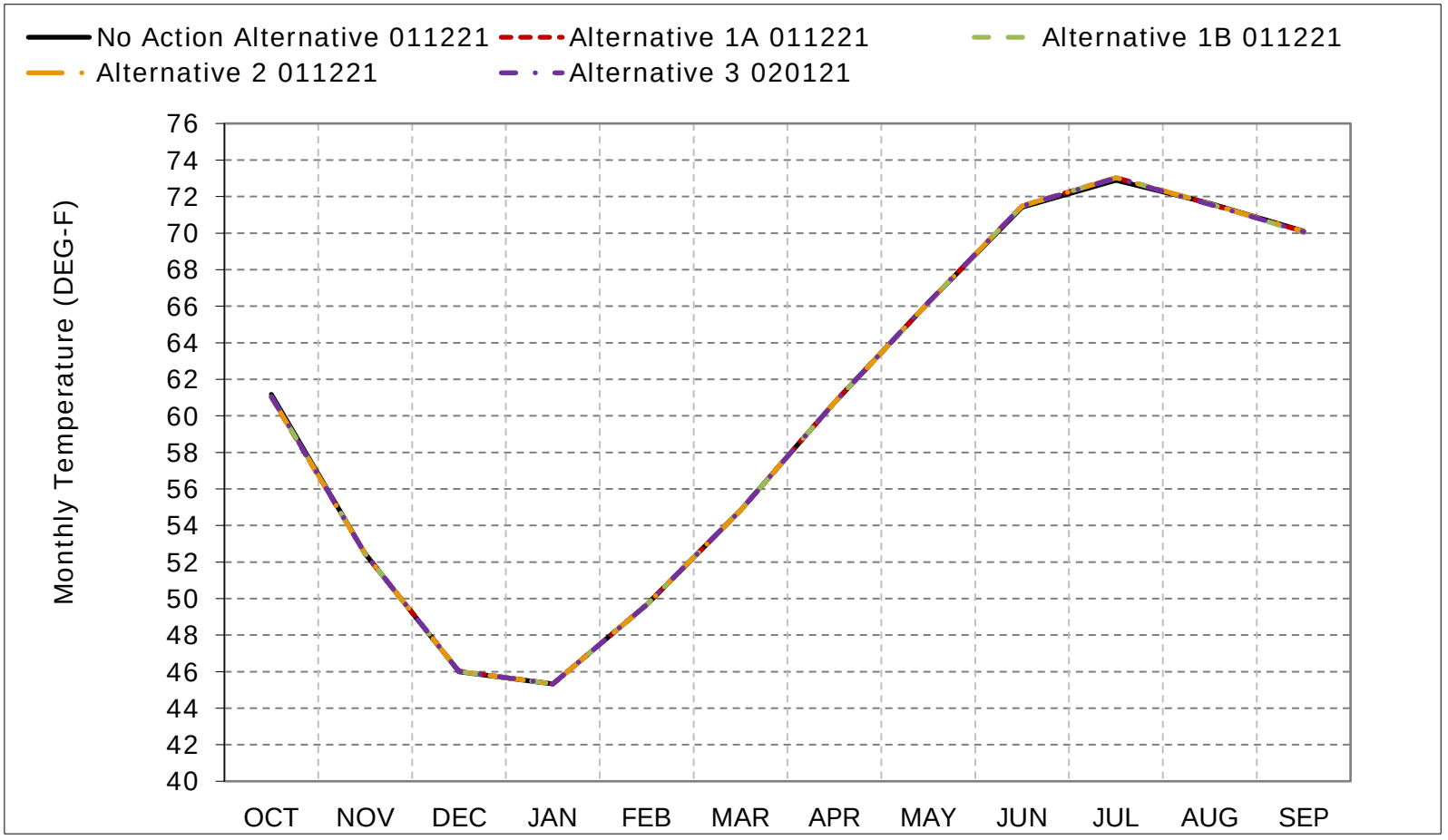


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

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

Figure 6C-19-4. Feather River at Mouth, Below Normal Year Average Temperature

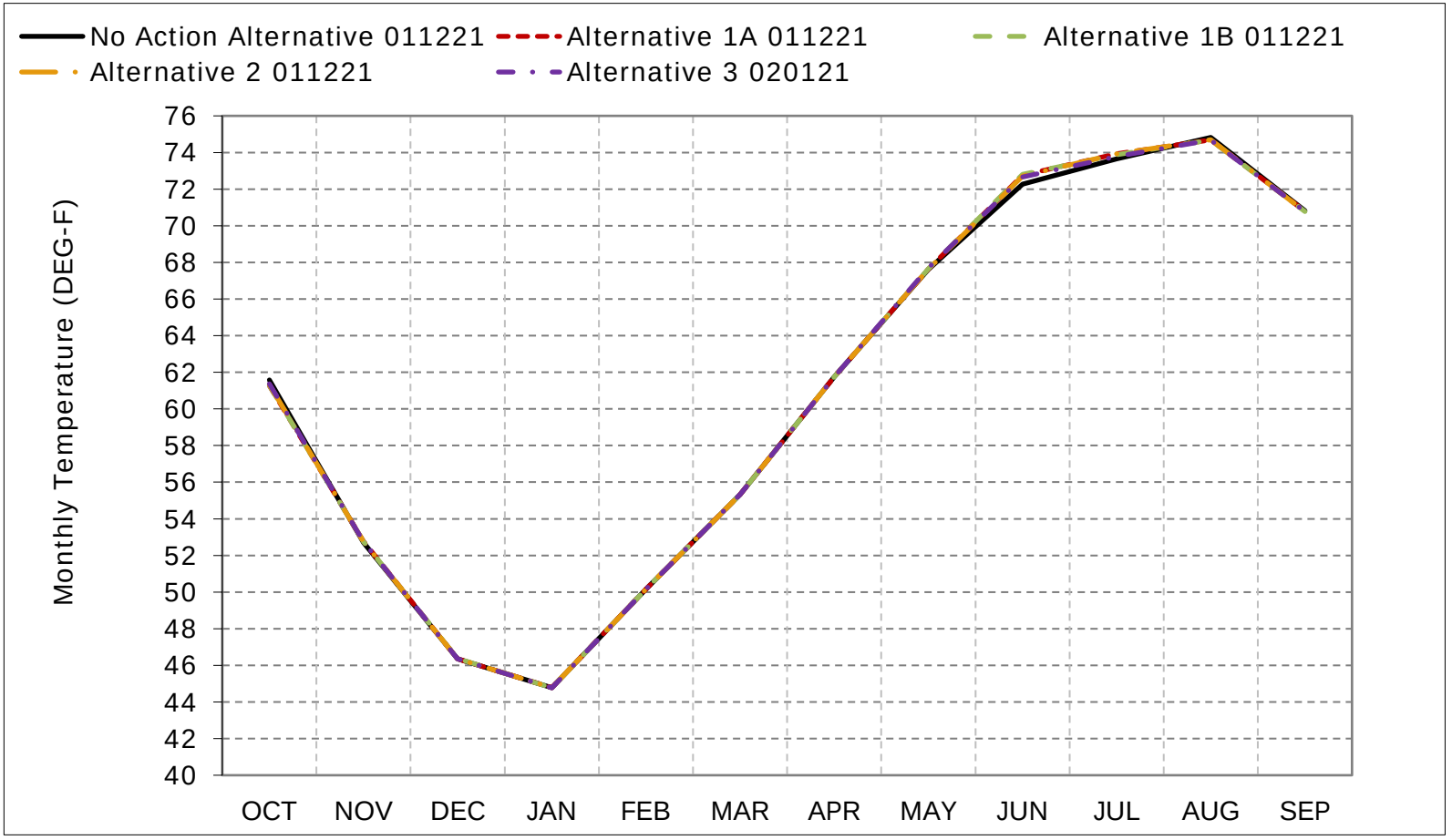


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

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

Figure 6C-19-5. Feather River at Mouth, Dry Year Average Temperature

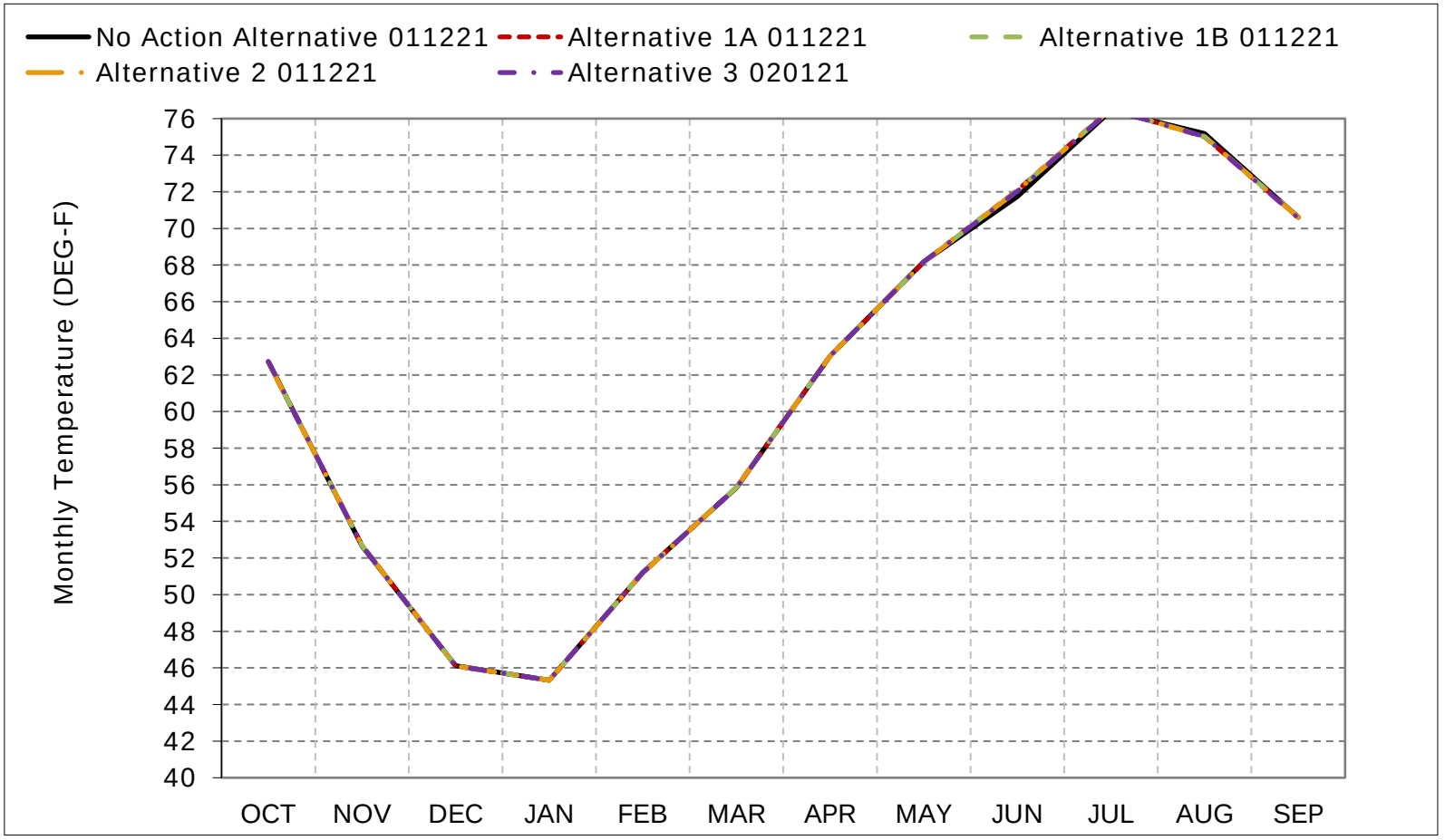


*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).

*These results are displayed with calendar year - year type sorting.

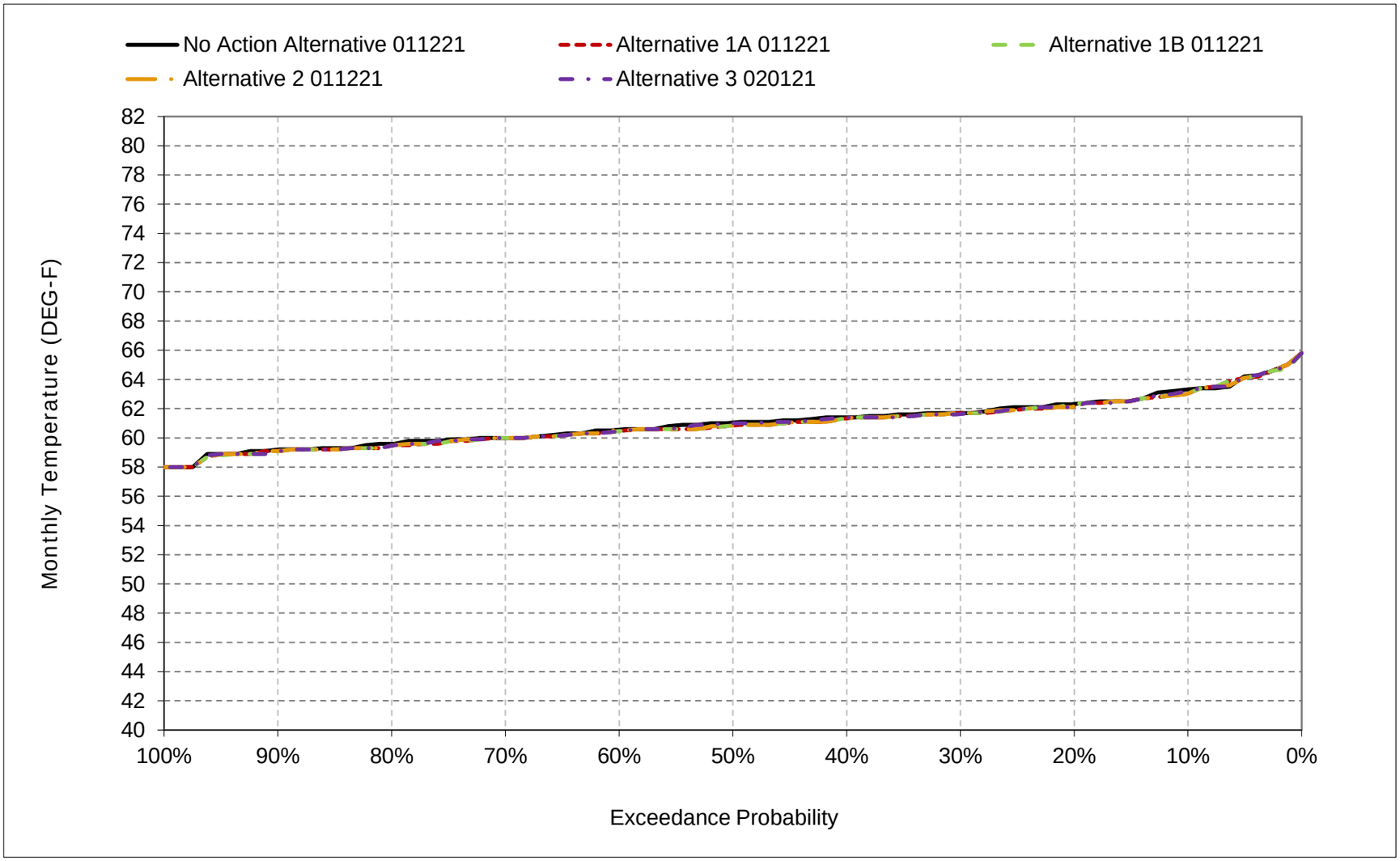
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-19-6. Feather River at Mouth, Critical Year Average Temperature



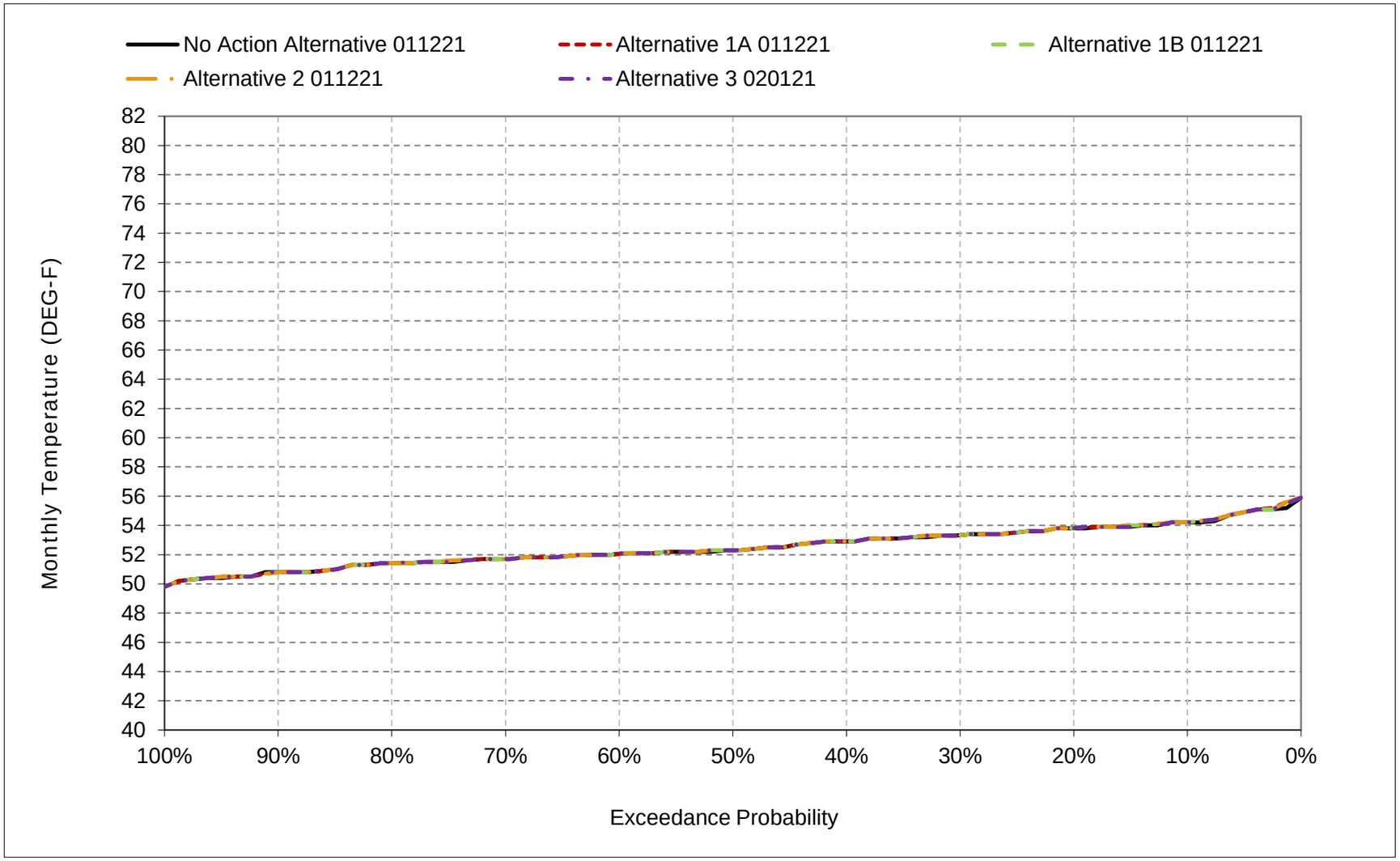
*As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999).
*These results are displayed with calendar year - year type sorting.
*All scenarios are simulated at current climate and 0 cm sea level rise.

Figure 6C-19-7. Feather River at Mouth, October



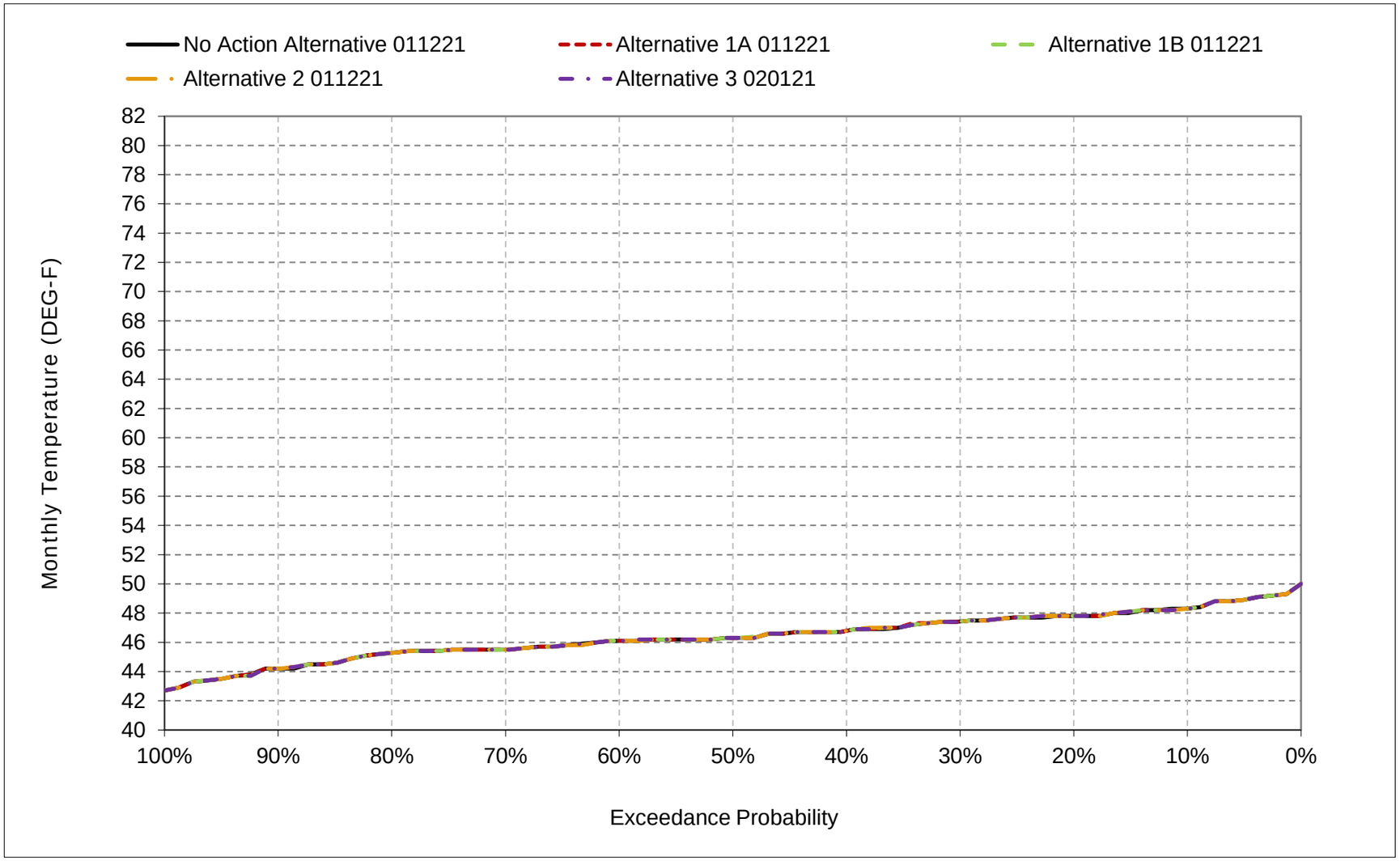
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-19-8. Feather River at Mouth, November



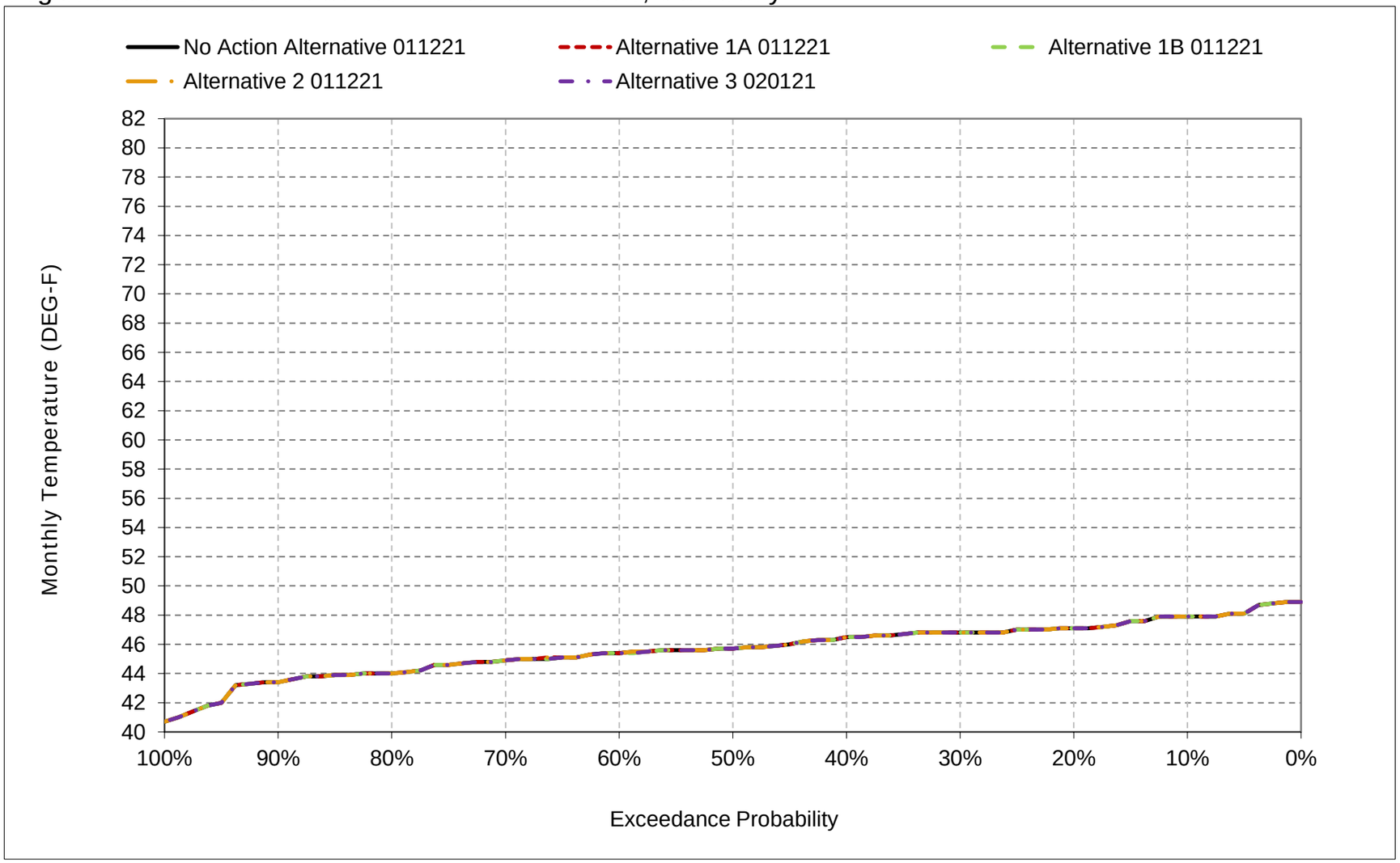
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-19-9. Feather River at Mouth, December



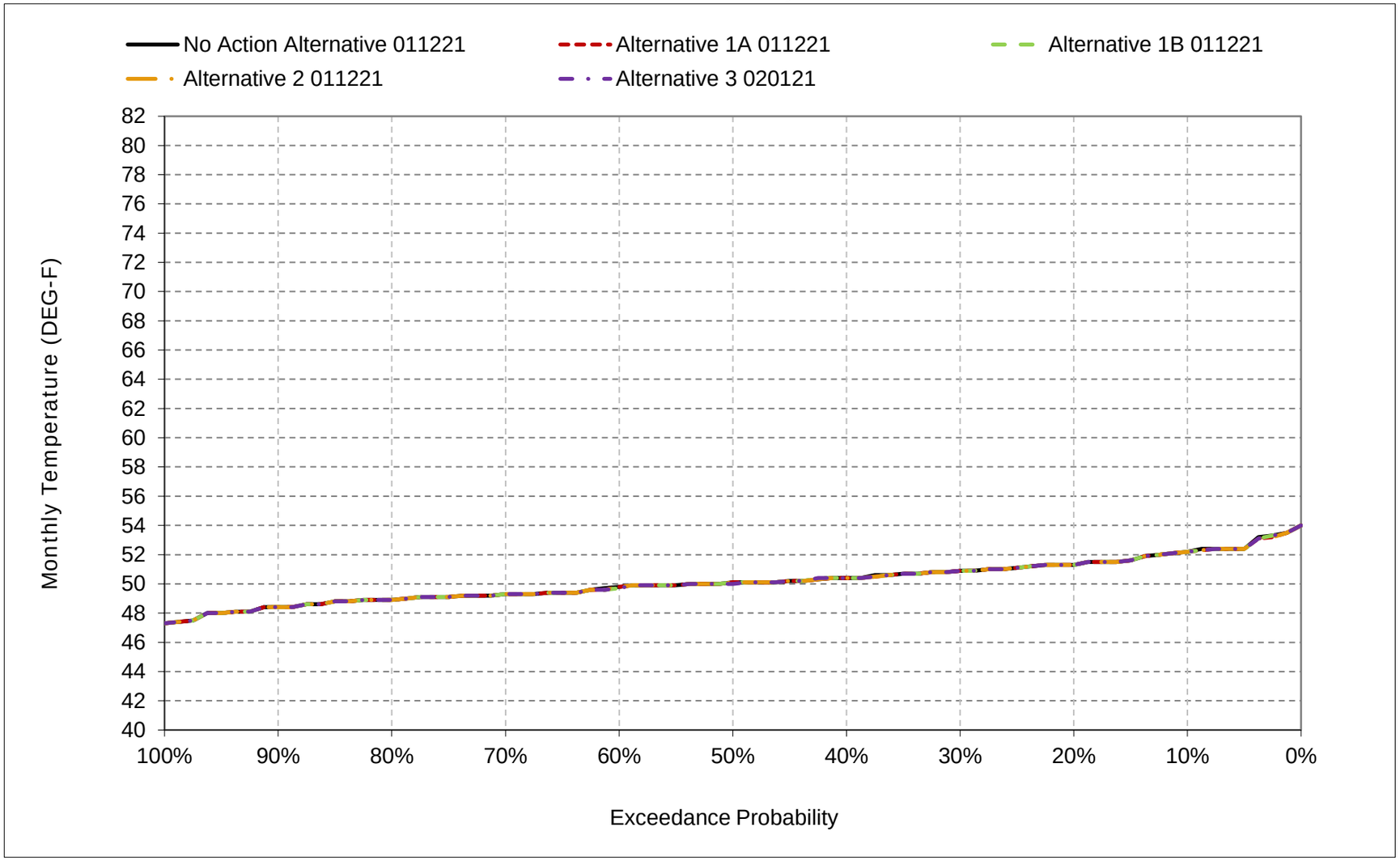
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-19-10. Feather River at Mouth, January



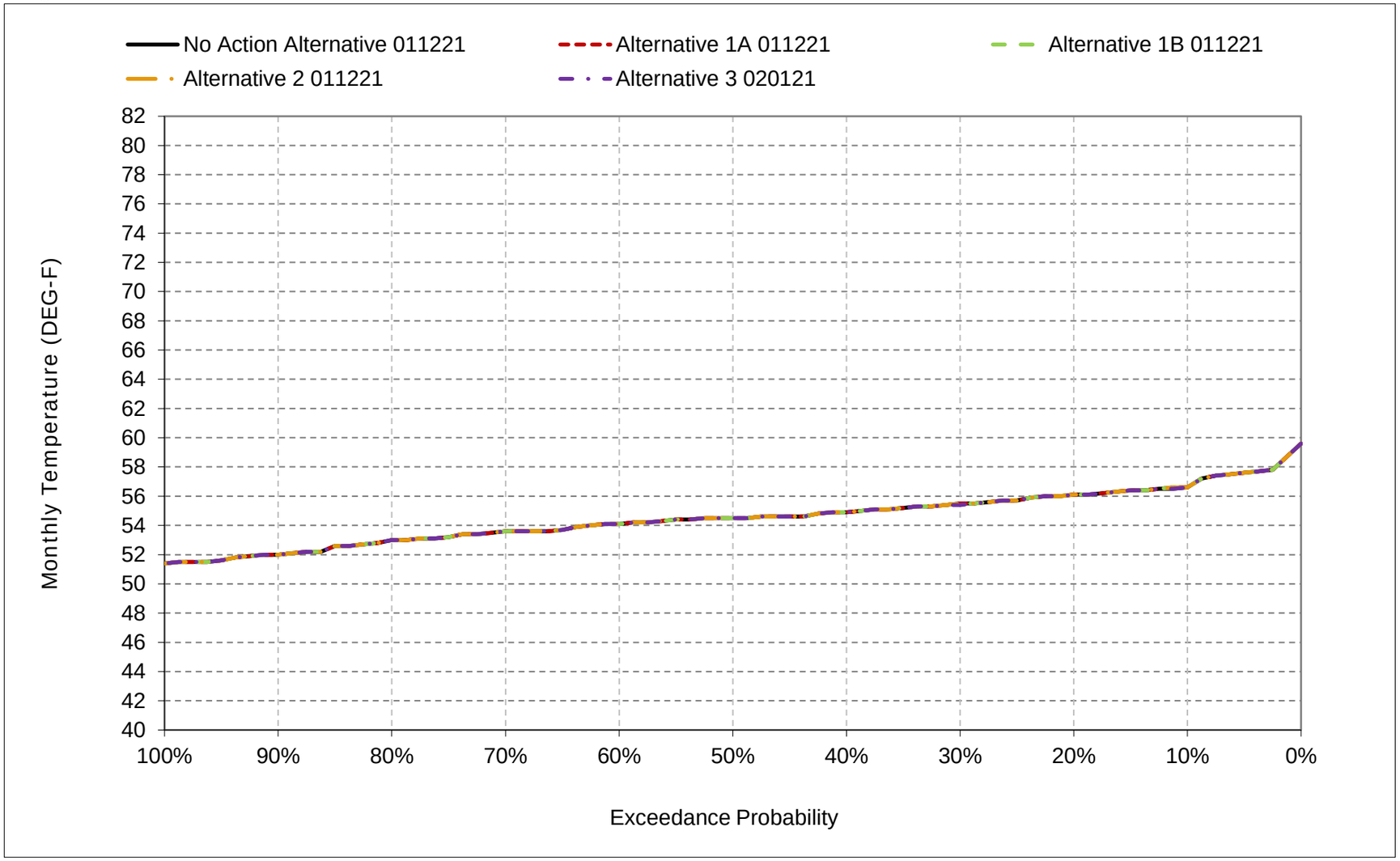
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-19-11. Feather River at Mouth, February



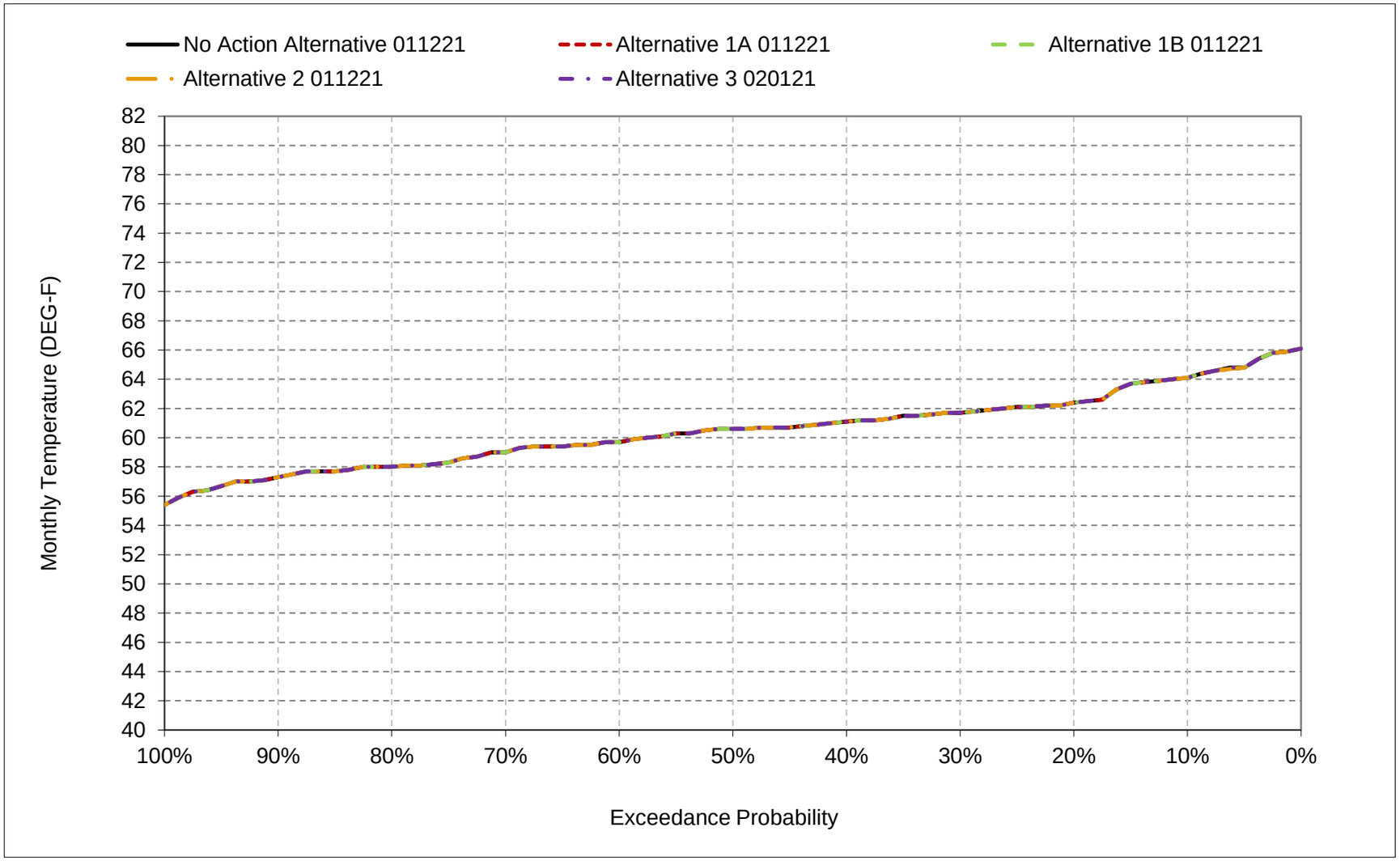
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-19-12. Feather River at Mouth, March



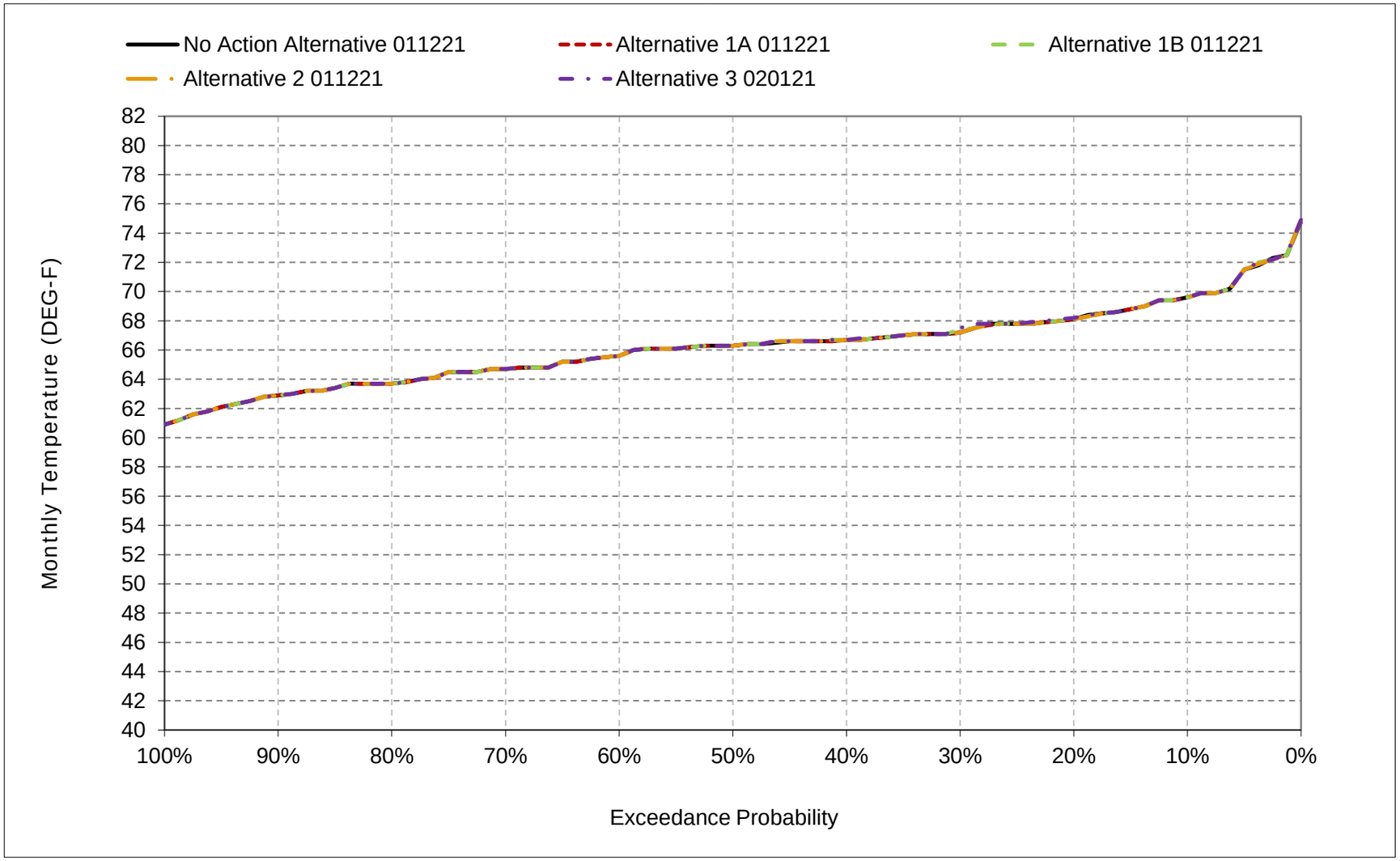
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-19-13. Feather River at Mouth, April



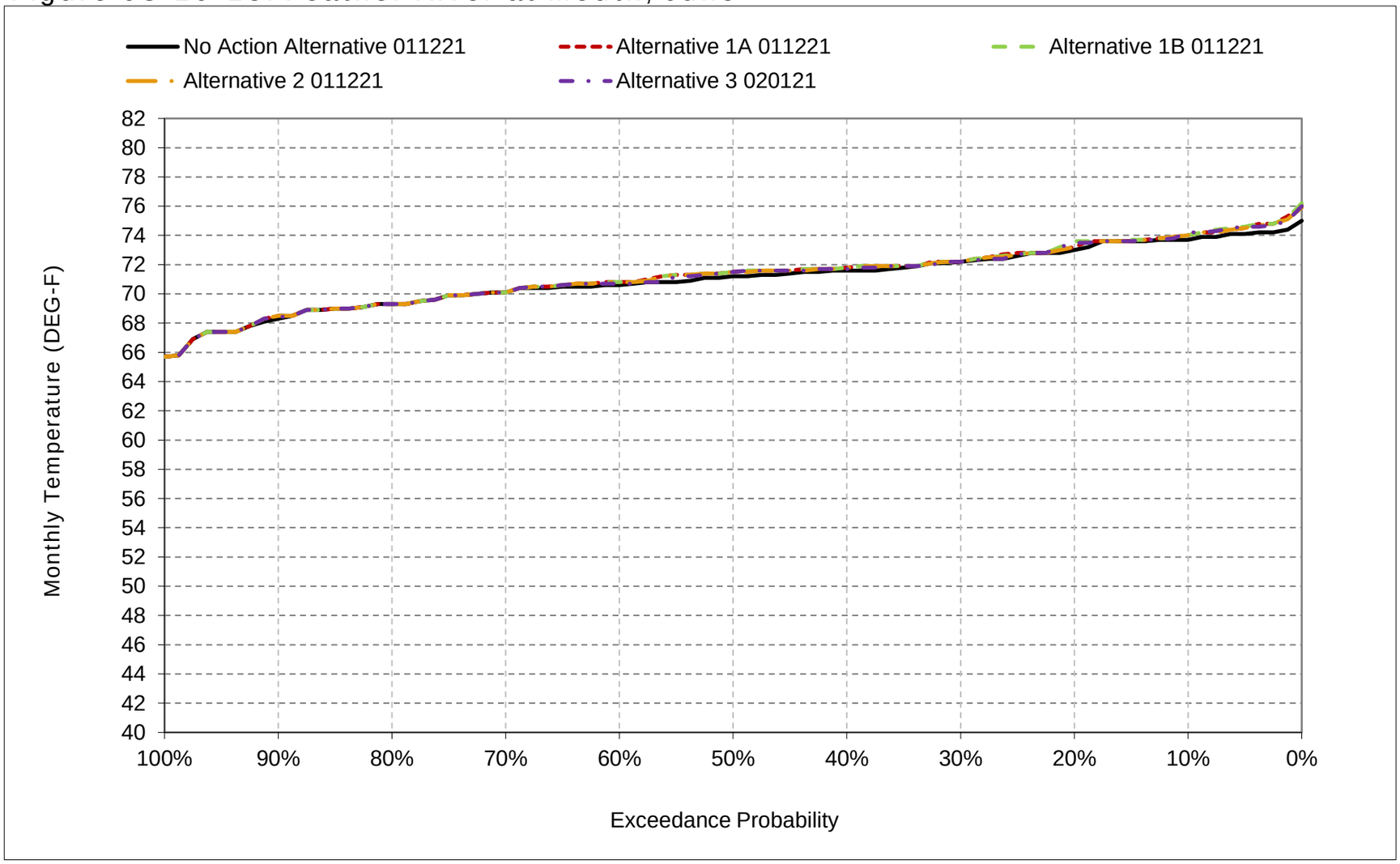
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-19-14. Feather River at Mouth, May



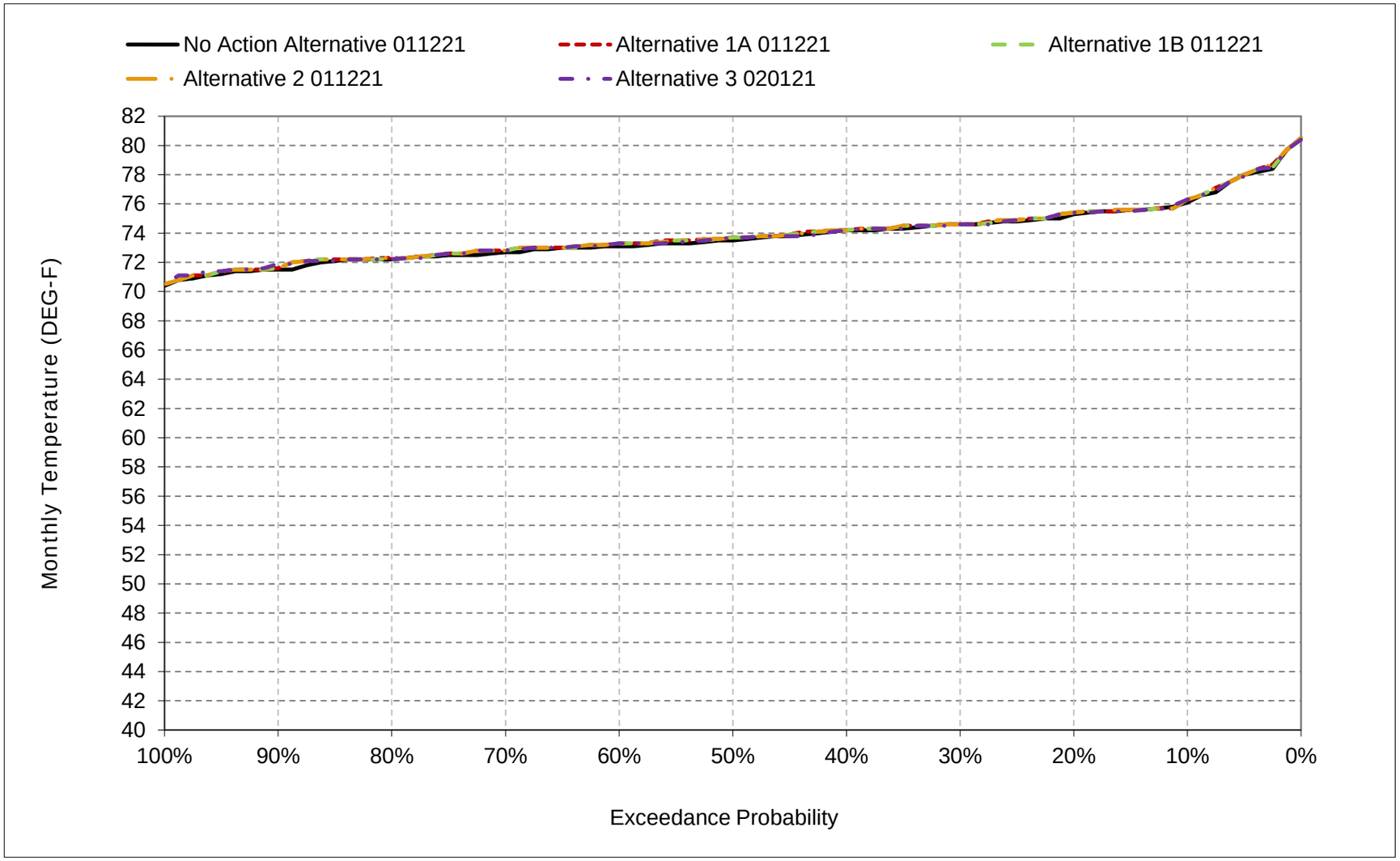
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-19-15. Feather River at Mouth, June



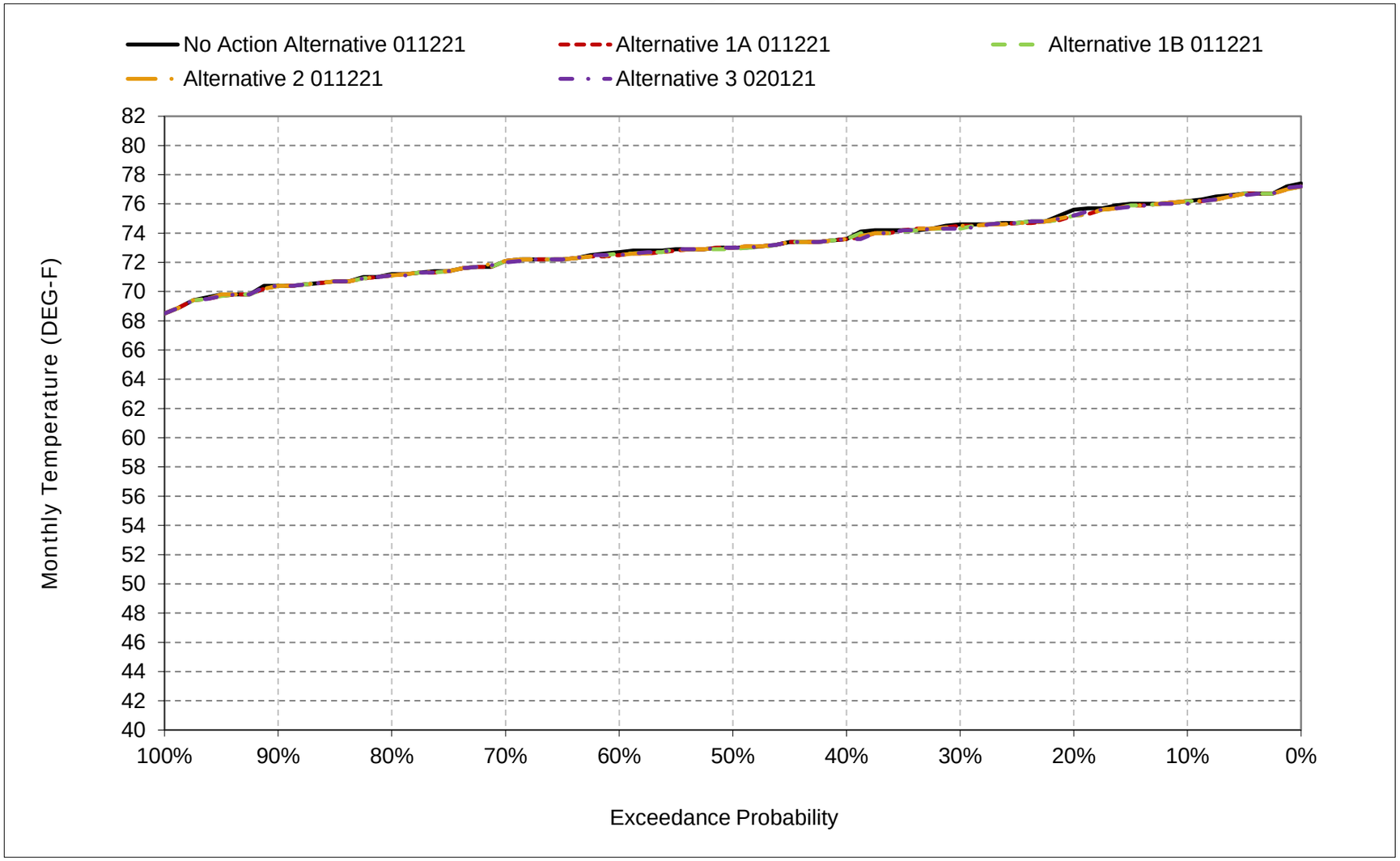
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-19-16. Feather River at Mouth, July



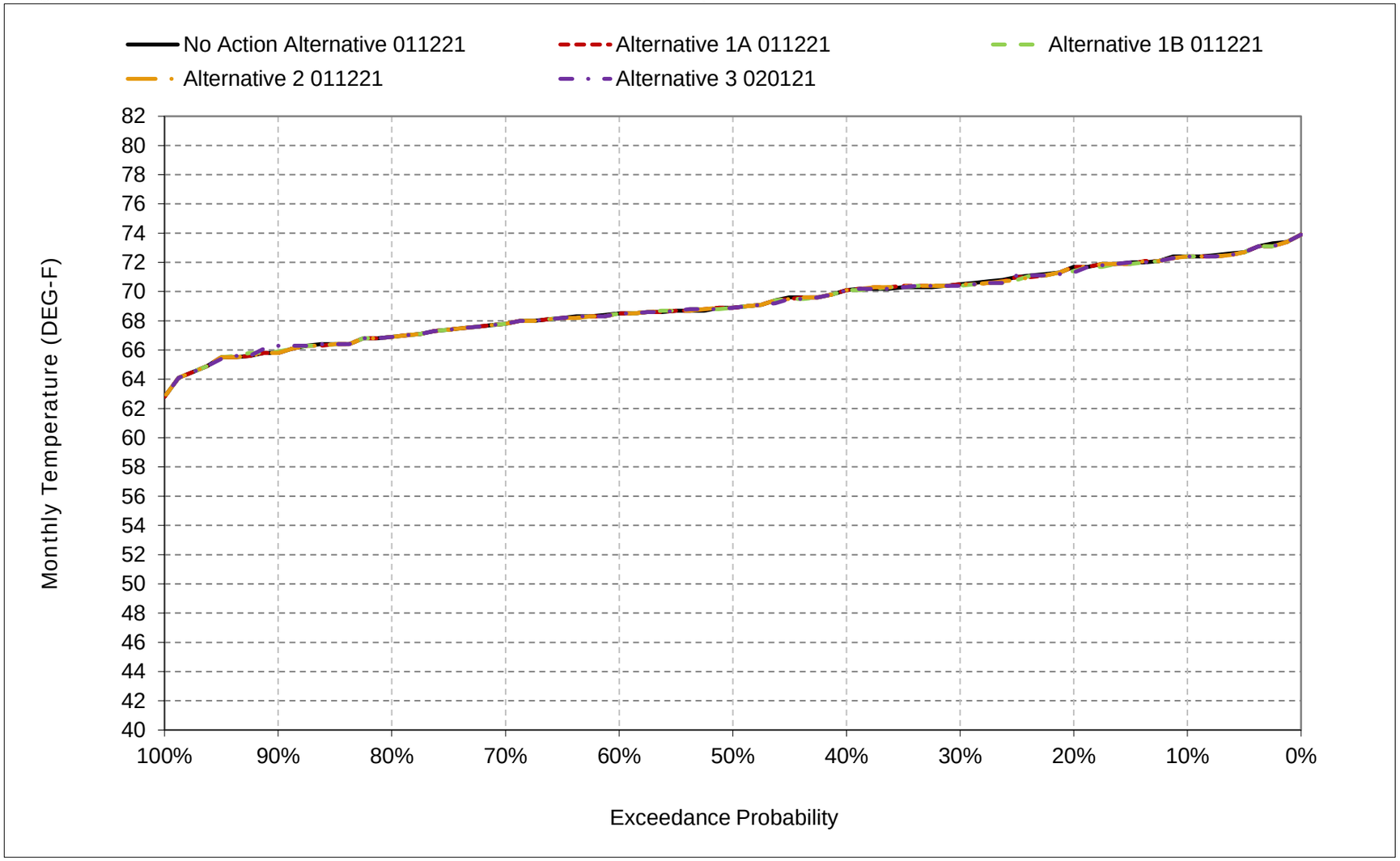
*All scenarios are simulated at current climate condition and 0 cm sea level rise.

Figure 6C-19-17. Feather River at Mouth, August



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

Figure 6C-19-18. Feather River at Mouth, September



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