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Regional Deliveries
Summary Tables and Bar Charts
Exceedance Probability Charts and Tables

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Alternative A Compared to No Action Alternative

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Table WS-SWP-3a

Alternative A
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period ¹	65%	65%	96%
Water Year Types²			
Wet (32%)	81%	81%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	65%	65%	100%
Dry (22%)	59%	59%	100%
Critical (15%)	38%	38%	75%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	2,620	93	50
Water Year Types²			
Wet (32%)	3,189	128	96
Above Normal (15%)	2,739	49	64
Below Normal (17%)	2,612	123	20
Dry (22%)	2,422	77	23
Critical (15%)	1,584	44	10

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	701	2,061	2,762
Water Year Types²			
Wet (32%)	899	2,515	3,413
Above Normal (15%)	741	2,111	2,852
Below Normal (17%)	675	2,079	2,755
Dry (22%)	616	1,906	2,522
Critical (15%)	394	1,244	1,638

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period ¹	950
Water Year Types²	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	772

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period ¹	24	4	208	46	689	88	280	9	1,415
Water Year Types²									
Wet (32%)	30	5	257	57	883	109	338	11	1,723
Above Normal (15%)	26	4	219	49	728	93	279	9	1,445
Below Normal (17%)	24	4	209	46	663	87	285	8	1,428
Dry (22%)	21	3	185	42	605	79	263	8	1,315
Critical (15%)	14	2	123	27	387	51	173	5	856

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-3b

**No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period ¹	62%	62%	96%
Water Year Types²			
Wet (32%)	80%	80%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	64%	64%	100%
Dry (22%)	54%	54%	100%
Critical (15%)	30%	30%	75%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type**

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	2,496	91	51
Water Year Types²			
Wet (32%)	3,132	124	81
Above Normal (15%)	2,730	67	44
Below Normal (17%)	2,593	120	45
Dry (22%)	2,202	62	32
Critical (15%)	1,234	52	30

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	670	1,969	2,639
Water Year Types²			
Wet (32%)	873	2,466	3,338
Above Normal (15%)	727	2,113	2,840
Below Normal (17%)	681	2,078	2,758
Dry (22%)	568	1,727	2,296
Critical (15%)	318	998	1,316

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period ¹	950
Water Year Types²	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	772

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period ¹	23	4	199	44	658	84	267	8	1,353
Water Year Types²									
Wet (32%)	29	5	252	56	858	108	331	11	1,689
Above Normal (15%)	25	4	218	48	714	93	282	9	1,447
Below Normal (17%)	23	4	207	45	669	86	284	8	1,432
Dry (22%)	19	3	172	38	558	73	236	7	1,190
Critical (15%)	11	2	97	21	312	40	138	4	692

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-3c

**Difference: Alternative A minus No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period ¹	3%	3%	0%
Water Year Types²			
Wet (32%)	1%	1%	0%
Above Normal (15%)	0%	0%	0%
Below Normal (17%)	1%	1%	0%
Dry (22%)	5%	5%	0%
Critical (15%)	9%	9%	0%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**Difference: Alternative A minus No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type**

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	123	1	-2
Water Year Types²			
Wet (32%)	57	4	15
Above Normal (15%)	9	-17	20
Below Normal (17%)	18	3	-25
Dry (22%)	220	15	-8
Critical (15%)	351	-8	-20

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**Difference: Alternative A minus No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	31	92	123
Water Year Types²			
Wet (32%)	26	49	75
Above Normal (15%)	14	-2	12
Below Normal (17%)	-6	2	-4
Dry (22%)	48	178	227
Critical (15%)	76	246	322

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**Difference: Alternative A minus No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period ¹	0
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**Difference: Alternative A minus No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region	South Lahonton Hydrologic Region	South Coast Hydrologic Region		
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)		
Long-term									
Full Simulation Period ¹	1	0	9	2	31	4	13	0	62
Water Year Types²									
Wet (32%)	1	0	5	1	25	2	7	0	33
Above Normal (15%)	0	0	2	0	14	0	-3	0	-2
Below Normal (17%)	1	0	2	1	-6	1	1	0	-3
Dry (22%)	2	0	14	4	47	7	27	1	126
Critical (15%)	3	0	26	6	75	11	35	1	165

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-3d

State Water Project (SWP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	Ag Service Table A Allocation (EO May)	Ag Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	62%	670
Alternative A	65%	701
Difference	3%	31
Percent Difference ³		4.7%
Water Year Types²		
Wet (32%)		
No Action Alternative	80%	873
Alternative A	81%	899
Difference	1%	26
Percent Difference		3.0%
Above Normal (15%)		
No Action Alternative	69%	727
Alternative A	69%	741
Difference	0%	14
Percent Difference		1.9%
Below Normal (17%)		
No Action Alternative	64%	681
Alternative A	65%	675
Difference	1%	-6
Percent Difference		-0.8%
Dry (22%)		
No Action Alternative	54%	568
Alternative A	59%	616
Difference	5%	48
Percent Difference		8.5%
Critical (15%)		
No Action Alternative	30%	318
Alternative A	38%	394
Difference	9%	76
Percent Difference		24.0%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

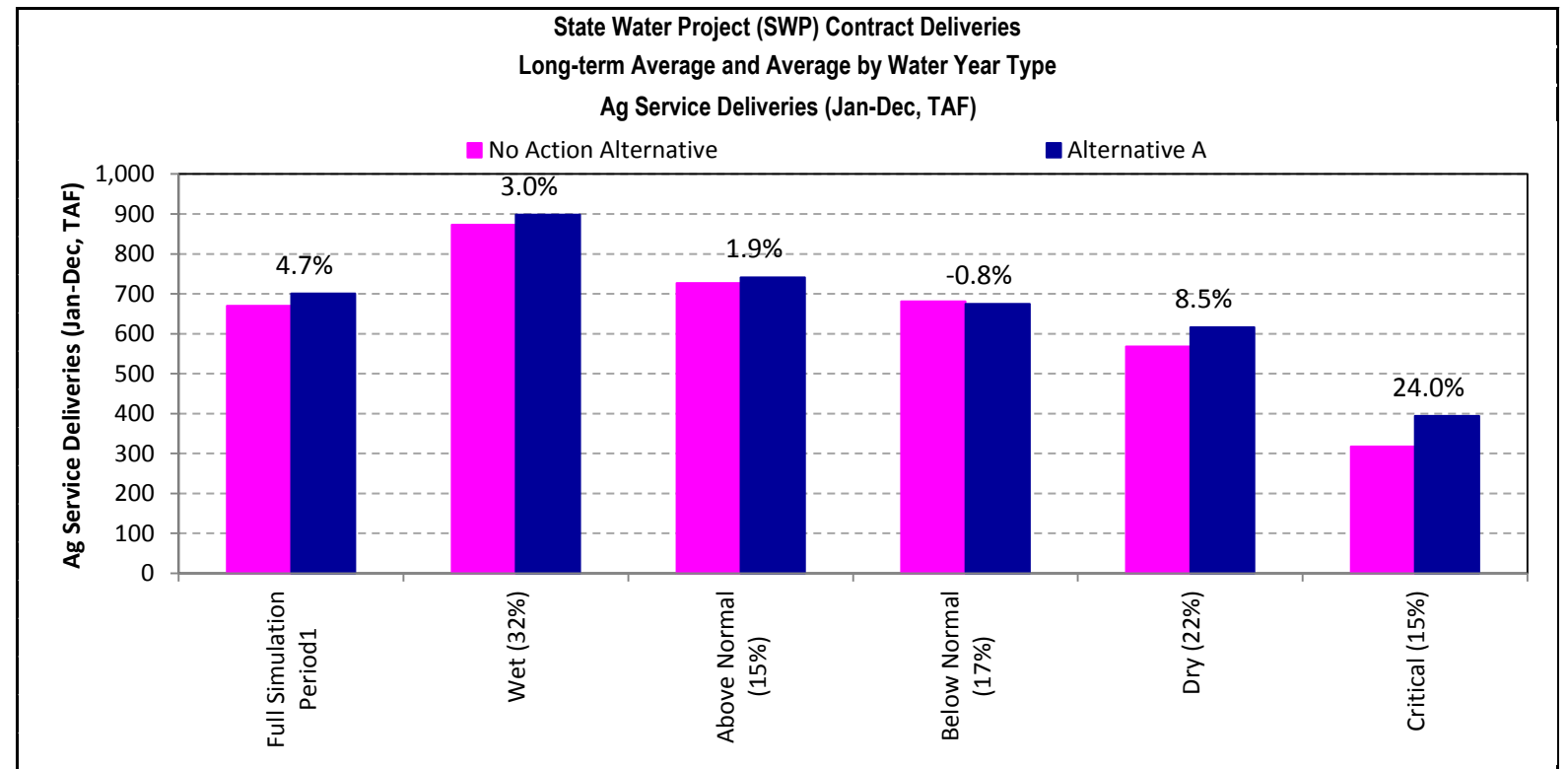
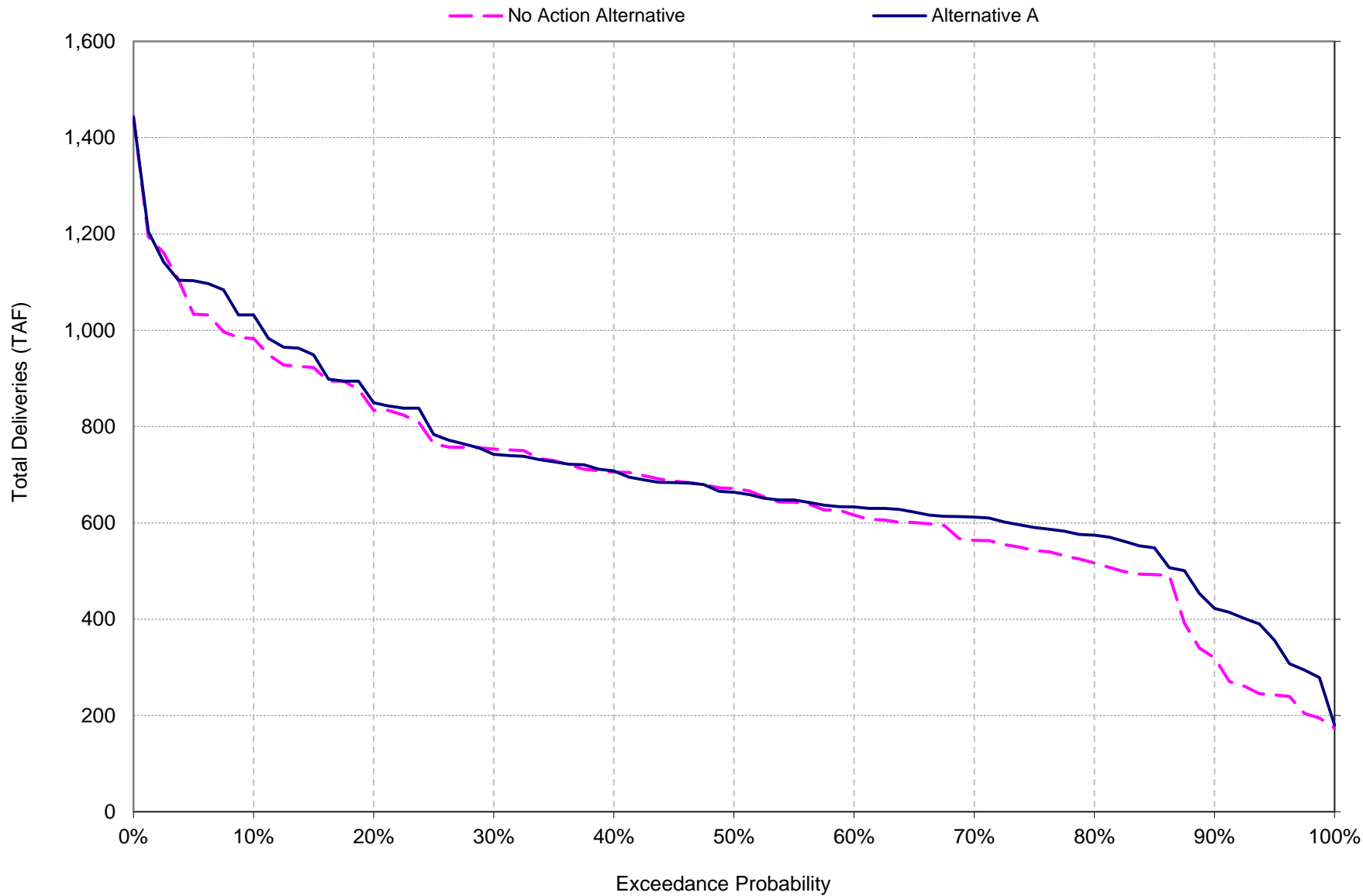


Figure WS-CVP-3e
State Water Project (SWP) Total Ag Service Contract Deliveries
Probability Exceedance Chart



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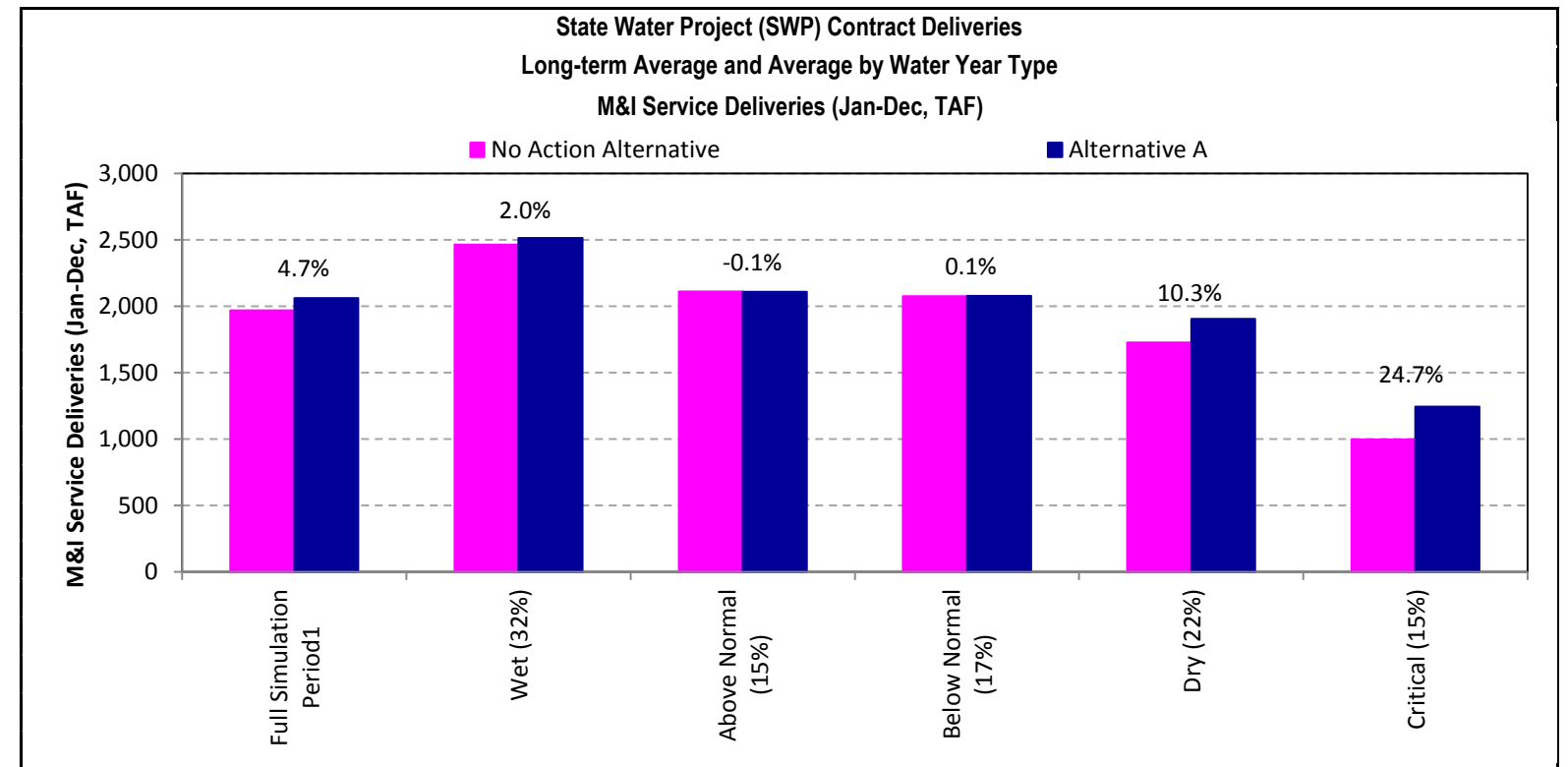
Table WS-SWP-3f

State Water Project (SWP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	M&I Service Table A Allocation (EO May)	M&I Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	62%	1,969
Alternative A	65%	2,061
Difference	3%	92
Percent Difference ³		4.7%
Water Year Types²		
Wet (32%)		
No Action Alternative	80%	2,466
Alternative A	81%	2,515
Difference	1%	49
Percent Difference		2.0%
Above Normal (15%)		
No Action Alternative	69%	2,113
Alternative A	69%	2,111
Difference	0%	-2
Percent Difference		-0.1%
Below Normal (17%)		
No Action Alternative	64%	2,078
Alternative A	65%	2,079
Difference	1%	2
Percent Difference		0.1%
Dry (22%)		
No Action Alternative	54%	1,727
Alternative A	59%	1,906
Difference	5%	178
Percent Difference		10.3%
Critical (15%)		
No Action Alternative	30%	998
Alternative A	38%	1,244
Difference	9%	246
Percent Difference		24.7%

1 Based on the 82-year simulation period

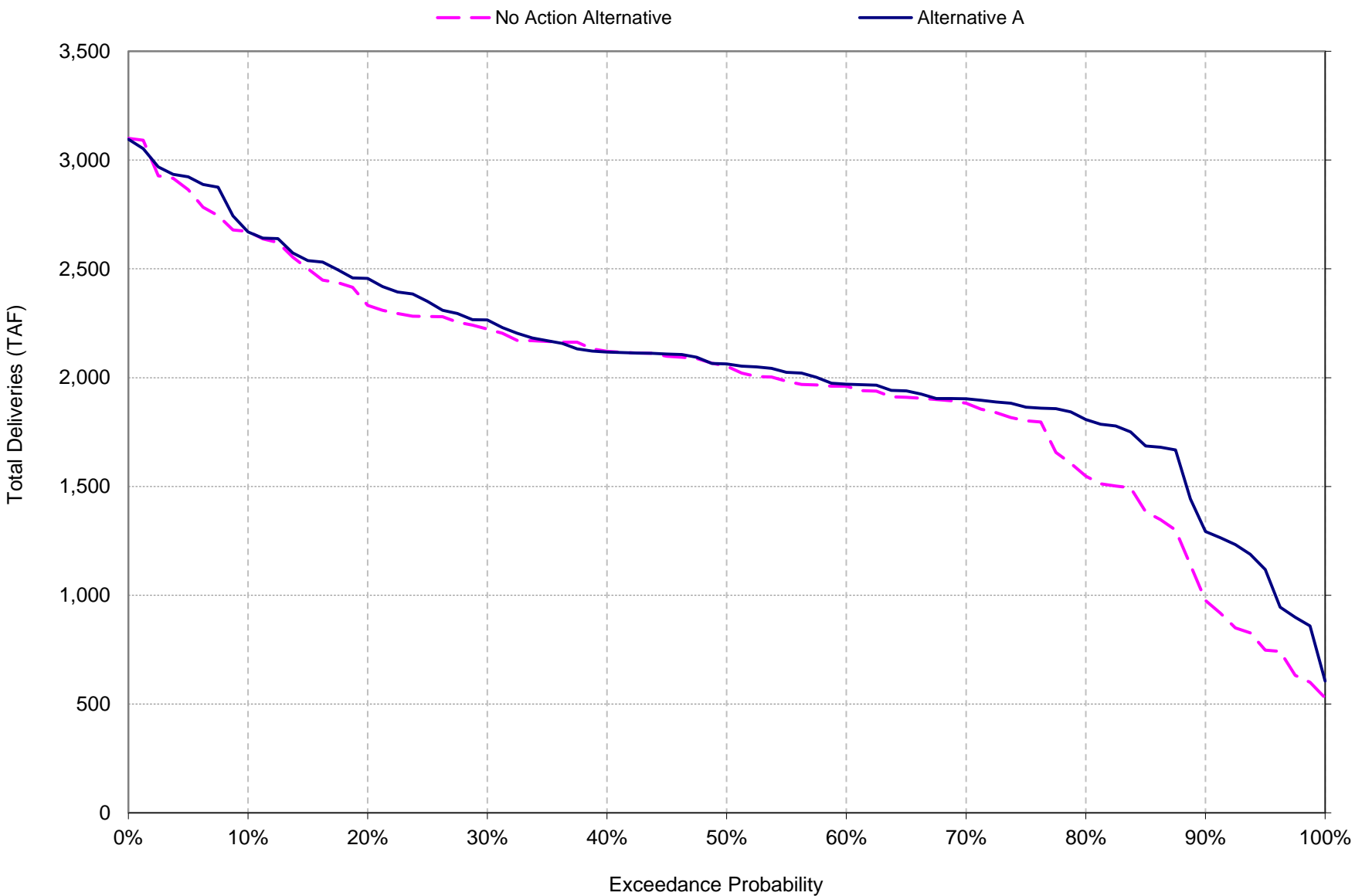
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



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Figure WS-CVP-3g
State Water Project (SWP) Total M&I Service Contract Deliveries
Probability Exceedance Chart



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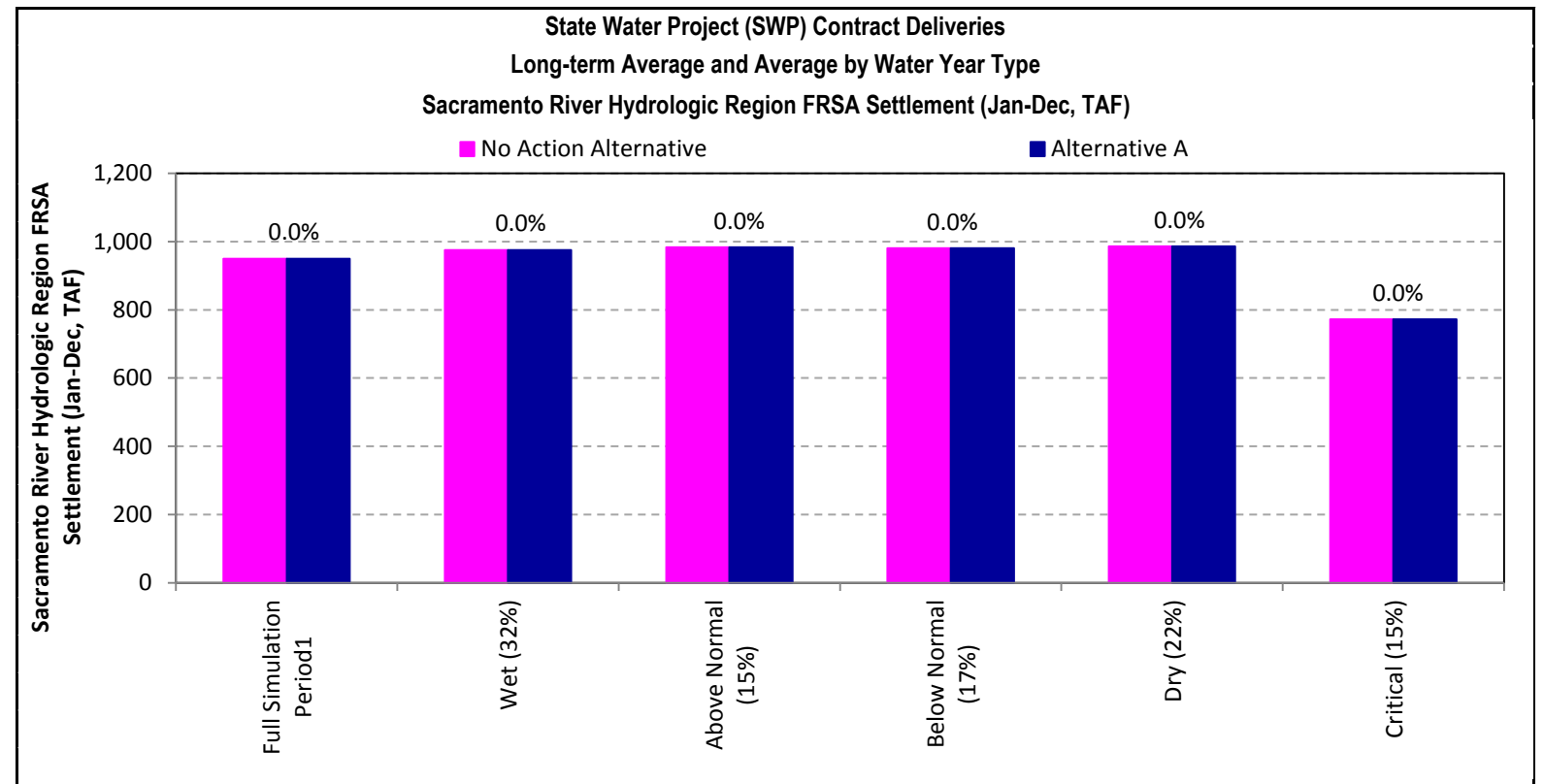
Table WS-SWP-3h

State Water Project (SWP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	FRSA Settlement Contract Allocation (EO May)	Sacramento River Hydrologic Region FRSA Settlement (Jan-Dec, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	96%	950
Alternative A	96%	950
Difference	0%	0
Percent Difference ³		0.0%
Water Year Types²		
Wet (32%)		
No Action Alternative	100%	976
Alternative A	100%	976
Difference	0%	0
Percent Difference		0.0%
Above Normal (15%)		
No Action Alternative	100%	983
Alternative A	100%	983
Difference	0%	0
Percent Difference		0.0%
Below Normal (17%)		
No Action Alternative	100%	981
Alternative A	100%	981
Difference	0%	0
Percent Difference		0.0%
Dry (22%)		
No Action Alternative	100%	986
Alternative A	100%	986
Difference	0%	0
Percent Difference		0.0%
Critical (15%)		
No Action Alternative	75%	772
Alternative A	75%	772
Difference	0%	0
Percent Difference		0.0%

¹ Based on the 82-year simulation period

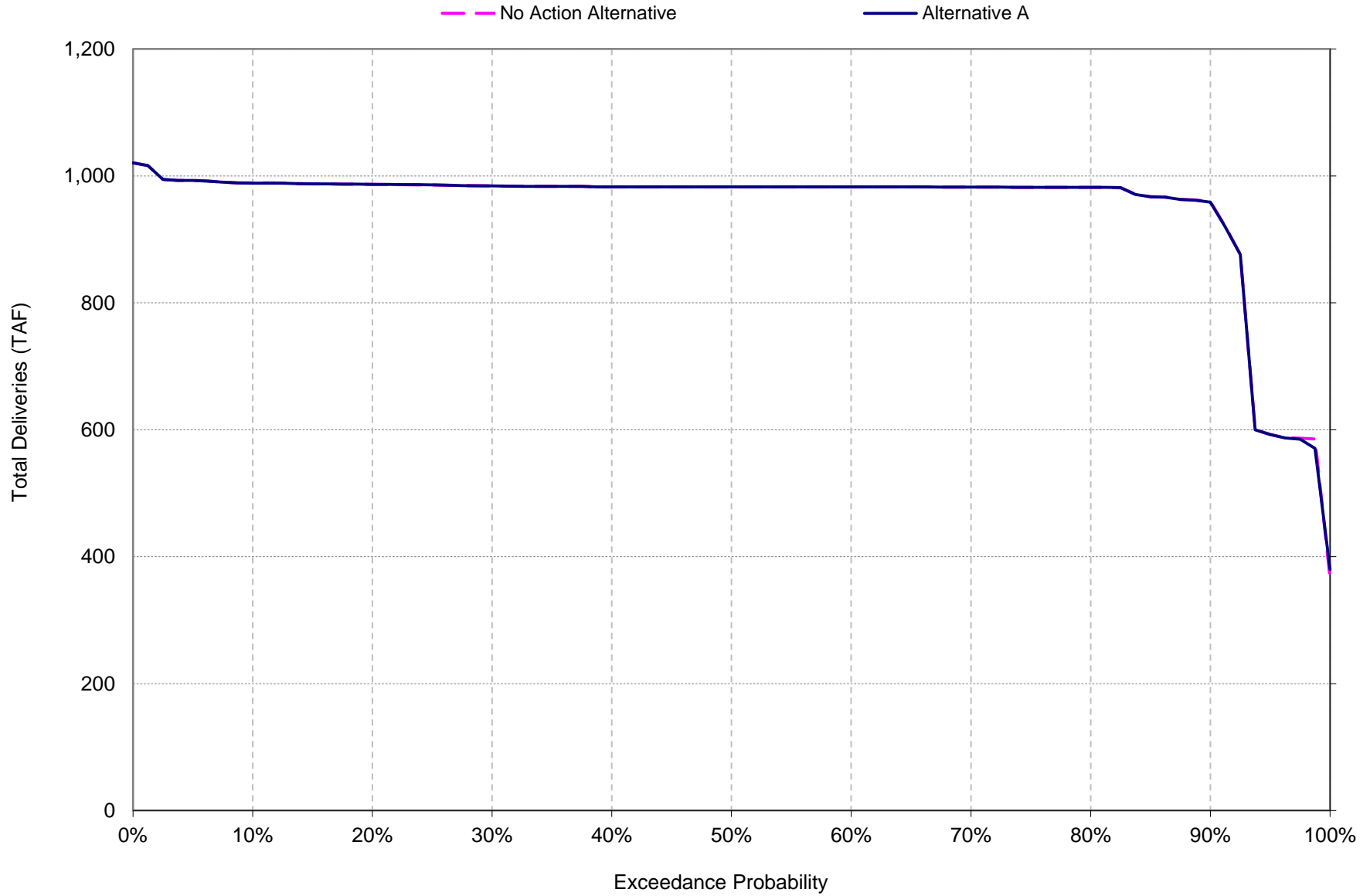
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-3i
State Water Project (SWP) FRSA Settlement Contract Deliveries
Probability Exceedance Chart



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Table WS-SWP-3j

Alternative A														Alternative A									
State Water Project (SWP) Contract Deliveries														State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations						
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery	
		FRSA Settlement (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	
1922	2	AN	983	26	4	224	49	709	94	803	262	9	1,365	1,374	722	2,021	2,743	70%	70%	100%	2,726	0	16
1923	3	BN	994	23	3	203	43	619	82	701	296	8	1,447	1,455	630	2,094	2,724	61%	61%	100%	2,517	187	20
1924	5	C	585	12	2	114	24	350	46	396	155	4	766	770	356	1,118	1,474	34%	34%	50%	1,438	26	10
1925	4	D	983	20	3	197	40	683	77	759	246	9	1,303	1,312	695	1,882	2,578	57%	57%	100%	2,370	0	208
1926	4	D	989	21	3	172	42	605	80	686	257	8	1,287	1,295	616	1,860	2,476	60%	60%	100%	2,469	1	6
1927	1	W	982	23	4	201	44	631	84	715	260	8	1,313	1,320	643	1,925	2,567	62%	62%	100%	2,546	5	16
1928	2	AN	983	24	4	202	44	639	85	724	268	8	1,352	1,360	651	1,974	2,625	63%	63%	100%	2,566	46	13
1929	5	C	987	16	3	138	31	445	59	504	201	6	997	1,003	453	1,443	1,896	44%	44%	100%	1,827	61	8
1930	4	D	983	19	3	161	37	539	72	610	230	7	1,149	1,156	548	1,668	2,216	53%	53%	100%	2,207	1	8
1931	5	C	592	10	2	90	20	289	38	327	124	4	616	620	294	899	1,193	29%	29%	50%	1,182	1	10
1932	4	D	989	21	3	172	40	601	76	677	245	8	1,233	1,241	612	1,786	2,398	57%	57%	100%	2,348	0	51
1933	5	C	988	14	2	134	27	394	52	446	168	5	837	842	401	1,233	1,634	39%	39%	100%	1,613	1	19
1934	5	C	570	14	2	126	28	407	54	461	174	5	868	873	414	1,264	1,678	40%	40%	50%	1,672	0	6
1935	3	BN	983	23	4	207	47	672	89	761	260	8	1,338	1,347	684	1,965	2,650	66%	66%	100%	2,639	1	10
1936	3	BN	987	25	4	219	49	699	93	791	284	9	1,449	1,458	711	2,118	2,829	69%	69%	100%	2,696	121	12
1937	3	BN	982	31	5	273	61	946	117	1,063	360	12	1,828	1,840	963	2,670	3,633	87%	87%	100%	3,376	173	83
1938	1	W	982	36	6	308	70	1,077	135	1,212	423	14	2,079	2,093	1,097	3,052	4,149	100%	100%	100%	3,896	178	75
1939	4	D	1,016	21	3	178	39	564	75	639	297	7	1,415	1,422	575	2,025	2,599	56%	56%	100%	2,320	269	10
1940	2	AN	982	23	4	204	45	647	86	733	260	8	1,321	1,329	659	1,939	2,598	64%	64%	100%	2,583	1	14
1941	1	W	971	30	5	246	58	828	110	938	323	10	1,652	1,663	843	2,419	3,262	82%	82%	100%	3,182	78	2
1942	1	W	983	27	4	232	51	729	97	826	315	9	1,573	1,582	743	2,295	3,037	72%	72%	100%	2,804	217	16
1943	1	W	983	30	5	257	57	823	109	933	343	10	1,735	1,745	838	2,532	3,370	81%	81%	100%	3,165	191	14
1944	4	D	984	23	4	200	45	654	87	740	304	8	1,498	1,506	665	2,157	2,822	64%	64%	100%	2,594	218	10
1945	3	BN	982	24	4	218	47	677	90	767	277	8	1,409	1,418	689	2,065	2,755	67%	67%	100%	2,650	86	18
1946	3	BN	983	27	4	235	51	727	97	823	294	9	1,501	1,511	740	2,204	2,944	72%	72%	100%	2,794	130	20
1947	4	D	983	24	4	203	45	652	87	738	294	8	1,454	1,462	664	2,107	2,770	64%	64%	100%	2,595	165	10
1948	3	BN	920	20	3	187	41	585	78	663	265	7	1,314	1,321	596	1,904	2,500	58%	58%	100%	2,404	83	13
1949	4	D	984	22	3	192	43	619	82	701	258	8	1,299	1,307	630	1,896	2,526	61%	61%	100%	2,515	1	10
1950	3	BN	982	20	3	187	39	560	74	635	243	7	1,215	1,222	570	1,778	2,348	55%	55%	100%	2,301	26	21
1951	2	AN	986	29	4	253	54	1,087	103	1,189	287	13	1,659	1,672	1,104	2,385	3,489	76%	76%	100%	2,976	1	512
1952	1	W	983	34	5	282	66	948	126	1,074	395	12	1,986	1,998	965	2,888	3,853	93%	93%	100%	3,643	209	2
1953	1	W	986	22	3	188	40	576	77	653	297	7	1,427	1,434	587	2,050	2,636	57%	57%	100%	2,368	252	17
1954	2	AN	983	22	3	188	41	591	79	670	252	7	1,262	1,269	602	1,843	2,445	58%	58%	100%	2,430	1	14
1955	4	D	993	22	3	192	43	611	81	692	258	8	1,293	1,300	622	1,888	2,510	60%	60%	100%	2,497	1	12
1956	1	W	993	32	5	279	61	1,066	117	1,183	328	13	1,756	1,769	1,084	2,573	3,657	87%	87%	100%	3,377	14	266
1957	2	AN	983	21	3	188	40	580	77	657	294	7	1,421	1,428	591	2,042	2,633	57%	57%	100%	2,384	233	16
1958	1	W	959	36	6	308	70	1,014	135	1,148	375	13	1,951	1,964	1,032	2,875	3,908	100%	100%	100%	3,896	1	11
1959	3	BN	990	18	3	159	35	498	66	564	256	6	1,274	1,280	507	1,808	2,315	49%	49%	100%	2,046	258	11
1960	4	D	983	19	3	169	38	542	72	614	231	7	1,157	1,164	552	1,686	2,238	53%	53%	100%	2,227	1	10
1961	4	D	983	21	3	174	42	602	80	682	257	8	1,284	1,292	613	1,858	2,471	59%	59%	100%	2,462	1	8
1962	3	BN	983	21	4	196	43	622	83	705	258	8	1,302	1,310	634	1,904	2,538	61%	61%	100%	2,524	1	13
1963	1	W	967	23	3	203	43	622	83	705	264	8	1,326	1,334	633	1,942	2,576	61%	61%	100%	2,524	32	20
1964	4	D	989	25	4	213	47	672	89	761	266	8	1,362	1,370	684	2,002	2,686	66%	66%	100%	2,640	31	15
1965	1	W	987	28	4	241	54	770	102	872	308	10	1,576	1,586	784	2,310	3,094	76%	76%	100%	2,960	120	14
1966	3	BN	987	25	4	214	46	667	89	756	303	8	1,492	1,500	680	2,170	2,849	66%	66%	100%	2,631	202	17
1967	1	W	983	30	5	261	57	823	109	933	326	10	1,673	1,683	838	2,456	3,295	81%	81%	100%	3,165	112	18
1968	3	BN	983	23	3	194	43	617	82	699	303	8	1,468	1,476	628	2,113	2,741	61%	61%	100%	2,511	218	12
1969	1	W	983	37	6	299	70	1,014	135	1,148	380	13	2,014	2,027	1,032	2,934	3,966	100%	100%	100%	3,896	22	47
1970	1	W	983	29	4	257	54	932	103	1,035	320	13	1,631	1,644	949	2,394	3,343	76%	76%	100%	2,979	127	238
1971	1	W	985	23	4	200	44	626	83	709	301	8	1,465	1,473	637	2,116	2,753	62%	62%	100%	2,533	205	14
1972	3	BN	992	24	4	207	44	636	84	720	266	8	1,342	1,350	647	1,967	2,615	63%	63%	100%	2,558	37	20
1973	2	AN	982	26	4	222	48	695	92	788	271	9	1,394	1,403	708	2,053	2,761	69%	69%	100%	2,690	55	16
1974	1	W	982	31	5	262	58	834	111	945	341	10	1,735	1,746	849	2,538	3,387	82%	82%	100%	3,207	165	16
1975	1	W	982	26	4	227	50	719	95	814	310	9	1,557	1,566	732	2,267	2,998	71%	71%	100%	2,763	221	15
1976	5	C	1,021	23	4	200	44	636	84	720	297	8	1,463	1,471	648	2,112	2,759	63%	63%	100%	2,557	190	12
1977	5	C	379	6	1	56	12	177	23	200	87	2	421	423	180	606	786	17%	17%	50%	727	57	2
1978	2	AN	983	27	4	222	52	751	100	850	277	9	1,445	1,454	764	2,123	2,887	74%	74%	100%	2,885	0	2
1979	3	BN	982	28	4	234	53	758	101	859	320	9	1,616	1,625	772	2,351	3,123	75%	75%	100%	2,914	198	10
1980	2	AN	986	32	5	260	61	879	117	995	345	11	1,826	1,837	894	2,641	3,536	87%	87%	100%	3,377	85	73
1981	4	D	983	22	3	193	42	603	80	683	305	8	1,467	1,475	614	2,109	2,723	59%	59%	100%	2,476	233	14
1982	1	W	967	36	6	310	70	1,122	135	1,25													

Table WS-SWP-3j

		Alternative A													Alternative A																
		State Water Project (SWP) Contract Deliveries													State Water Project (SWP) Delivery Operations																
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region		San Francisco Bay Hydrologic Region		Central Coast Hydrologic Region			Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region			South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Deliveries	Ag Service Allocation	M&I Service Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery		
		FRSA Settlement	M&I Service		Ag Service	M&I Service		M&I Service		M&I Service	Ag Service	M&I Service	Total	M&I Service	Ag Service	M&I Service	Total	Ag Service	M&I Service	Total											
		(Jan-Dec, TAF)	(Jan-Dec, TAF)		(Jan-Dec, TAF)	(Jan-Dec, TAF)		(Jan-Dec, TAF)		(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)										(Jan-Dec, TAF)	(Jan-Dec, TAF)
AVG:		950	24		4		208		46		689	88	777		280		9	1,415	1,424	701	2,061	2,762				65%	65%	96%	2,620	93	50
MIN:		379	6		1		56		12		177	23	200		87		2	421	423	180	606	786				17%	17%	50%	727	0	2
MAX:		1,021	37		6		319		70		1,421	135	1,556		423		16	2,121	2,137	1,442	3,096	4,538				100%	100%	100%	3,896	269	583
DP:	29-34, 76-77	831	15		2		132		29		423	56	479		185		5	922	927	431	1,338	1,768				42%	42%	82%	1,720	36	12
AVG:	W	976	30		5		257		57		883	109	992		338		11	1,723	1,734	899	2,515	3,413				81%	81%	100%	3,189	128	96
	AN	983	26		4		219		49		728	93	821		279		9	1,445	1,454	741	2,111	2,852				69%	69%	100%	2,739	49	64
	BN	981	24		4		209		46		663	87	751		285		8	1,428	1,437	675	2,079	2,755				65%	65%	100%	2,612	123	20
	D	986	21		3		185		42		605	79	685		263		8	1,315	1,323	616	1,906	2,522				59%	59%	100%	2,422	77	23
	C	772	14		2		123		27		387	51	438		173		5	856	861	394	1,244	1,638				38%	38%	75%	1,584	44	10
Rank	Probability of	1,021	37		6		319		70		1,421	135	1,556		423		16	2,121	2,137	1,442	3,096	4,538				100%	100%	100%	3,896	269	583
2	1.3%	1,016	37		6		310		70		1,187	135	1,290		414		15	2,079	2,093	1,205	3,052	4,149				100%	100%	100%	3,896	258	549
3	2.5%	994	36		6		308		70		1,122	135	1,256		408		14	2,041	2,053	1,142	2,968	4,065				100%	100%	100%	3,896	254	512
4	3.8%	993	36		6		308		70		1,087	135	1,212		395		14	2,014	2,027	1,104	2,934	3,966				100%	100%	100%	3,896	252	270
5	5.0%	993	36		6		299		70		1,085	135	1,202		384		13	1,987	2,002	1,103	2,923	3,951				100%	100%	100%	3,896	236	266
6	6.3%	992	34		5		289		67		1,077	128	1,189		380		13	1,986	1,998	1,097	2,888	3,908				95%	95%	100%	3,710	234	238
7	7.5%	990	34		5		282		66		1,066	126	1,183		375		13	1,951	1,964	1,084	2,875	3,853				93%	93%	100%	3,643	233	208
8	8.8%	989	32		5		279		61		1,014	117	1,148		361		13	1,912	1,923	1,032	2,743	3,742				87%	87%	100%	3,390	233	167
9	10.0%	989	32		5		278		61		1,014	117	1,148		360		13	1,828	1,840	1,032	2,670	3,664				87%	87%	100%	3,377	221	91
10	11.3%	989	32		5		273		61		965	117	1,094		358		13	1,826	1,837	983	2,641	3,657				87%	87%	100%	3,377	218	83
11	12.5%	988	31		5		264		61		948	117	1,074		345		12	1,792	1,805	965	2,639	3,638				87%	87%	100%	3,376	218	75
12	13.8%	988	31		5		262		61		946	117	1,063		343		12	1,756	1,769	963	2,573	3,633				87%	87%	100%	3,376	217	73
13	15.0%	987	31		5		262		61		932	116	1,035		341		12	1,735	1,746	949	2,538	3,536				87%	87%	100%	3,371	209	51
14	16.3%	987	31		5		261		58		882	111	999		328		11	1,735	1,745	898	2,532	3,489				82%	82%	100%	3,207	205	47
15	17.5%	987	30		5		261		58		879	110	995		327		11	1,698	1,710	894	2,496	3,395				82%	82%	100%	3,182	202	22
16	18.8%	987	30		5		260		57		879	109	995		326		11	1,697	1,709	894	2,459	3,387				81%	81%	100%	3,165	198	21
17	20.0%	987	30		5		257		57		834	109	945		323		10	1,673	1,683	849	2,456	3,370				81%	81%	100%	3,165	192	20
18	21.3%	987	29		4		257		54		828	103	938		320		10	1,659	1,672	843	2,419	3,343				77%	77%	100%	2,988	192	20
19	22.5%	986	29		4		253		54		823	103	933		320		10	1,652	1,663	838	2,394	3,295				76%	76%	100%	2,979	191	20
20	23.8%	986	29		4		246		54		823	103	933		315		10	1,631	1,644	838	2,385	3,262				76%	76%	100%	2,976	190	20
21	25.0%	986	28		4		241		54		770	102	872		315		9	1,616	1,625	784	2,351	3,123				76%	76%	100%	2,960	187	19
22	26.3%	986	28		4		235		53		758	101	859		312		9	1,576	1,586	772	2,310	3,094				75%	75%	100%	2,914	187	18
23	27.5%	985	28		4		234		52		751	100	850		311		9	1,573	1,582	764	2,295	3,037				74%	74%	100%	2,885	178	18
24	28.8%	984	27		4		232		52		742	99	841		310		9	1,558	1,567	756	2,267	2,998				73%	73%	100%	2,854	173	17
25	30.0%	984	27		4		227		51		729	97	826		308		9	1,557	1,566	743	2,265	2,992				72%	72%	100%	2,804	170	17
26	31.3%	984	27		4		227		51		729	97	823		305		9	1,535	1,543	740	2,231	2,944				72%	72%	100%	2,794	165	16
27	32.5%	984	26		4		226		50		725	96	821		304		9	1,501	1,511	738	2,204	2,938				72%	72%	100%	2,787	165	16
28	33.8%	983	26		4		225		50		719	95	814		303		9	1,498	1,506	732	2,182	2,913				71%	71%	100%	2,763	130	16
29	35.0%	983	26		4		224		50		714	95	809		303		9	1,492	1,500	727	2,170	2,887				70%	70%	100%	2,744	127	16
30	36.3%	983	26		4		223		49		709	94	803		301		9	1,484	1,493	722	2,157	2,853				70%	70%	100%	2,726	121	16
31	37.5%	983	26		4		222		49		708	94	802		297		9	1,468	1,476	721	2,132	2,849				70%	70%	100%	2,722	120	16
32	38.8%	983	26		4		222		49		699	93	791		297		9	1,467	1,475	711	2,123	2,829				69%	69%	100%	2,696	117	15
33	40.0%	983	25		4		221		48		695	92	788		297		9	1,465	1,473	708	2,118	2,822				69%	69%	100%	2,690	112	15
34	41.3%	983	25		4		219		47		683	90	767		296		9	1,463	1,471	695	2,116	2,801				67%	67%	100%	2,650	101	14
35	42.5%	983	25		4		218		47		677	89	761		294		8	1,456	1,465	689	2,113	2,770				66%	66%	100%	2,640	93	14
36	43.8%	983																													

Table WS-SWP-3k

No Action Alternative														State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations					
State Water Project (SWP) Contract Deliveries														Ag Service	M&I Service	FRSA Settlement	SWP Table A	SWP Article 56	SWP Article 21			
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region	South Coast Hydrologic Region			Deliveries	Deliveries	Contract Allocation	Delivery (w/o Art 56)	Delivery	Delivery			
		FRSA Settlement (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
1922	2 AN	983	26	4	227	50	721	96	817	266	9	1,387	1,397	734	2,053	2,787	71%	71%	100%	2,771	0	16
1923	3 BN	994	22	3	186	41	588	78	666	290	7	1,404	1,412	598	2,021	2,620	58%	58%	100%	2,416	192	12
1924	5 C	585	8	1	75	17	238	32	270	103	3	508	511	243	742	985	24%	24%	50%	976	1	8
1925	4 D	983	19	3	193	39	633	75	707	240	8	1,252	1,260	644	1,817	2,461	55%	55%	100%	2,306	0	155
1926	4 D	989	17	3	144	34	483	64	547	206	6	1,030	1,036	491	1,494	1,985	48%	48%	100%	1,978	1	6
1927	1 W	982	27	4	232	52	743	99	841	275	9	1,430	1,439	756	2,114	2,870	73%	73%	100%	2,855	1	14
1928	2 AN	983	24	4	210	47	671	89	760	300	8	1,493	1,501	683	2,163	2,846	66%	66%	100%	2,638	196	12
1929	5 C	988	9	1	84	18	256	34	290	133	3	641	645	261	919	1,180	25%	25%	100%	1,051	119	10
1930	4 D	983	17	3	149	34	484	64	548	206	6	1,032	1,038	493	1,502	1,995	48%	48%	100%	1,985	0	10
1931	5 C	592	11	2	96	22	315	42	356	135	4	671	675	320	976	1,297	31%	31%	50%	1,288	1	8
1932	4 D	989	15	2	137	29	541	55	595	176	7	973	980	550	1,384	1,934	41%	41%	100%	1,687	0	247
1933	5 C	985	14	2	140	27	531	52	583	170	7	944	951	540	1,348	1,888	39%	39%	100%	1,621	1	266
1934	5 C	587	9	1	73	17	241	32	273	103	3	514	517	245	748	993	24%	24%	50%	985	0	8
1935	3 BN	983	25	4	230	52	744	99	842	274	9	1,432	1,441	757	2,112	2,869	73%	73%	100%	2,856	0	13
1936	3 BN	987	24	4	212	47	674	90	764	300	8	1,495	1,503	687	2,167	2,853	67%	67%	100%	2,645	197	12
1937	3 BN	982	31	5	279	61	980	117	1,096	350	12	1,836	1,848	997	2,673	3,669	87%	87%	100%	3,376	125	169
1938	1 W	982	36	6	308	70	1,015	135	1,150	423	13	2,127	2,140	1,033	3,100	4,133	100%	100%	100%	3,896	227	11
1939	4 D	1,016	20	3	163	36	522	69	592	280	7	1,325	1,332	532	1,894	2,426	52%	52%	100%	2,146	271	8
1940	2 AN	982	22	4	198	44	627	83	711	259	8	1,306	1,314	639	1,912	2,551	62%	62%	100%	2,536	1	14
1941	1 W	971	29	5	241	56	809	107	917	309	10	1,590	1,600	824	2,332	3,156	80%	80%	100%	3,110	44	2
1942	1 W	983	24	4	208	46	655	87	742	304	8	1,494	1,503	667	2,163	2,830	65%	65%	100%	2,602	214	14
1943	1 W	983	30	5	255	57	819	109	928	319	10	1,645	1,656	834	2,416	3,249	81%	81%	100%	3,147	88	14
1944	4 D	985	18	3	162	35	507	67	575	260	6	1,253	1,260	517	1,796	2,313	50%	50%	100%	2,084	217	12
1945	3 BN	982	27	4	250	53	910	100	1,010	281	11	1,569	1,581	925	2,280	3,206	75%	75%	100%	2,908	1	297
1946	3 BN	983	25	4	217	46	667	89	756	300	8	1,493	1,501	679	2,171	2,850	66%	66%	100%	2,630	200	20
1947	4 D	983	25	4	213	48	692	92	784	282	9	1,438	1,447	705	2,098	2,803	68%	68%	100%	2,682	111	10
1948	3 BN	920	18	3	176	38	553	73	627	269	7	1,308	1,314	563	1,883	2,446	55%	55%	100%	2,272	162	12
1949	4 D	984	17	3	154	35	498	66	565	213	6	1,063	1,069	507	1,547	2,055	49%	49%	100%	2,044	1	10
1950	3 BN	982	20	3	191	41	595	79	674	254	7	1,270	1,277	606	1,855	2,461	59%	59%	100%	2,444	1	16
1951	2 AN	986	28	4	247	54	969	103	1,072	287	12	1,576	1,587	985	2,295	3,280	76%	76%	100%	2,973	1	306
1952	1 W	983	32	5	270	63	911	121	1,032	382	11	1,915	1,927	928	2,783	3,711	90%	90%	100%	3,501	208	1
1953	1 W	986	20	3	176	38	545	72	617	281	7	1,353	1,360	555	1,941	2,496	54%	54%	100%	2,240	242	14
1954	2 AN	983	22	3	188	41	590	78	669	252	7	1,260	1,267	601	1,840	2,441	58%	58%	100%	2,426	1	14
1955	4 D	993	17	3	155	34	485	64	549	207	6	1,035	1,041	494	1,512	2,006	48%	48%	100%	1,993	1	12
1956	1 W	993	32	5	284	61	1,142	117	1,259	326	14	1,819	1,833	1,161	2,638	3,799	87%	87%	100%	3,377	1	420
1957	2 AN	983	20	3	181	39	554	74	627	283	7	1,365	1,372	564	1,961	2,525	55%	55%	100%	2,275	233	17
1958	1 W	959	34	5	293	67	966	128	1,094	357	12	1,742	1,754	983	2,621	3,604	95%	95%	100%	3,593	1	9
1959	3 BN	990	18	3	151	34	490	65	555	218	6	1,120	1,126	499	1,606	2,105	48%	48%	100%	2,009	86	10
1960	4 D	983	18	3	167	37	533	71	603	227	7	1,137	1,143	542	1,657	2,199	53%	53%	100%	2,188	1	10
1961	4 D	983	22	4	182	44	632	84	715	259	8	1,310	1,317	643	1,900	2,543	62%	62%	100%	2,534	1	8
1962	3 BN	983	21	3	194	43	616	82	697	266	8	1,333	1,341	627	1,939	2,565	61%	61%	100%	2,506	47	12
1963	1 W	967	22	3	198	42	605	80	685	260	8	1,303	1,310	616	1,905	2,521	60%	60%	100%	2,482	21	19
1964	4 D	989	24	4	208	46	661	88	749	261	8	1,334	1,343	673	1,961	2,634	65%	65%	100%	2,615	5	14
1965	1 W	987	27	4	233	51	740	98	838	292	9	1,503	1,512	753	2,204	2,958	73%	73%	100%	2,844	99	14
1966	3 BN	987	23	3	198	43	616	82	698	297	8	1,450	1,458	627	2,093	2,720	61%	61%	100%	2,510	195	15
1967	1 W	983	29	4	249	55	794	105	900	297	10	1,545	1,555	809	2,281	3,090	78%	78%	100%	3,054	21	15
1968	3 BN	983	23	3	188	41	597	79	676	297	7	1,438	1,445	607	2,066	2,674	59%	59%	100%	2,452	210	12
1969	1 W	983	36	6	298	70	1,014	135	1,148	375	13	2,013	2,025	1,032	2,928	3,960	100%	100%	100%	3,896	2	61
1970	1 W	983	25	4	226	49	708	94	802	317	9	1,572	1,581	721	2,283	3,003	70%	70%	100%	2,720	267	16
1971	1 W	985	24	4	204	45	643	85	728	297	8	1,466	1,474	654	2,121	2,775	63%	63%	100%	2,574	187	14
1972	3 BN	992	22	3	194	41	590	78	668	264	7	1,311	1,318	601	1,909	2,510	58%	58%	100%	2,424	66	19
1973	2 AN	982	25	4	221	49	699	93	792	261	9	1,354	1,362	711	2,003	2,714	69%	69%	100%	2,697	1	16
1974	1 W	982	30	5	257	57	819	109	927	338	10	1,710	1,720	834	2,500	3,334	81%	81%	100%	3,147	171	15
1975	1 W	982	26	4	225	50	717	95	812	309	9	1,550	1,559	730	2,255	2,985	71%	71%	100%	2,755	217	13
1976	5 C	1,021	21	3	184	41	584	78	662	287	7	1,396	1,403	595	2,006	2,600	58%	58%	100%	2,400	189	11
1977	5 C	366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	1	2
1978	2 AN	983	26	4	219	51	739	98	837	272	9	1,422	1,431	752	2,088	2,840	73%	73%	100%	2,838	0	2
1979	3 BN	982	27	4	233	52	744	99	842	314	9	1,585	1,595	757	2,310	3,067	73%	73%	100%	2,858	195	14
1980	2 AN	986	32	5	261	61	879	117	995	354	11	1,854	1,865	894	2,679	3,573	87%	87%	100%	3,377	137	59
1981	4 D	983	20	3	180	39	557	74	631	285	7	1,372	1,379	567	1,969	2,536	55%	55%	100%	2,289	233	15
1982	1 W	967	35	6	310	70	1,085	135	1,219	384	15	1,983	1,997	1,105	2,916	4,022	100%	100%	100%	3,894	1	126
1983	1 W	963	37	6	319	70	1,424	135	1,558	417	16	2,114	2,130	1,445	3,091	4,536	100%	100%	100%	3,896	91	549
1984	1 W	982																				

Table WS-SWP-3k

		No Action Alternative																			
		State Water Project (SWP) Contract Deliveries																			
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region		San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region			Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region		South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Deliveries
		FRSA Settlement	M&I Service		Ag Service	M&I Service	M&I Service	M&I Service	Ag Service	M&I Service	Total	M&I Service	Ag Service	M&I Service	Total	Ag Service	M&I Service	Total			
		(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)			
AVG:		950	23	4	199	44	658	84	742	267	8	1,353	1,361	670	1,969	2,639					
MIN:		366	6	1	53	12	171	23	193	74	2	361	363	174	528	702					
MAX:		1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536					
DP:	29-34, 76-77	831	12	2	109	24	359	45	404	149	5	763	767	366	1,102	1,468					
AVG:	W	976	29	5	252	56	858	108	965	331	11	1,689	1,700	873	2,466	3,338					
	AN	983	25	4	218	48	714	93	807	282	9	1,447	1,456	727	2,113	2,840					
	BN	981	23	4	207	45	669	86	755	284	8	1,432	1,440	681	2,078	2,758					
	D	986	19	3	172	38	558	73	631	236	7	1,190	1,197	568	1,727	2,296					
	C	772	11	2	97	21	312	40	352	138	4	692	695	318	998	1,316					

Rank	Probability of	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region	South Lahontan Hydrologic Region	South Coast Hydrologic Region	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Deliveries					
1	0.0%	1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536
2	1.3%	1,016	36	6	310	70	1,176	135	1,279	417	15	2,114	2,130	1,194	3,091	4,133
3	2.5%	994	36	6	308	70	1,142	135	1,259	393	14	2,013	2,025	1,161	2,928	4,022
4	3.8%	993	35	6	298	70	1,085	135	1,219	384	14	1,983	1,997	1,105	2,916	3,960
5	5.0%	993	34	5	293	67	1,015	128	1,150	382	13	1,970	1,982	1,033	2,864	3,814
6	6.3%	992	33	5	284	65	1,014	124	1,148	375	13	1,915	1,927	1,032	2,783	3,799
7	7.5%	990	32	5	279	63	980	121	1,096	361	12	1,915	1,926	997	2,745	3,711
8	8.8%	989	32	5	279	61	969	117	1,094	357	12	1,854	1,865	985	2,679	3,669
9	10.0%	989	32	5	270	61	966	117	1,072	354	12	1,836	1,848	983	2,673	3,642
10	11.3%	989	31	5	264	61	933	117	1,056	350	12	1,819	1,833	949	2,638	3,640
11	12.5%	989	31	5	261	61	911	117	1,032	345	12	1,747	1,758	928	2,621	3,604
12	13.8%	988	31	5	261	60	910	114	1,018	338	11	1,742	1,754	925	2,554	3,573
13	15.0%	987	30	5	260	58	907	111	1,010	326	11	1,710	1,720	923	2,500	3,477
14	16.3%	987	30	5	257	57	879	109	995	319	11	1,686	1,700	894	2,448	3,334
15	17.5%	987	30	5	255	57	879	109	995	319	11	1,658	1,669	894	2,437	3,314
16	18.8%	987	29	5	255	56	862	107	976	317	11	1,645	1,656	877	2,416	3,280
17	20.0%	987	29	4	250	55	819	105	928	314	10	1,590	1,600	834	2,332	3,249
18	21.3%	986	29	4	249	54	819	103	927	312	10	1,585	1,595	834	2,310	3,206
19	22.5%	986	28	4	247	54	809	103	917	312	10	1,576	1,587	824	2,295	3,156
20	23.8%	986	27	4	241	53	794	100	900	309	10	1,572	1,581	809	2,283	3,090
21	25.0%	986	27	4	233	52	751	100	851	309	9	1,569	1,581	765	2,281	3,067
22	26.3%	985	27	4	233	52	744	99	842	306	9	1,550	1,559	757	2,280	3,003
23	27.5%	985	27	4	232	52	744	99	842	304	9	1,545	1,555	757	2,255	2,985
24	28.8%	985	27	4	232	52	743	99	841	300	9	1,542	1,551	756	2,241	2,958
25	30.0%	984	26	4	230	51	740	98	838	300	9	1,532	1,541	753	2,223	2,947
26	31.3%	984	26	4	227	51	739	98	837	300	9	1,503	1,512	752	2,204	2,932
27	32.5%	984	26	4	226	51	737	98	835	297	9	1,495	1,503	750	2,171	2,920
28	33.8%	984	26	4	225	50	721	96	817	297	9	1,494	1,503	734	2,170	2,897
29	35.0%	983	26	4	225	50	717	95	812	297	9	1,493	1,501	730	2,167	2,870
30	36.3%	983	25	4	221	49	708	94	802	297	9	1,493	1,501	721	2,163	2,869
31	37.5%	983	25	4	221	49	699	93	792	292	9	1,477	1,486	711	2,163	2,853
32	38.8%	983	25	4	220	48	696	92	788	292	9	1,466	1,474	709	2,133	2,850
33	40.0%	983	25	4	219	48	693	92	785	292	9	1,458	1,466	706	2,121	2,846
34	41.3%	983	25	4	217	48	692	92	784	290	9	1,450	1,458	705	2,116	2,840
35	42.5%	983	24	4	214	48	686	91	777	287	9	1,446	1,455	698	2,114	2,830
36	43.8%	983	24	4	213	47	679	90	769	287	9	1,438	1,447	691	2,112	2,803
37	45.0%	983	24	4	212	47	674	90	764	285	8	1,438	1,445	687	2,098	2,788
38	46.3%	983	24	4	210	47	671	89	760	283	8	1,432	1,441	683	2,093	2,787
39	47.5%	983	24	4	209	46	667	89	756	282	8	1,430	1,439	679	2,088	2,775
40	48.8%	983	24	4	208	46	661	88	749	281	8	1,422	1,431	673	2,066	2,720
41	50.0%	983	24	4	208	46	660	88	747	281	8	1,404	1,412	672	2,053	2,714
42	51.3%	983	24	4	204	46	655	87	742	280	8	1,396	1,403	667	2,021	2,682
43	52.5%	983	23	4	203	45	643	85	728	277	8	1,387	1,397	654	2,006	2,674
44	53.8%	983	23	4	198	44	633	84	715	275	8	1,372	1,379	644	2,003	2,658
45	55.0%	983	23	4	198	44	632	83	711	274	8	1,365	1,372	643	1,983	2,634
46	56.3%	983	22	3	198	43	627	82	707	272	8	1,354	1,362	639	1,969	2,620
47	57.5%	983	22	3	194	43	616	82	698	269	8	1,353	1,360	627	1,967	2,600
48	58.8%	983	22	3	194	42	616	80	697	266	8	1,347	1,355	627	1,961	2,565
49	60.0%	983	22	3	193	41	605	79	685	266	8	1,343	1,351	616	1,961	2,551
50	61.3%	983	22	3	191	41	597	79	676	264	7	1,334	1,343	607	1,941	2,543
51	62.5%	983	22	3	188	41	595	78	674	261	7	1,333	1,341	606	1,939	2,536
52	63.8%	983	21	3	188	41	590	78	669	261	7	1,325	1,332	601	1,912	2,525
53	65.0%	983	21	3	186	41	590	78	668	260	7	1,311	1,318	601	1,909	2,521
54	66.3%	983	20	3	184	41	588	78	666	260	7	1,310	1,317	598	1,905	2,510
55	67.5%	982	20	3	182	39	584	75	662	260	7	1,308	1,314	595	1,900	2,496
56	68.8%	982	20	3	181	39	557	74	631	260	7	1,306	1,314	567	1,894	2,461
57	70.0%	982	20	3	180	39	554	74	627	259	7	1,303	1,310	564	1,883	2,461
58	71.3%	982	20	3	176	38	553	73	627	259	7	1,270	1,277	563	1,855	2,446
59	72.5%	982	19	3	176	38	545	72	617	259	7	1,260	1,267	555	1,840	2,441
60	73.8%	982	19	3	167	37	541	71	603	254	7	1,257	1,263	550	1,817	2,426
61	75.0%	982	18	3	163	36	533	69	595	252	7	1,253	1,260	542	1,802	2,327
62	76.3%	982	18	3	163	36	531	68	592	240	7	1,252	1,260	540	1,796	2,313
63	77.5%	982	18	3	162	35	522	67	584	227	7	1,137	1,143	532	1,657	2,199
64	78.8%	982	18	3	155	35	516	66	583	218	6	1,120	1,126	525	1,606	2,105
65	80.0%	982	17	3	154	34	507	65	575	213	6	1,063	1,069	517	1,547	2,055
66	81.3%	982	17	3	151	34	498	64	565	207	6	1,035	1,041	507	1,512	2,006
67	82.5%	981	17	3	149	34	490	64	555	206	6	1,032	1,038	499	1,502	1,995
68	83.8%	971	17	3	144	34	485	64	549	206	6	1,030	1,036	494	1,494	1,985
69	85.0%	967	15	2	140	29	484	55	548	183	6	973	980	493	1,384	1,934
70	86.3%	967	14	2	137	29	483	52	547	176	6	944				

Table WS-CVP-3a

Alternative A
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period ¹	63%	49%	86%	80%	97%	97%	97%
Water Year Types ²							
Wet (32%)	94%	78%	99%	94%	100%	100%	100%
Above Normal (15%)	86%	58%	97%	84%	100%	100%	100%
Below Normal (17%)	61%	41%	87%	77%	100%	100%	100%
Dry (22%)	41%	34%	78%	74%	99%	99%	99%
Critical (15%)	11%	10%	59%	58%	83%	85%	83%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period ¹	1,167	519	1,686	2,795	566
Water Year Types ²					
Wet (32%)	1,823	530	2,354	2,806	591
Above Normal (15%)	1,435	525	1,960	2,824	582
Below Normal (17%)	1,004	517	1,522	2,855	588
Dry (22%)	807	521	1,328	2,840	567
Critical (15%)	228	487	715	2,606	469

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period ¹	432	44	90
Water Year Types ²			
Wet (32%)	454	62	76
Above Normal (15%)	444	50	88
Below Normal (17%)	451	53	84
Dry (22%)	432	32	104
Critical (15%)	355	6	109

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-3a
Alternative A
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	222	212	1,943	296	16	852	37	291	612
Water Year Types²									
Wet (32%)	327	241	1,931	471	18	875	58	271	967
Above Normal (15%)	306	240	1,949	351	17	875	43	267	735
Below Normal (17%)	217	217	1,980	245	15	875	30	285	512
Dry (22%)	147	193	1,977	205	15	864	25	313	429
Critical (15%)	38	148	1,865	59	12	741	7	327	124

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	159	1	26	261	35	52	12	8	12
Water Year Types²									
Wet (32%)	173	1	26	269	49	40	12	12	9
Above Normal (15%)	163	1	27	269	39	49	12	9	12
Below Normal (17%)	170	1	27	269	42	46	12	10	11
Dry (22%)	154	1	27	265	25	62	12	6	15
Critical (15%)	120	0	23	224	5	69	10	1	17

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative A
6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
	Long-term
Full Simulation Period ¹	0
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-3b

**No Action Alternative
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period ¹	60%	48%	85%	79%	97%	97%	97%
Water Year Types²							
Wet (32%)	93%	77%	99%	93%	100%	100%	100%
Above Normal (15%)	84%	58%	96%	84%	100%	100%	100%
Below Normal (17%)	55%	39%	84%	76%	100%	100%	100%
Dry (22%)	37%	31%	77%	73%	99%	99%	99%
Critical (15%)	10%	10%	58%	58%	83%	85%	83%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period ¹	1,138	516	1,654	2,786	562
Water Year Types²					
Wet (32%)	1,820	530	2,350	2,801	587
Above Normal (15%)	1,423	521	1,944	2,817	577
Below Normal (17%)	952	509	1,461	2,849	583
Dry (22%)	732	518	1,250	2,835	564
Critical (15%)	224	486	711	2,578	465

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type**

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period ¹	428	0	134
Water Year Types²			
Wet (32%)	450	0	137
Above Normal (15%)	440	0	137
Below Normal (17%)	445	0	137
Dry (22%)	429	0	136
Critical (15%)	350	0	115

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-3b
No Action Alternative
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	213	211	1,934	290	16	852	36	290	599
Water Year Types²									
Wet (32%)	323	241	1,927	470	18	875	58	271	968
Above Normal (15%)	297	238	1,942	353	17	875	43	266	730
Below Normal (17%)	197	210	1,974	235	15	875	29	284	491
Dry (22%)	131	192	1,971	188	14	864	23	312	390
Critical (15%)	36	148	1,837	60	11	741	7	327	122

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	155	0	27	261	0	86	12	0	20
Water Year Types²									
Wet (32%)	168	0	28	269	0	89	12	0	21
Above Normal (15%)	159	0	28	269	0	89	12	0	21
Below Normal (17%)	164	0	28	269	0	89	12	0	21
Dry (22%)	151	0	27	265	0	87	12	0	21
Critical (15%)	116	0	23	224	0	74	10	0	18

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
	Long-term
Full Simulation Period ¹	0
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-3c

Difference: Alternative A minus No Action Alternative

1-Central Valley Project (CVP) Allocation

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period ¹	3%	1%	1%	0%	0%	0%	0%
Water Year Types ²							
Wet (32%)	1%	0%	0%	0%	0%	0%	0%
Above Normal (15%)	2%	0%	1%	0%	0%	0%	0%
Below Normal (17%)	6%	2%	4%	1%	0%	0%	0%
Dry (22%)	4%	3%	1%	0%	0%	0%	0%
Critical (15%)	1%	0%	1%	0%	0%	0%	0%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative A minus No Action Alternative

2-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period ¹	29	3	32	9	4
Water Year Types ²					
Wet (32%)	4	1	4	5	4
Above Normal (15%)	12	4	16	7	5
Below Normal (17%)	52	8	61	6	6
Dry (22%)	75	3	78	5	3
Critical (15%)	4	1	5	28	5

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative A minus No Action Alternative

3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period ¹	4	44	-44
Water Year Types ²			
Wet (32%)	4	62	-62
Above Normal (15%)	5	50	-50
Below Normal (17%)	6	53	-53
Dry (22%)	3	32	-32
Critical (15%)	5	6	-6

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-3c
Difference: Alternative A minus No Action Alternative
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	10	2	9	6	0	0	1	1	13
Water Year Types²									
Wet (32%)	4	0	5	1	0	0	0	0	-1
Above Normal (15%)	9	2	7	-1	0	0	0	1	5
Below Normal (17%)	20	7	6	10	0	0	1	1	21
Dry (22%)	16	2	5	17	0	0	2	1	40
Critical (15%)	2	0	28	-1	0	0	0	1	2

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative A minus No Action Alternative
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	4	1	-1	0	35	-35	0	8	-8
Water Year Types²									
Wet (32%)	4	1	-1	0	49	-49	0	12	-12
Above Normal (15%)	5	1	-1	0	39	-39	0	9	-9
Below Normal (17%)	6	1	-1	0	42	-42	0	10	-10
Dry (22%)	3	1	-1	0	25	-25	0	6	-6
Critical (15%)	5	0	0	0	5	-5	0	1	-1

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative A minus No Action Alternative

6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
	Long-term
Full Simulation Period	0
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-3d

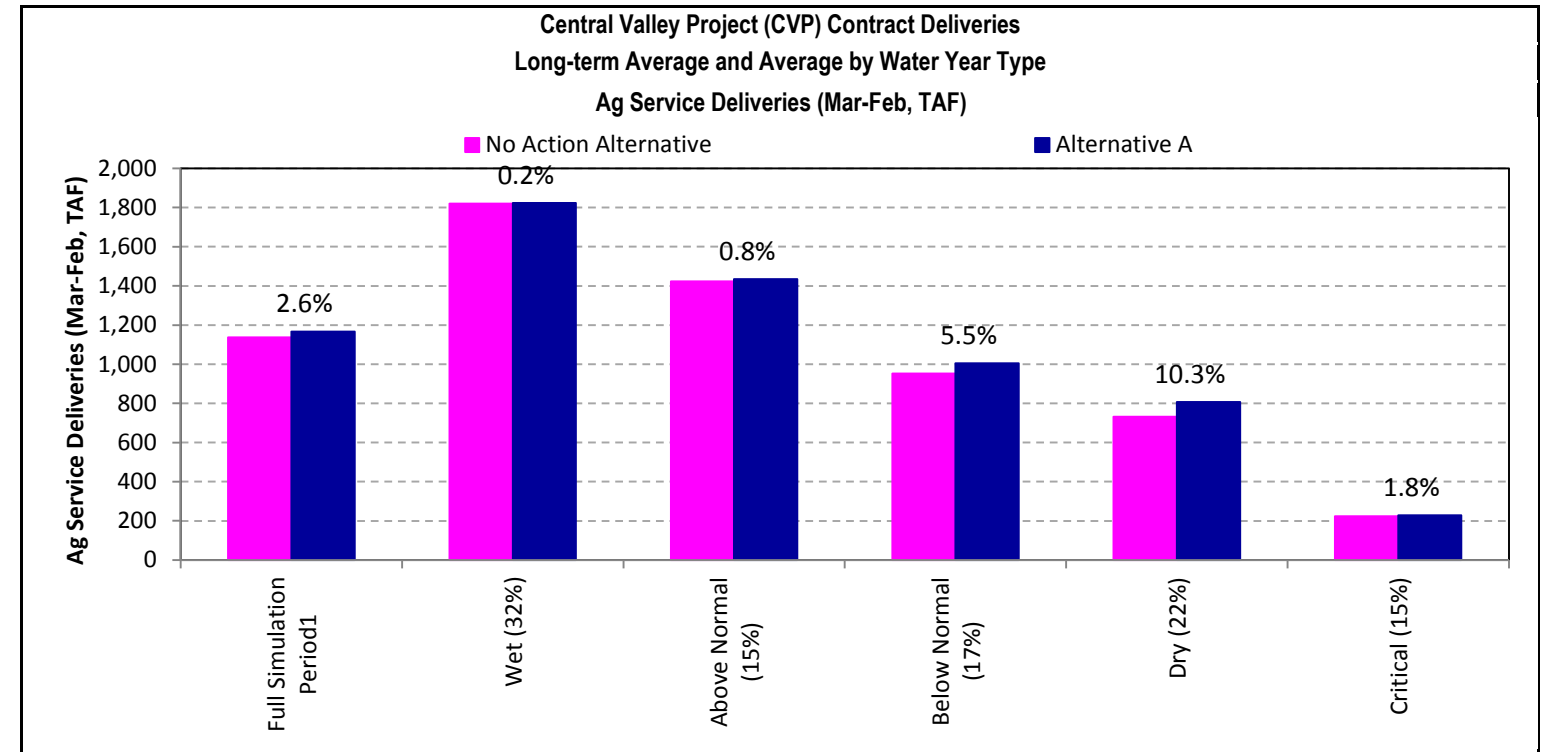
Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	SOD Ag Service Allocation (EO		Ag Service Deliveries (Mar-Feb, TAF)
	Ag Service Allocation (EO May)	May)	
Long-term			
Full Simulation Period¹			
No Action Alternative	60%	48%	1,138
Alternative A	63%	49%	1,167
Difference	3%	1%	29
Percent Difference ³			2.6%
Water Year Types²			
Wet (32%)			
No Action Alternative	93%	77%	1,820
Alternative A	94%	78%	1,823
Difference	1%	0%	4
Percent Difference			0.2%
Above Normal (15%)			
No Action Alternative	84%	58%	1,423
Alternative A	86%	58%	1,435
Difference	2%	0%	12
Percent Difference			0.8%
Below Normal (17%)			
No Action Alternative	55%	39%	952
Alternative A	61%	41%	1,004
Difference	6%	2%	52
Percent Difference			5.5%
Dry (22%)			
No Action Alternative	37%	31%	732
Alternative A	41%	34%	807
Difference	4%	3%	75
Percent Difference			10.3%
Critical (15%)			
No Action Alternative	10%	10%	224
Alternative A	11%	10%	228
Difference	1%	0%	4
Percent Difference			1.8%

¹ Based on the 82-year simulation period

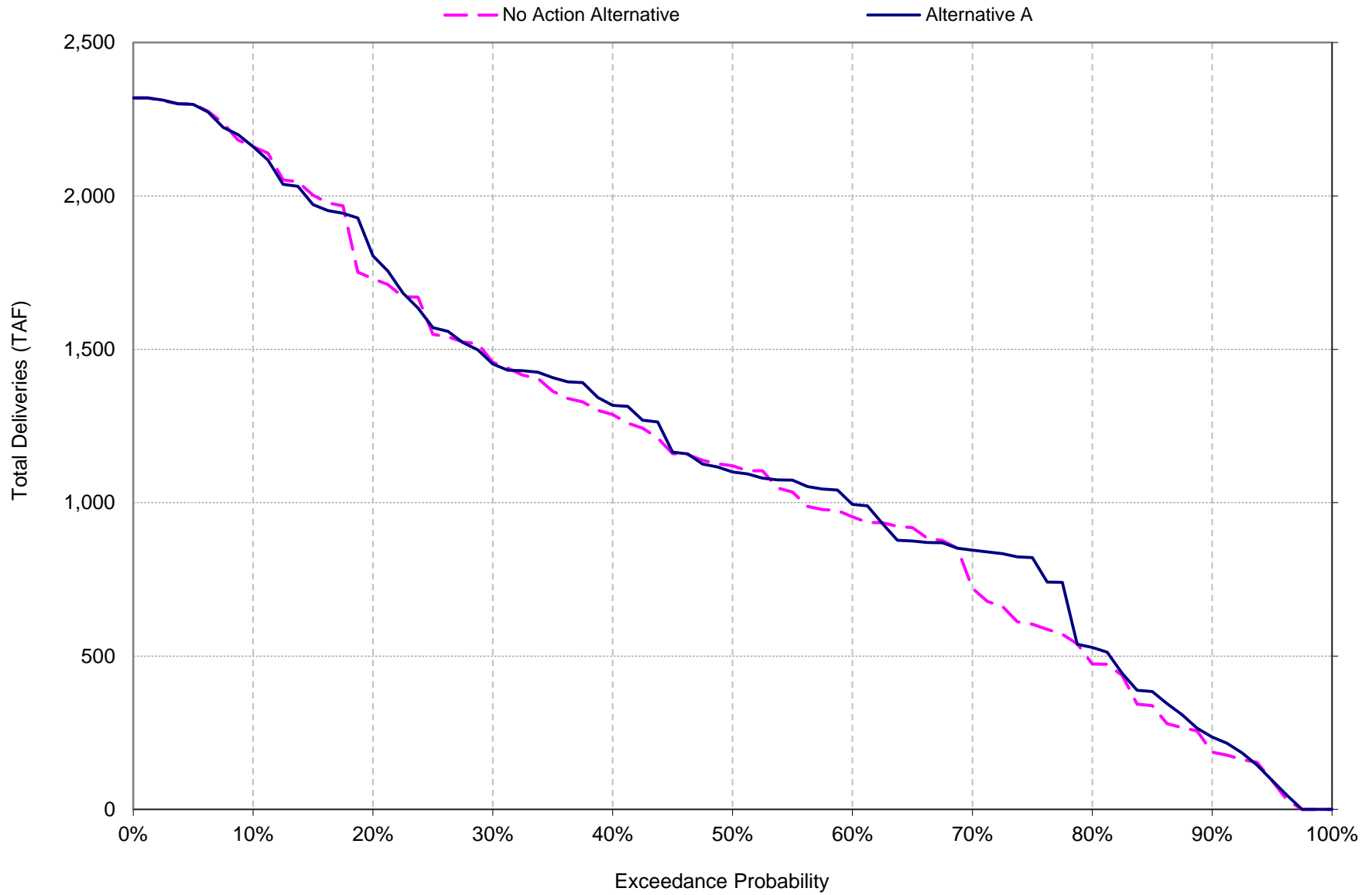
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-3e
Central Valley Project (CVP) Total Ag Service Contract Deliveries
Probability Exceedance Chart



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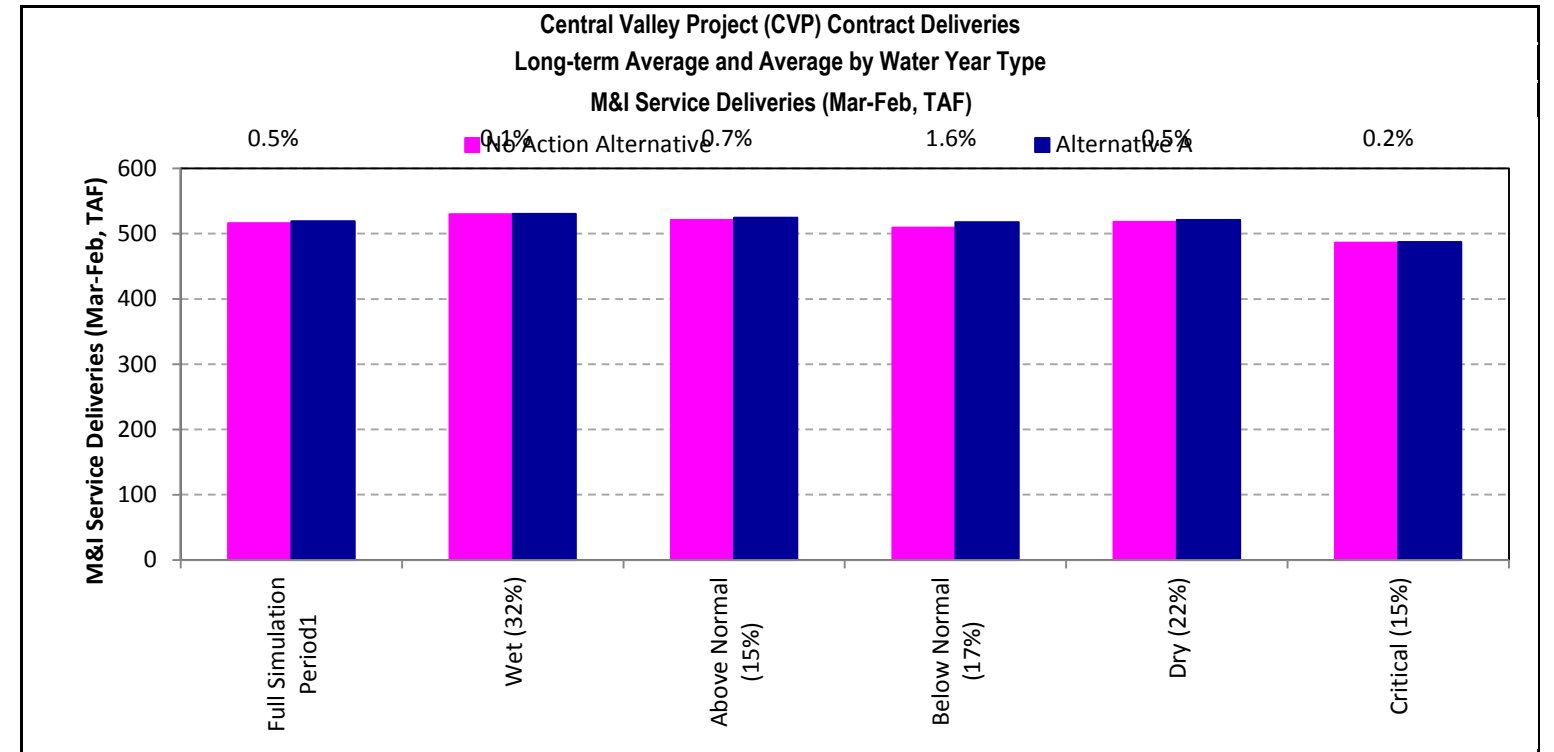
Table WS-CVP-3f

Central Valley Project (CVP) Contract Deliveries Long-term Average and Average by Water Year Type			
Analysis Period	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	M&I Service Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period¹			
No Action Alternative	85%	79%	516
Alternative A	86%	80%	519
Difference	1%	0%	3
Percent Difference ³			0.5%
Water Year Types²			
Wet (32%)			
No Action Alternative	99%	93%	530
Alternative A	99%	94%	530
Difference	0%	0%	1
Percent Difference			0.1%
Above Normal (15%)			
No Action Alternative	96%	84%	521
Alternative A	97%	84%	525
Difference	1%	0%	4
Percent Difference			0.7%
Below Normal (17%)			
No Action Alternative	84%	76%	509
Alternative A	87%	77%	517
Difference	4%	1%	8
Percent Difference			1.6%
Dry (22%)			
No Action Alternative	77%	73%	518
Alternative A	78%	74%	521
Difference	1%	0%	3
Percent Difference			0.5%
Critical (15%)			
No Action Alternative	58%	58%	486
Alternative A	59%	58%	487
Difference	1%	0%	1
Percent Difference			0.2%

¹ Based on the 82-year simulation period

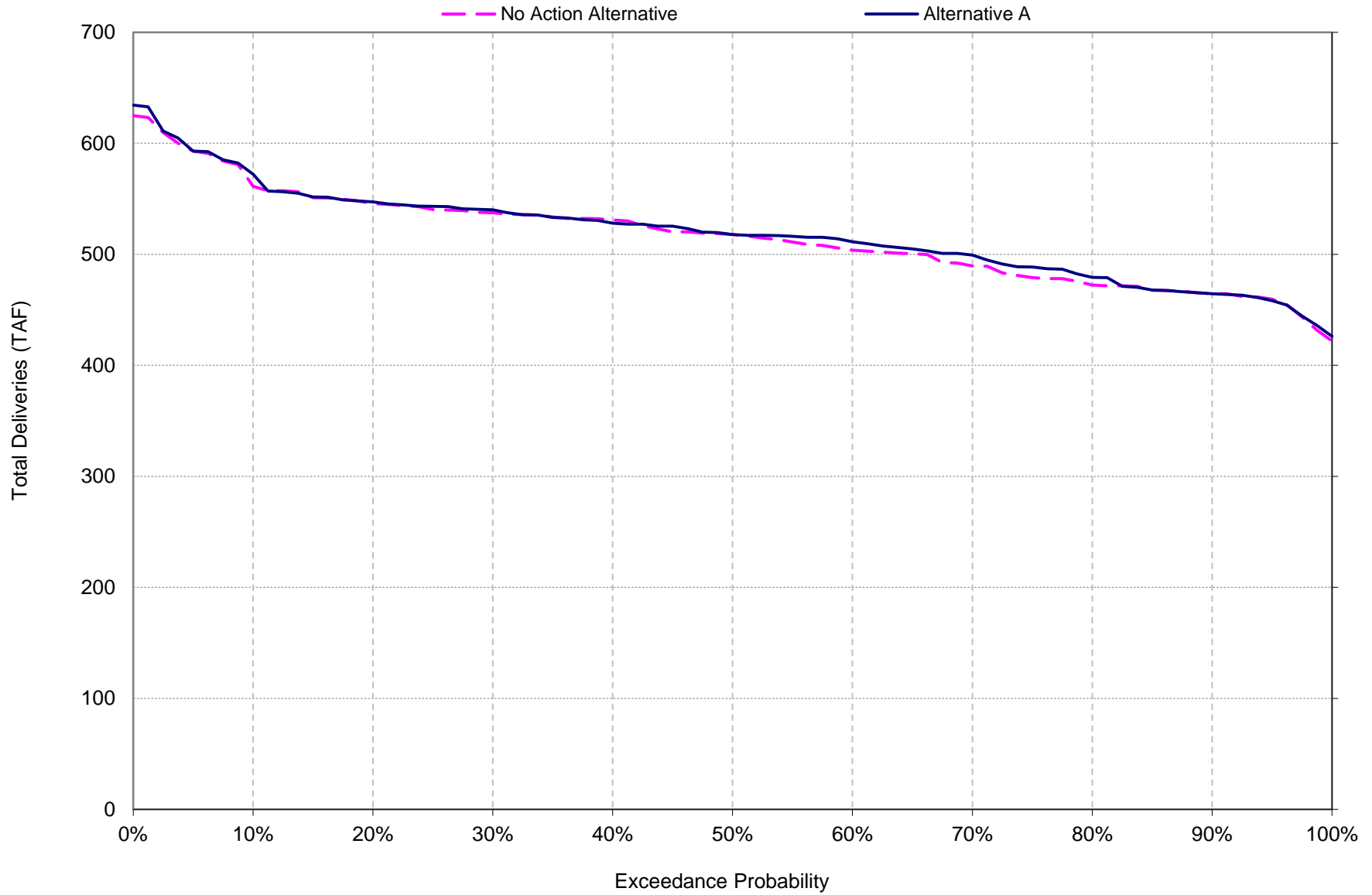
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-3g
Central Valley Project (CVP) Total M&I Service Contract Deliveries
Probability Exceedance Chart



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Table WS-CVP-3h

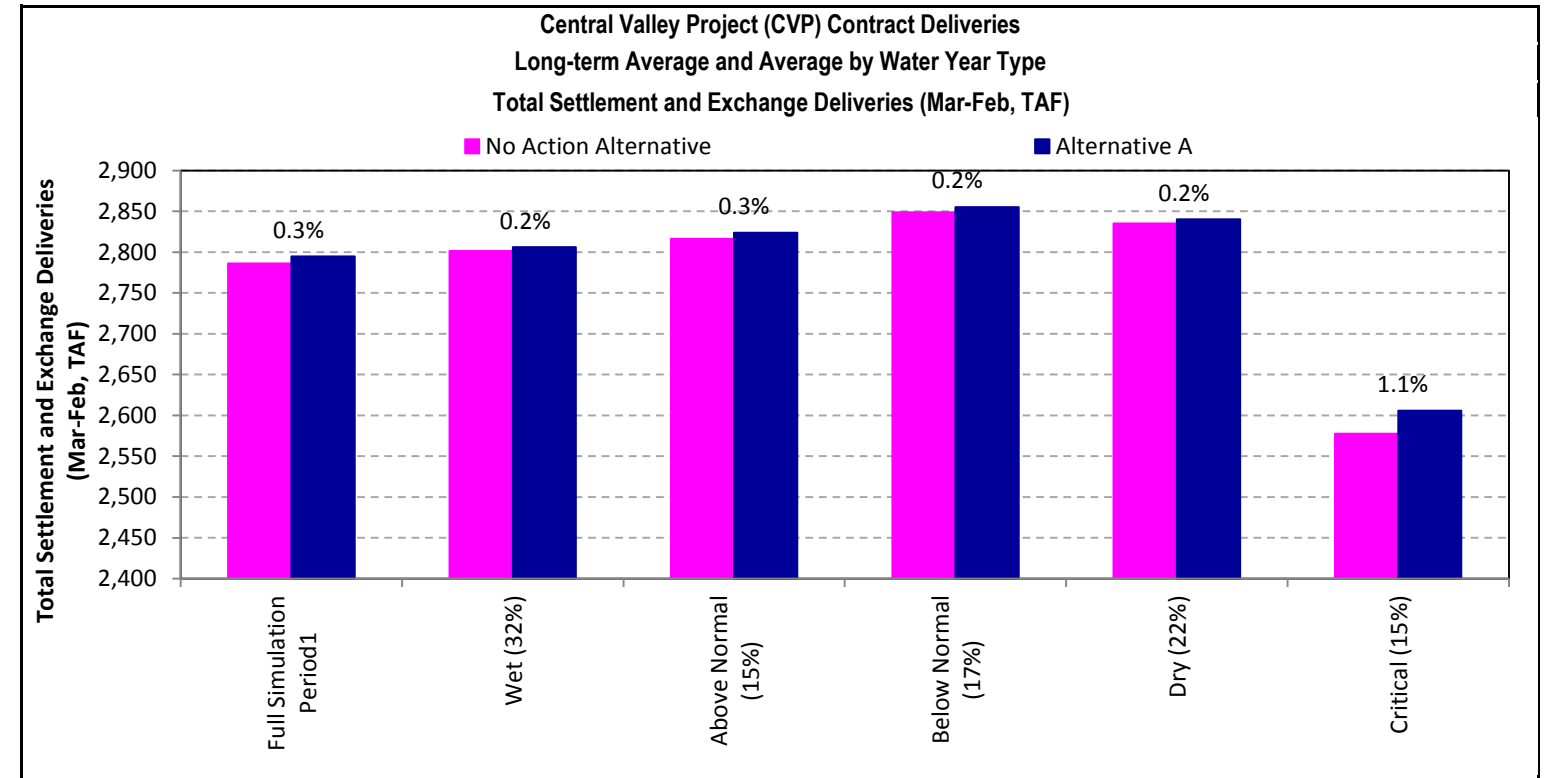
Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period¹			
No Action Alternative	97%	97%	2,786
Alternative A	97%	97%	2,795
Difference	0%	0%	9
Percent Difference ³			0.3%
Water Year Types²			
Wet (32%)			
No Action Alternative	100%	100%	2,801
Alternative A	100%	100%	2,806
Difference	0%	0%	5
Percent Difference			0.2%
Above Normal (15%)			
No Action Alternative	100%	100%	2,817
Alternative A	100%	100%	2,824
Difference	0%	0%	7
Percent Difference			0.3%
Below Normal (17%)			
No Action Alternative	100%	100%	2,849
Alternative A	100%	100%	2,855
Difference	0%	0%	6
Percent Difference			0.2%
Dry (22%)			
No Action Alternative	99%	99%	2,835
Alternative A	99%	99%	2,840
Difference	0%	0%	5
Percent Difference			0.2%
Critical (15%)			
No Action Alternative	83%	85%	2,578
Alternative A	83%	85%	2,606
Difference	0%	0%	28
Percent Difference			1.1%

¹ Based on the 82-year simulation period

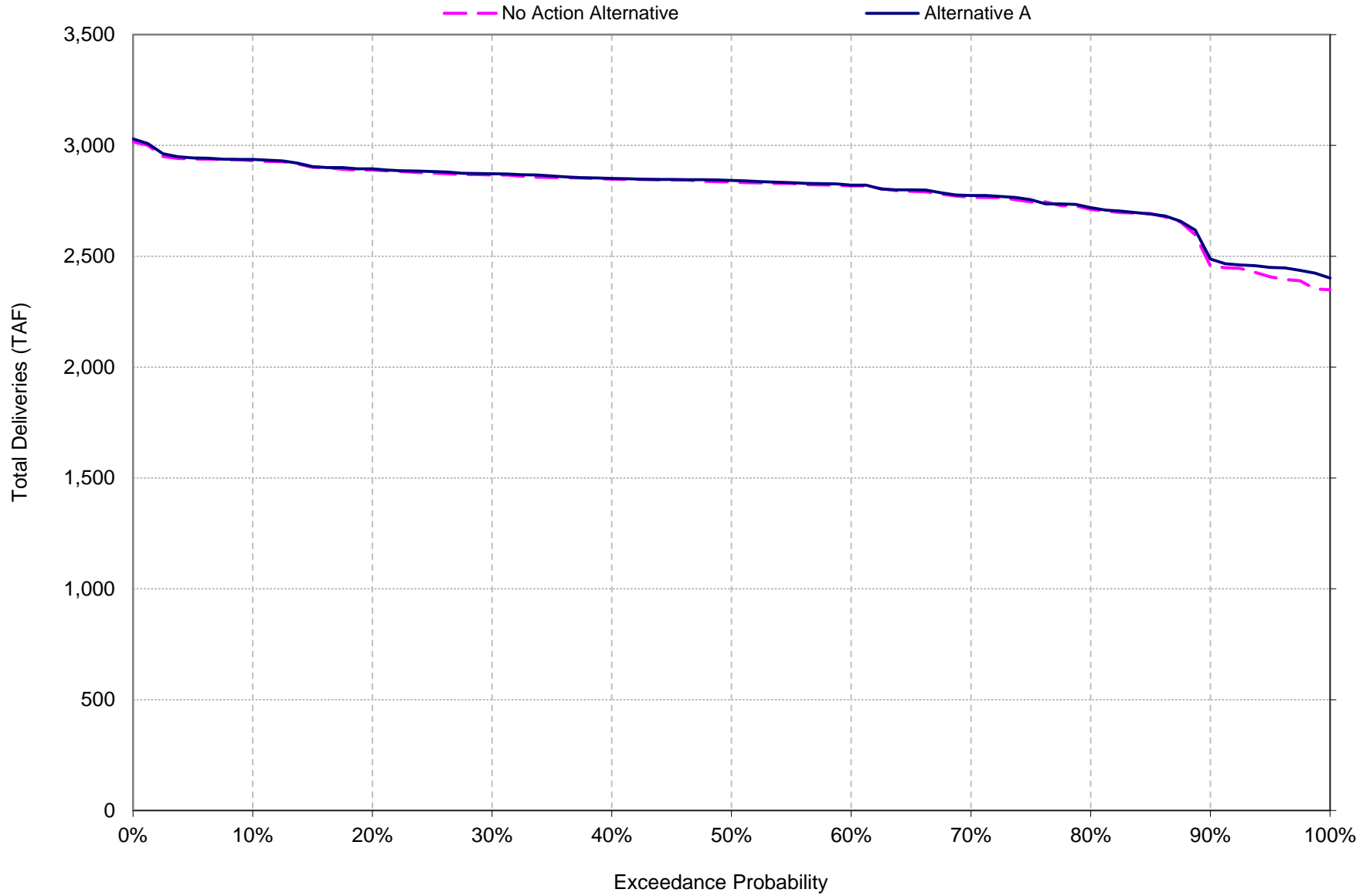
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-3i
Central Valley Project (CVP) Settlement and Exchange Contract Deliveries
Probability Exceedance Chart

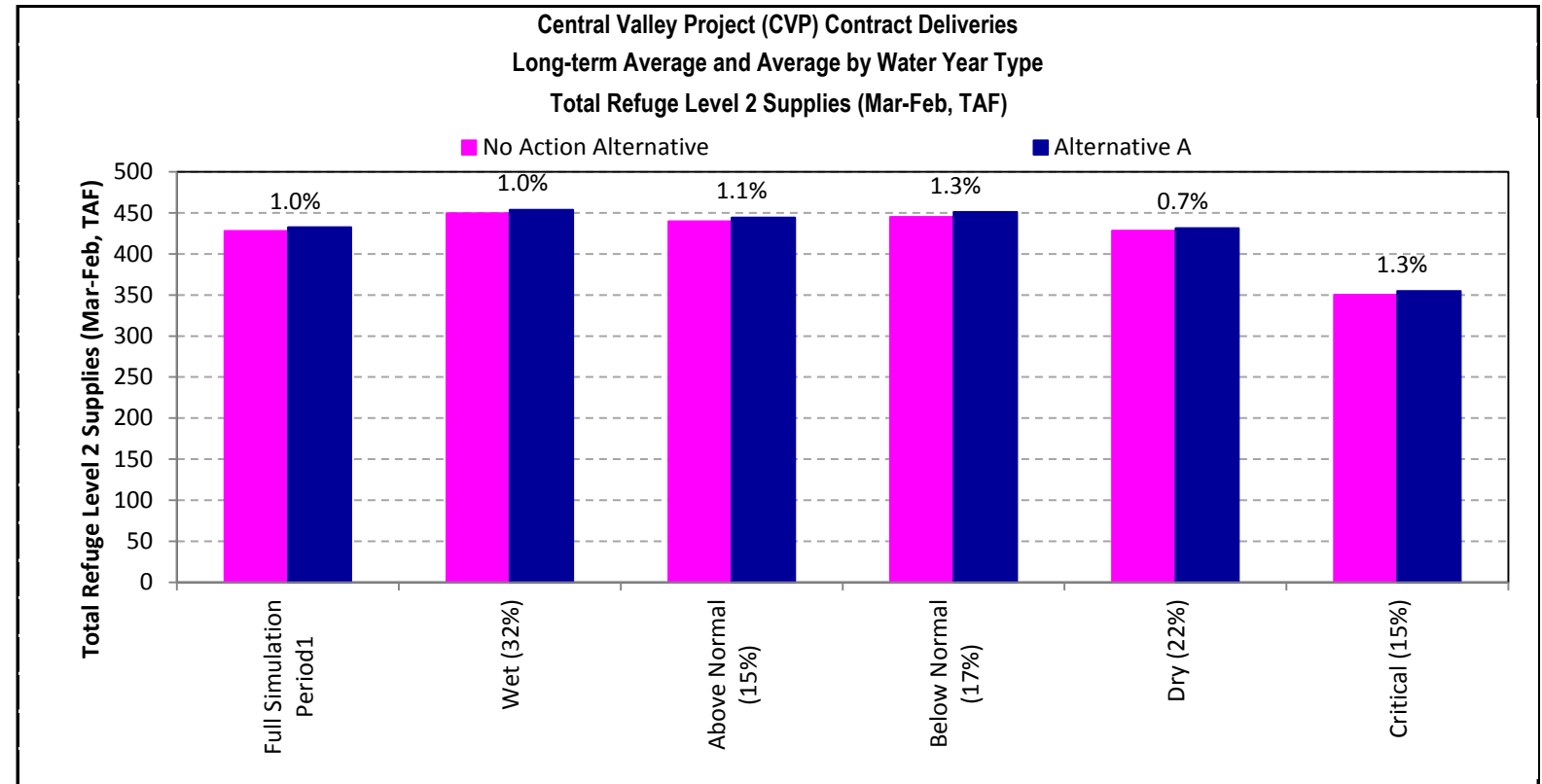


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Table WS-CVP-3j

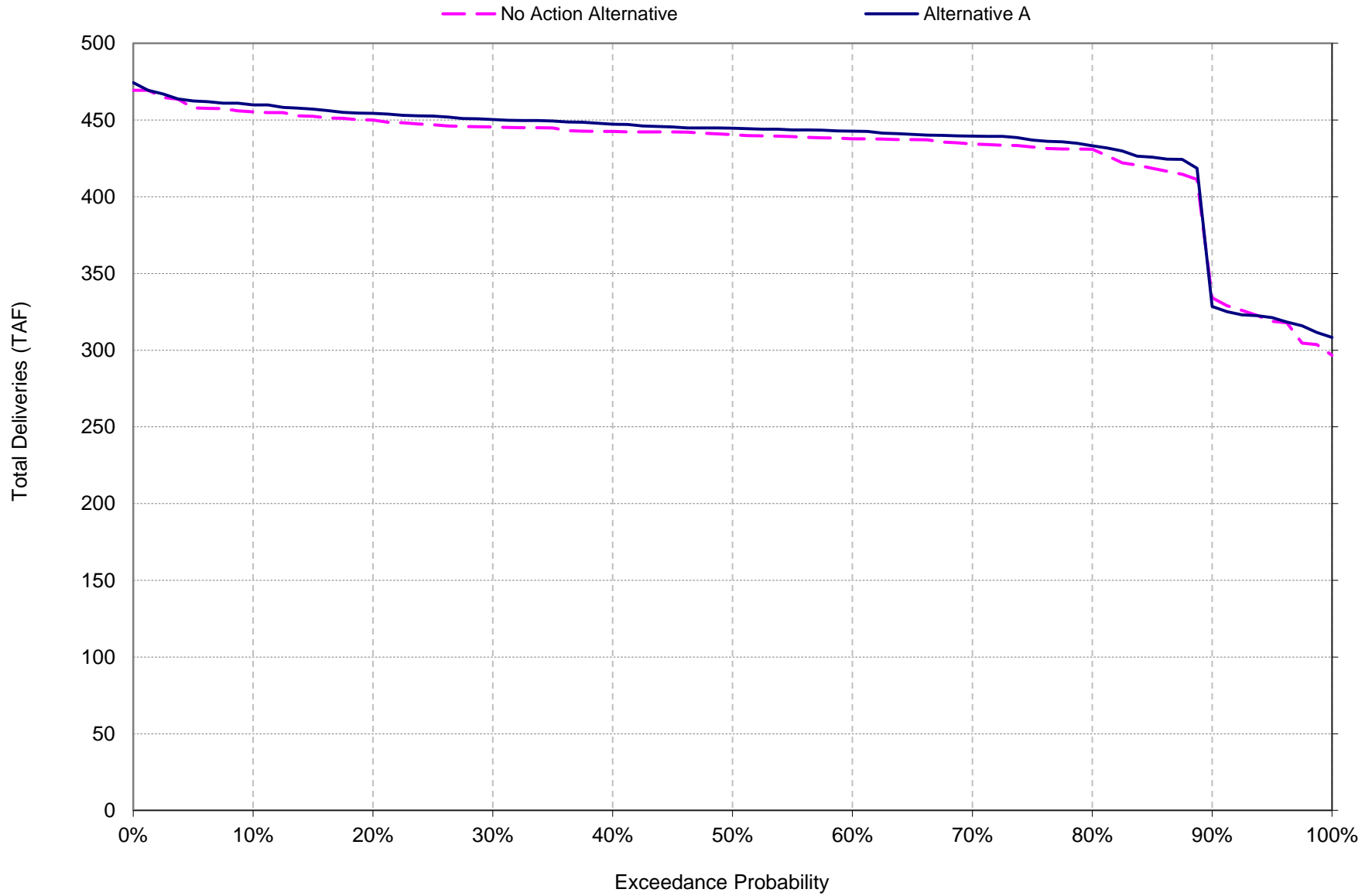
Central Valley Project (CVP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	Refuge Level 2 Contract Allocation (EO May)	Total Refuge Level 2 Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	97%	428
Alternative A	97%	432
Difference	0%	4
Percent Difference ³		1.0%
Water Year Types²		
Wet (32%)		
No Action Alternative	100%	450
Alternative A	100%	454
Difference	0%	4
Percent Difference		1.0%
Above Normal (15%)		
No Action Alternative	100%	440
Alternative A	100%	444
Difference	0%	5
Percent Difference		1.1%
Below Normal (17%)		
No Action Alternative	100%	445
Alternative A	100%	451
Difference	0%	6
Percent Difference		1.3%
Dry (22%)		
No Action Alternative	99%	429
Alternative A	99%	432
Difference	0%	3
Percent Difference		0.7%
Critical (15%)		
No Action Alternative	83%	350
Alternative A	83%	355
Difference	0%	5
Percent Difference		1.3%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
³ Relative difference of the monthly average



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Figure WS-CVP-3k
Central Valley Project (CVP) Refuge Level 2 Supplies
Probability Exceedance Chart



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Table WS-CVP-3I

Alternative A

Central Valley Project (CVP) Contract Deliveries

Sacramento Valley 40-30-30 Index

Sacramento River Hydrologic Region

San Joaquin River Hydrologic Region

San Francisco Bay Hydrologic Region

Tulare Lake Hydrologic Region

Year	AN	BN	C	D	W	Sacramento River Hydrologic Region							San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region					
						Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total
						(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
1922	2					357	249	2,025	166	1	26	0	2,825	489	20	875	269	51	38	1,741	60	288	348	1,022	12	12	9	1,056
1923	3					239	219	2,007	164	1	27	0	2,658	259	15	875	269	37	52	1,506	32	261	293	543	12	8	13	576
1924	5					22	148	1,784	105	0	21	0	2,080	38	11	674	202	0	66	991	5	328	332	80	9	0	16	105
1925	4					199	194	1,862	159	0	28	0	2,442	329	16	875	269	0	89	1,578	41	281	322	693	12	0	21	727
1926	4					53	173	1,880	151	0	28	0	2,285	91	13	875	269	0	89	1,336	11	347	358	190	12	0	21	223
1927	1					357	245	1,971	163	1	27	0	2,763	377	17	875	269	35	54	1,627	46	263	309	790	12	8	13	823
1928	2					154	194	1,976	152	1	27	0	2,504	222	15	875	269	12	77	1,470	27	256	283	465	12	3	18	498
1929	5					0	133	2,045	143	0	28	0	2,350	0	10	875	269	4	85	1,242	0	324	324	0	12	0	21	33
1930	4					61	166	1,946	157	0	28	0	2,358	101	13	875	269	2	87	1,346	13	354	367	210	12	0	21	244
1931	5					33	161	1,787	101	0	21	0	2,103	57	12	674	202	0	66	1,010	7	263	270	119	9	0	16	144
1932	4					47	154	1,793	118	0	21	0	2,134	81	13	674	202	0	66	1,035	10	259	269	170	9	0	16	195
1933	5					7	128	1,814	111	0	21	0	2,081	12	10	674	202	0	66	964	2	325	327	25	9	0	16	50
1934	5					28	144	1,775	107	0	21	0	2,077	48	12	674	202	0	66	1,002	6	345	351	102	9	0	16	127
1935	3					74	180	1,895	173	0	28	0	2,350	113	14	875	269	0	89	1,359	15	251	266	241	12	0	21	275
1936	3					160	189	1,946	176	1	27	0	2,499	274	15	875	269	35	54	1,521	34	261	295	574	12	8	13	607
1937	3					134	207	1,953	193	1	27	0	2,516	223	15	875	269	49	40	1,470	28	260	288	466	12	12	9	499
1938	1					357	240	1,951	183	1	26	0	2,759	610	20	875	269	51	38	1,862	75	280	355	1,278	12	12	9	1,311
1939	4					127	187	2,154	145	0	27	0	2,641	217	15	875	269	19	70	1,464	27	383	410	453	12	3	18	486
1940	2					299	249	1,911	173	1	27	0	2,650	247	15	875	269	28	61	1,494	31	256	287	517	12	6	15	550
1941	1					329	248	1,806	172	1	27	0	2,582	531	20	875	269	51	38	1,783	66	280	345	1,112	12	12	9	1,145
1942	1					349	240	1,860	169	1	26	0	2,646	509	17	875	269	51	38	1,758	63	280	342	1,032	12	12	9	1,065
1943	1					278	243	1,982	164	1	26	0	2,695	474	20	875	269	51	38	1,727	58	280	338	994	12	12	9	1,028
1944	4					83	180	1,970	158	1	27	0	2,419	142	15	875	269	51	38	1,388	17	272	289	297	12	12	9	330
1945	3					233	223	1,923	173	1	26	0	2,580	373	17	875	269	51	38	1,623	46	275	321	779	12	12	9	813
1946	3					296	238	2,069	171	1	27	0	2,802	346	16	875	269	44	45	1,594	43	269	312	724	12	10	11	757
1947	4					174	179	1,998	165	1	27	0	2,543	281	15	875	269	40	49	1,528	35	274	309	585	12	11	10	618
1948	3					285	227	1,743	167	2	26	0	2,450	167	15	875	269	49	40	1,414	21	258	279	348	12	12	9	381
1949	4					243	223	1,992	161	1	26	0	2,647	320	16	875	269	51	38	1,568	40	278	318	666	12	12	9	700
1950	3					133	204	2,026	169	1	27	0	2,558	222	15	875	269	51	38	1,469	28	261	288	463	12	12	9	497
1951	2					342	247	1,993	158	1	27	0	2,767	378	17	875	269	30	59	1,628	46	271	318	792	12	6	15	826
1952	1					357	246	1,962	179	1	26	0	2,771	608	20	875	269	51	38	1,860	75	280	355	1,273	12	12	9	1,306
1953	1					353	238	1,965	168	1	26	0	2,751	232	15	875	269	51	38	1,480	29	248	277	486	12	12	9	520
1954	2					353	246	1,902	160	1	27	0	2,688	251	15	875	269	30	59	1,498	31	256	287	525	12	6	15	558
1955	4					161	190	2,020	158	1	26	0	2,557	275	15	875	269	51	38	1,522	34	274	308	575	12	12	9	609
1956	1					357	245	1,997	174	2	26	0	2,800	502	20	875	269	51	38	1,754	61	280	341	1,051	12	12	9	1,085
1957	2					249	236	1,979	160	1	27	0	2,653	193	15	875	269	51	38	1,440	24	256	280	404	12	12	9	437
1958	1					336	243	1,845	181	1	26	0	2,633	602	20	875	269	51	38	1,854	75	280	354	1,261	12	12	9	1,294
1959	3					234	217	2,087	154	2	26	0	2,720	186	15	875	269	51	38	1,434	23	373	396	390	12	12	9	424
1960	4					116	175	1,980	159	1	27	0	2,458	194	15	875	269	40	49	1,441	24	326	350	406	12	11	10	439
1961	4					184	184	1,972	156	0	28	0	2,525	280	13	875	269	2	87	1,525	35	274	309	581	12	0	21	615
1962	3					280	247	2,014	163	0	27	0	2,731	240	15	875	269	24	65	1,487	30	373	402	503	12	6	15	536
1963	1					341	243	1,834	170	1	26	0	2,615	328	16	875	269	51	38	1,575	40	252	293	686	12	12	9	719
1964	4					135	194	2,068	165	1	27	0	2,589	230	15	875	269	40	49	1,477	28	327	355	482	12	11	10	515
1965	1					266	237	1,952	164	1	27	0	2,647	444	17	875	269	51	38	1,693	56	274	330	867	12	12	9	901
1966	3					332	242	2,062	170	1	26	0	2,833	244	15	875	269	51	38	1,491	30	261	291	511	12	12	9	544
1967	1					338	241	1,815	180	2	26	0	2,602	609	20	875	269	51	38	1,861	75	280	355	1,276	12	12	9	1,310
1968	3					227	223	1,957	163	1	27	0	2,597	190	15	875	269	51	38	1,438	23	355	378	399	12	12	9	432
1969	1					357	248	2,005	179	1	26	0	2,817	610	20	875	269	51	38	1,862	75	280	355	1,278	12	12	9	1,311
1970	1					238	229	2,010	163	1	27	0	2,668	377	17	875	269	30	59	1,627	46	263	309	790	12	6	15	823
1971	1					319	242	2,062	169	1	27	0	2,820	191	15	875	269	51	38	1,438	23	248	271	399	12	12	9	432
1972	3					197	213	2,074	166	1	27	0	2,678	246	15	875	269	51	38	1,493	30	261	291	516	12	12	9	549
1973	2					345	252	1,972	172	1	27	0	2,769	326	16	875	269	51	38	1,573	40	260	300	681	12	12	9	714
1974	1					353	243	1,925	180	1	26	0	2,728	525	17	875	269	51	38	1,775	65	280	344	1,090	12	12	9	1,123
1975	1					357	240	2,000	173	1	27																	

Table WS-CVP-3I

Alternative A

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region							San Joaquin River Hydrologic Region						San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region							
		Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
AVG:		222	212	1,943	159	1	26	0	2,564	296	16	852	261	35	52	1,511	37	291	327	612	12	8	12	21	645
MIN:		0	120	1,728	98	0	21	0	1,981	0	10	674	202	0	38	964	0	248	266	0	9	0	9	33	
MAX:		357	256	2,154	193	2	28	0	2,840	610	20	875	269	51	89	1,862	75	396	432	1,278	12	12	21	1,311	
DP:	29-34, 76-77 and 87-92	36	151	1,898	129	0	24	0	2,238	59	12	774	235	5	72	1,158	7	318	326	124	11	1	17	153	
AVG:	W	327	241	1,931	173	1	26	0	2,700	471	18	875	269	49	40	1,722	58	271	329	967	12	12	9	1,000	
	AN	306	240	1,949	163	1	27	0	2,686	351	17	875	269	39	49	1,600	43	267	311	735	12	9	12	768	
	BN	217	217	1,980	170	1	27	0	2,613	245	15	875	269	42	46	1,492	30	285	315	512	12	10	11	545	
	D	147	193	1,977	154	1	27	0	2,498	205	15	864	265	25	62	1,436	25	313	339	429	12	6	15	462	
	C	38	148	1,865	120	0	23	0	2,195	59	12	741	224	5	69	1,109	7	327	335	124	10	1	17	152	
Rank	Probability of Exceedence	357	256	2,154	193	2	28	0	2,840	610	20	875	269	51	89	1,862	75	396	432	1,278	12	12	21	1,311	
1	0.0%	357	256	2,154	193	2	28	0	2,840	610	20	875	269	51	89	1,862	75	396	432	1,278	12	12	21	1,311	
2	1.3%	357	252	2,133	188	2	28	0	2,833	610	20	875	269	51	89	1,862	75	386	410	1,278	12	12	21	1,311	
3	2.5%	357	252	2,087	186	2	28	0	2,825	610	20	875	269	51	89	1,862	75	383	410	1,278	12	12	21	1,311	
4	3.8%	357	250	2,074	183	2	28	0	2,820	609	20	875	269	51	89	1,862	75	373	402	1,276	12	12	21	1,310	
5	5.0%	357	250	2,069	181	2	28	0	2,817	609	20	875	269	51	89	1,861	75	373	396	1,273	12	12	21	1,306	
6	6.3%	357	249	2,068	181	2	28	0	2,802	608	20	875	269	51	87	1,860	75	368	395	1,261	12	12	21	1,294	
7	7.5%	357	249	2,063	180	2	28	0	2,800	602	20	875	269	51	87	1,854	75	368	385	1,217	12	12	21	1,250	
8	8.8%	357	249	2,062	180	2	28	0	2,798	600	20	875	269	51	87	1,852	74	355	378	1,199	12	12	21	1,232	
9	10.0%	356	249	2,062	179	1	28	0	2,771	582	20	875	269	51	87	1,834	72	354	367	1,149	12	12	21	1,182	
10	11.3%	353	248	2,058	179	1	28	0	2,769	574	20	875	269	51	85	1,826	71	347	358	1,130	12	12	21	1,163	
11	12.5%	353	248	2,056	177	1	27	0	2,767	531	20	875	269	51	77	1,783	66	346	357	1,112	12	12	18	1,145	
12	13.8%	353	247	2,045	177	1	27	0	2,763	525	20	875	269	51	70	1,775	65	345	355	1,090	12	12	18	1,123	
13	15.0%	353	247	2,030	176	1	27	0	2,759	511	20	875	269	51	70	1,763	63	344	355	1,070	12	12	18	1,104	
14	16.3%	349	247	2,026	175	1	27	0	2,757	509	20	875	269	51	66	1,758	63	333	355	1,051	12	12	16	1,085	
15	17.5%	345	246	2,025	174	1	27	0	2,751	502	20	875	269	51	66	1,754	61	328	355	1,032	12	12	16	1,065	
16	18.8%	343	246	2,020	173	1	27	0	2,747	489	17	875	269	51	66	1,741	60	327	355	1,022	12	12	16	1,056	
17	20.0%	342	246	2,019	173	1	27	0	2,731	476	17	875	269	51	66	1,727	58	327	355	994	12	12	16	1,028	
18	21.3%	341	245	2,014	173	1	27	0	2,729	474	17	875	269	51	66	1,726	58	326	355	942	12	12	16	976	
19	22.5%	339	245	2,010	172	1	27	0	2,728	444	17	875	269	51	66	1,693	56	325	354	867	12	12	16	901	
20	23.8%	338	244	2,010	172	1	27	0	2,723	432	17	875	269	51	66	1,681	53	324	354	855	12	12	16	889	
21	25.0%	338	243	2,007	171	1	27	0	2,720	378	17	875	269	51	66	1,628	46	317	354	792	12	12	16	826	
22	26.3%	336	243	2,005	171	1	27	0	2,718	378	17	875	269	51	66	1,628	46	316	352	790	12	12	16	823	
23	27.5%	332	243	2,000	170	1	27	0	2,698	377	17	875	269	51	65	1,627	46	292	352	790	12	12	15	823	
24	28.8%	331	243	1,998	170	1	27	0	2,695	377	17	875	269	51	61	1,627	46	288	351	782	12	12	15	816	
25	30.0%	329	242	1,998	169	1	27	0	2,688	374	17	875	269	51	59	1,624	46	288	351	779	12	12	15	813	
26	31.3%	328	242	1,997	169	1	27	0	2,678	373	17	875	269	51	59	1,623	46	286	351	766	12	12	15	799	
27	32.5%	319	241	1,993	169	1	27	0	2,671	367	16	875	269	51	59	1,614	45	281	350	729	12	12	15	763	
28	33.8%	312	241	1,992	169	1	27	0	2,668	346	16	875	269	51	55	1,594	43	280	348	724	12	12	13	757	
29	35.0%	299	240	1,988	168	1	27	0	2,658	341	16	875	269	51	54	1,589	42	280	345	711	12	12	13	745	
30	36.3%	299	240	1,982	168	1	27	0	2,653	339	16	875	269	51	54	1,588	42	280	344	710	12	12	13	743	
31	37.5%	296	240	1,980	167	1	27	0	2,650	334	16	875	269	51	52	1,582	42	280	342	697	12	12	13	730	
32	38.8%	285	240	1,979	167	1	27	0	2,647	329	16	875	269	51	49	1,578	41	280	341	693	12	12	13	727	
33	40.0%	280	238	1,976	166	1	27	0	2,647	328	16	875	269	51	49	1,575	40	280	338	686	12	12	13	719	
34	41.3%	279	238	1,975	166	1	27	0	2,646	326	16	875	269	51	49	1,573	40	280	338	681	12	12	11	714	
35	42.5%	278	237	1,972	165	1	27	0	2,643	320	15	875	269	51	48	1,568	40	280	336	666	12	12	10	700	
36	43.8%	270	236	1,972	165	1	27	0	2,641	298	15	875	269	51	48	1,546	37	280	332	625	12	12	10	658	
37	45.0%	267	229	1,972	164	1	27	0	2,637	296	15	875	269	51	45	1,528	36	280	330	620	12	12	10	645	
38	46.3%	266	228	1,971	164	1	27	0	2,635	281	15	875	269	51	40	1,525	35	280	327	585	12	12	9	618	
39	47.5%	255	228	1,970	164	1	27	0	2,633	280	15	875	269	51	40	1,522	35	280	327	581	12	12	9	615	
40	48.8%	251	227	1,969	164	1	27	0	2,632	275	15	875	269	51	40	1,521	34	280	324	575	12	12	9	609	
41	50.0%	249	227	1,967	164	1	27	0	2,618	274	15	875	269	49	40	1,518	34	280	322	574	12	12	9	607	
42	51.3%	243	224	1,965	163	1	27	0	2,																

Table WS-CVP-3m

			Alternative A							Alternative A						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	1,928	557	2,485	2,900	447	64	73	100%	80%	100%	100%	100%	100%	100%
1923	3	BN	1,073	495	1,568	2,882	446	45	92	67%	42%	92%	75%	100%	100%	100%
1924	5	C	144	487	631	2,458	316	0	103	6%	6%	56%	56%	75%	77%	75%
1925	4	D	1,263	491	1,754	2,736	440	0	137	57%	57%	82%	82%	100%	100%	100%
1926	4	D	345	533	878	2,755	432	0	137	15%	15%	65%	65%	100%	100%	100%
1927	1	W	1,571	525	2,096	2,845	444	44	94	100%	62%	100%	87%	100%	100%	100%
1928	2	AN	869	465	1,334	2,851	433	15	122	43%	37%	75%	75%	100%	100%	100%
1929	5	C	0	467	467	2,920	424	4	133	0%	0%	50%	50%	100%	100%	100%
1930	4	D	385	533	917	2,821	439	2	135	17%	17%	67%	67%	100%	100%	100%
1931	5	C	216	436	652	2,460	312	0	103	9%	9%	59%	59%	75%	77%	75%
1932	4	D	308	426	734	2,467	328	0	103	13%	13%	63%	63%	75%	77%	75%
1933	5	C	46	464	510	2,488	321	0	103	2%	2%	52%	52%	75%	77%	75%
1934	5	C	184	501	685	2,449	318	0	103	8%	8%	58%	58%	75%	77%	75%
1935	3	BN	444	445	888	2,770	454	0	137	21%	21%	71%	71%	100%	100%	100%
1936	3	BN	1,041	464	1,506	2,821	457	43	94	45%	45%	75%	75%	100%	100%	100%
1937	3	BN	851	482	1,334	2,828	474	62	75	38%	38%	75%	75%	100%	100%	100%
1938	1	W	2,320	540	2,860	2,826	464	64	73	100%	100%	100%	100%	100%	100%	100%
1939	4	D	823	585	1,409	3,029	426	22	115	36%	36%	75%	75%	100%	100%	100%
1940	2	AN	1,094	520	1,614	2,786	444	35	102	84%	41%	100%	75%	100%	100%	100%
1941	1	W	2,038	547	2,585	2,681	453	64	73	100%	88%	100%	100%	100%	100%	100%
1942	1	W	1,953	538	2,490	2,734	450	64	73	100%	83%	100%	100%	100%	100%	100%
1943	1	W	1,805	543	2,348	2,857	445	64	73	78%	78%	100%	100%	100%	100%	100%
1944	4	D	539	466	1,005	2,845	439	64	73	23%	23%	73%	73%	100%	100%	100%
1945	3	BN	1,432	515	1,947	2,798	454	64	73	65%	62%	90%	87%	100%	100%	100%
1946	3	BN	1,408	523	1,931	2,944	453	55	82	83%	57%	100%	82%	100%	100%	100%
1947	4	D	1,075	468	1,542	2,873	446	52	86	49%	47%	75%	75%	100%	100%	100%
1948	3	BN	821	499	1,321	2,618	449	63	75	83%	29%	100%	75%	100%	100%	100%
1949	4	D	1,269	517	1,786	2,867	443	64	73	68%	54%	93%	79%	100%	100%	100%
1950	3	BN	845	479	1,324	2,900	450	64	73	37%	37%	75%	75%	100%	100%	100%
1951	2	AN	1,559	536	2,094	2,867	439	37	100	96%	62%	100%	87%	100%	100%	100%
1952	1	W	2,313	546	2,858	2,837	460	64	73	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,100	501	1,601	2,839	449	64	73	100%	38%	100%	75%	100%	100%	100%
1954	2	AN	1,159	517	1,676	2,777	441	37	100	99%	41%	100%	75%	100%	100%	100%
1955	4	D	1,044	479	1,524	2,894	439	64	73	45%	45%	75%	75%	100%	100%	100%
1956	1	W	1,972	544	2,516	2,871	455	65	73	100%	82%	100%	100%	100%	100%	100%
1957	2	AN	870	507	1,377	2,854	442	64	73	70%	31%	95%	75%	100%	100%	100%
1958	1	W	2,274	543	2,817	2,720	462	64	73	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	834	605	1,439	2,962	435	64	73	65%	31%	90%	75%	100%	100%	100%
1960	4	D	740	516	1,256	2,855	440	51	86	32%	32%	75%	75%	100%	100%	100%
1961	4	D	1,080	471	1,552	2,847	437	2	135	52%	47%	77%	75%	100%	100%	100%
1962	3	BN	1,053	634	1,687	2,889	444	30	107	78%	39%	100%	75%	100%	100%	100%
1963	1	W	1,394	511	1,905	2,708	451	64	73	100%	54%	100%	79%	100%	100%	100%
1964	4	D	875	535	1,410	2,942	446	52	86	38%	38%	75%	75%	100%	100%	100%
1965	1	W	1,634	527	2,162	2,827	445	64	73	78%	78%	100%	100%	100%	100%	100%
1966	3	BN	1,116	518	1,634	2,937	451	64	73	93%	40%	100%	75%	100%	100%	100%
1967	1	W	2,299	541	2,840	2,690	461	65	73	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	840	592	1,432	2,831	444	64	73	63%	31%	88%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,880	460	64	73	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,452	509	1,961	2,884	444	37	100	67%	62%	92%	87%	100%	100%	100%
1971	1	W	932	505	1,437	2,937	450	64	74	89%	31%	100%	75%	100%	100%	100%
1972	3	BN	990	488	1,478	2,949	447	64	73	55%	40%	80%	75%	100%	100%	100%
1973	2	AN	1,392	528	1,920	2,847	453	64	73	97%	54%	100%	79%	100%	100%	100%
1974	1	W	2,032	540	2,572	2,800	461	64	73	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,498	515	2,013	2,875	455	64	73	100%	60%	100%	85%	100%	100%	100%
1976	5	C	236	514	750	3,008	441	65	73	10%	10%	60%	60%	100%	100%	100%
1977	5	C	94	463	557	2,402	308	0	103	4%	4%	54%	54%	75%	77%	75%
1978	2	AN	2,200	552	2,752	2,800	450	63	75	100%	95%	100%	100%	100%	100%	100%
1979	3	BN	1,314	503	1,817	2,844	458	64	73	61%	57%	86%	82%	100%	100%	100%
1980	2	AN	1,943	555	2,499	2,842	458	64	73	84%	84%	100%	100%	100%	100%	100%
1981	4	D	995	633	1,628	2,803	443	64	74	75%	37%	100%	75%	100%	100%	100%
1982	1	W	2,161	552	2,712	2,704	462	64	74	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,697	469	64	74	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,522	530	2,052	2,938	449	64	73	93%	62%	100%	87%	100%	100%	100%
1985	4	D	1,126	517	1,643	2,873	443	49	88	71%	44%	96%	75%	100%	100%	100%
1986	1	W	1,425	489	1,914	2,862	452	65	73	62%	62%	87%	87%	100%	100%	100%
1987	4	D	513	572	1,085	2,904	425	22	115	23%	23%	73%	73%	100%	100%	100%
1988	5	C	0	458	458	2,885	419	2	135	0%	0%	50%	50%	100%	100%	100%
1989	4	D	528	461	989	2,850	436	0	137	24%	24%	74%	74%	100%	100%	100%
1990	5	C	0	454	454	2,894	426	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	265	520	785	2,436	323	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	388	470	859	2,424	325	0	103	17%	17%	67%	67%	75%	77%	75%
1993	2	AN	1,343	527	1,870	2,774	443	63	75	76%	56%	100%	81%	100%	100%	100%
1994	5	C	1,165	611	1,776	2,448	322	0	103	59%	48%	84%	75%	75%	77%	75%
1995	1	W	2,224	543	2,767	2,774	456	64	74	100%	96%	100%	100%	100%	100%	100%
1996	1	W	1,683	531	2,215	2,736	445	64	73	100%	71%	100%	96%	100%	100%	100%
1997	1	W	1,756	525	2,281	2,933	445	49	88	78%	78%	100%	100%	100%	100%	100%
1998	1	W	2,117	549	2,666	2,658	467	64	74	100%	99%	100%	100%	100%	100%	100%
1999	1	W	1,317	487	1,804	2,846	448	64	73	100%	49%	100%	75%	100%	100%	100%
2000	2	AN	1,430	506	1,937	2,766	440	43	95	100%	56%	100%	81%	100%	100%	100%
2001	4	D	741	593	1,334	2,834	430	64	73	32%	32%	75%	75%	100%	100%	100%
2002	4	D	878	582	1,460	2,930	436	2	135	70%	32%	95%	75%	100%	100%	100%

Table WS-CVP-3m

Alternative A									Alternative A						
Central Valley Project (CVP) Contract Deliveries									Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,167	519	1,686	2,795	432	44	90	63%	49%	86%	80%	97%	97%	97%
MIN:		0	426	454	2,402	308	0	73	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	634	2,954	3,029	474	65	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	226	481	707	2,672	375	7	113	10%	10%	60%	60%	88%	88%	88%
AVG:	W	1,823	530	2,354	2,806	454	62	76	94%	78%	99%	94%	100%	100%	100%
	AN	1,435	525	1,960	2,824	444	50	88	86%	58%	97%	84%	100%	100%	100%
	BN	1,004	517	1,522	2,855	451	53	84	61%	41%	87%	77%	100%	100%	100%
	D	807	521	1,328	2,840	432	32	104	41%	34%	78%	74%	99%	99%	99%
	C	228	487	715	2,606	355	6	109	11%	10%	59%	58%	83%	85%	83%
Rank	Probability of Exceedence								100%	100%	100%	100%	100%	100%	100%
1	0.0%	2,320	634	2,954	3,029	474	65	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	633	2,953	3,008	469	65	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,313	611	2,924	2,962	467	65	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	605	2,906	2,949	464	65	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,299	593	2,892	2,944	462	64	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,274	592	2,866	2,942	462	64	135	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,224	585	2,809	2,938	461	64	135	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,200	582	2,782	2,937	461	64	135	100%	99%	100%	100%	100%	100%	100%
9	10.0%	2,161	572	2,733	2,937	460	64	135	100%	96%	100%	100%	100%	100%	100%
10	11.3%	2,117	557	2,674	2,933	460	64	133	100%	95%	100%	100%	100%	100%	100%
11	12.5%	2,038	556	2,594	2,930	458	64	122	100%	88%	100%	100%	100%	100%	100%
12	13.8%	2,032	555	2,587	2,920	458	64	115	100%	86%	100%	100%	100%	100%	100%
13	15.0%	1,972	552	2,524	2,904	457	64	115	100%	84%	100%	100%	100%	100%	100%
14	16.3%	1,953	552	2,505	2,900	456	64	107	100%	83%	100%	100%	100%	100%	100%
15	17.5%	1,943	549	2,492	2,900	455	64	103	100%	82%	100%	100%	100%	100%	100%
16	18.8%	1,928	548	2,476	2,894	455	64	103	100%	80%	100%	100%	100%	100%	100%
17	20.0%	1,805	547	2,352	2,894	454	64	103	100%	78%	100%	100%	100%	100%	100%
18	21.3%	1,756	546	2,302	2,889	454	64	103	100%	78%	100%	100%	100%	100%	100%
19	22.5%	1,683	544	2,227	2,885	453	64	103	100%	78%	100%	100%	100%	100%	100%
20	23.8%	1,634	543	2,177	2,884	453	64	103	100%	71%	100%	96%	100%	100%	100%
21	25.0%	1,571	543	2,114	2,882	453	64	103	100%	62%	100%	87%	100%	100%	100%
22	26.3%	1,559	543	2,102	2,880	452	64	103	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,522	541	2,063	2,875	451	64	103	99%	62%	100%	87%	100%	100%	100%
24	28.8%	1,498	540	2,038	2,873	451	64	102	97%	62%	100%	87%	100%	100%	100%
25	30.0%	1,452	540	1,992	2,873	450	64	100	96%	62%	100%	87%	100%	100%	100%
26	31.3%	1,432	538	1,970	2,871	450	64	100	93%	62%	100%	87%	100%	100%	100%
27	32.5%	1,430	536	1,966	2,867	450	64	100	93%	60%	100%	85%	100%	100%	100%
28	33.8%	1,425	535	1,960	2,867	450	64	95	89%	57%	100%	82%	100%	100%	100%
29	35.0%	1,408	533	1,941	2,862	449	64	94	84%	57%	100%	82%	100%	100%	100%
30	36.3%	1,394	533	1,927	2,857	449	64	94	84%	57%	100%	82%	100%	100%	100%
31	37.5%	1,392	531	1,923	2,855	449	64	92	83%	56%	100%	81%	100%	100%	100%
32	38.8%	1,343	530	1,873	2,854	448	64	88	83%	56%	100%	81%	100%	100%	100%
33	40.0%	1,317	528	1,845	2,851	447	64	88	78%	54%	100%	79%	100%	100%	100%
34	41.3%	1,314	527	1,841	2,850	447	64	86	78%	54%	100%	79%	100%	100%	100%
35	42.5%	1,269	527	1,796	2,847	446	64	86	78%	54%	100%	79%	100%	100%	100%
36	43.8%	1,263	525	1,788	2,847	446	64	86	78%	49%	100%	75%	100%	100%	100%
37	45.0%	1,165	525	1,750	2,846	446	64	82	76%	48%	100%	75%	100%	100%	100%
38	46.3%	1,159	523	1,682	2,845	445	64	75	75%	47%	100%	75%	100%	100%	100%
39	47.5%	1,126	520	1,646	2,845	445	64	75	71%	47%	100%	75%	100%	100%	100%
40	48.8%	1,116	520	1,632	2,844	445	64	75	70%	45%	95%	75%	100%	100%	100%
41	50.0%	1,100	518	1,618	2,842	445	63	75	70%	45%	95%	75%	100%	100%	100%
42	51.3%	1,094	517	1,611	2,839	444	63	74	68%	44%	93%	75%	100%	100%	100%
43	52.5%	1,080	517	1,614	2,837	444	63	74	67%	42%	92%	75%	100%	100%	100%
44	53.8%	1,075	517	1,601	2,834	444	62	74	67%	41%	92%	75%	100%	100%	100%
45	55.0%	1,073	516	1,568	2,831	444	55	74	65%	41%	90%	75%	100%	100%	100%
46	56.3%	1,053	515	1,552	2,828	444	52	74	65%	40%	90%	75%	100%	100%	100%
47	57.5%	1,044	515	1,542	2,827	443	52	74	63%	40%	88%	75%	100%	100%	100%
48	58.8%	1,041	514	1,524	2,826	443	51	73	62%	39%	87%	75%	100%	100%	100%
49	60.0%	995	511	1,506	2,821	443	49	73	61%	38%	86%	75%	100%	100%	100%
50	61.3%	990	509	1,478	2,821	443	49	73	59%	38%	84%	75%	100%	100%	100%
51	62.5%	932	507	1,460	2,803	442	45	73	57%	38%	82%	75%	100%	100%	100%
52	63.8%	878	506	1,439	2,800	441	44	73	55%	37%	80%	75%	100%	100%	100%
53	65.0%	875	505	1,437	2,800	441	43	73	52%	37%	77%	75%	100%	100%	100%
54	66.3%	870	503	1,432	2,798	440	43	73	49%	37%	75%	75%	100%	100%	100%
55	67.5%	869	501	1,410	2,786	440	37	73	45%	36%	75%	75%	100%	100%	100%
56	68.8%	851	501	1,409	2,777	440	37	73	45%	32%	75%	75%	100%	100%	100%
57	70.0%	845	499	1,377	2,774	439	37	73	43%	32%	75%	75%	100%	100%	100%
58	71.3%	840	495	1,334	2,774	439	35	73	38%	32%	75%	75%	100%	100%	100%
59	72.5%	834	491	1,334	2,770	439	30	73	38%	31%	75%	75%	100%	100%	100%
60	73.8%	823	489	1,334	2,766	439	22	73	37%	31%	75%	75%	100%	100%	100%
61	75.0%	821	488	1,324	2,755	437	22	73	36%	31%	75%	75%	100%	100%	100%
62	76.3%	741	487	1,321	2,736	436	15	73	32%	31%	75%	75%	100%	100%	100%
63	77.5%	740	487	1,256	2,736	436	4	73	32%	29%	75%	75%	100%	100%	100%
64	78.8%	539	482	1,085	2,734	435	2	73	24%	24%	74%	74%	100%	100%	100%
65	80.0%	528	479	1,005	2,720	433	2	73	23%	23%	73%	73%	100%	100%	100%
66	81.3%	513	479	989	2,708	432	2	73	23%	23%	73%	73%	100%	100%	100%
67	82.5%	444	471	917	2,704	430	2	73	21%	21%	71%	71%	100%	100%	100%
68	83.8%	388	470	888	2,697	426	0	73	17%	17%	67%	67%	100%	100%	100%
69	85.0%	385	468	878	2,690	426	0	73	17%	17%	67%	67%	100%	100%	100%

Table WS-CVP-3n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Sacramento Valley 40-30-30 Index

Sacramento River Hydrologic Region

San Joaquin River Hydrologic Region

San Francisco Bay Hydrologic Region

Tulare Lake Hydrologic Region

Year	AN	BN	C	D	W	Sacramento River Hydrologic Region							San Joaquin River Hydrologic Region							San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region					
						Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total
						(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
1922	2	AN				357	249	2,025	161	0	28	0	2,821	527	20	875	269	0	89	1,779	65	288	353	1,103	12	0	21	1,136
1923	3	BN				214	205	2,007	159	0	28	0	2,613	259	15	875	269	0	89	1,506	32	261	293	542	12	0	21	576
1924	5	C				25	149	1,772	108	0	21	0	2,075	43	11	674	202	0	66	996	5	329	334	89	9	0	16	114
1925	4	D				203	196	1,870	159	0	28	0	2,456	327	16	875	269	0	89	1,575	41	280	321	688	12	0	21	721
1926	4	D				52	173	1,880	146	0	28	0	2,278	89	13	875	269	0	89	1,334	11	346	357	186	12	0	21	220
1927	1	W				357	250	1,976	157	0	28	0	2,767	361	17	875	269	0	89	1,610	44	259	304	756	12	0	21	789
1928	2	AN				174	194	1,954	151	0	28	0	2,501	232	15	875	269	0	89	1,479	29	256	285	484	12	0	21	518
1929	5	C				0	133	2,041	134	0	28	0	2,336	0	10	875	269	0	89	1,242	0	324	324	0	12	0	21	33
1930	4	D				42	156	1,943	153	0	28	0	2,322	70	12	875	269	0	89	1,314	9	348	356	145	12	0	21	179
1931	5	C				29	159	1,774	86	0	21	0	2,069	49	12	674	202	0	66	1,002	6	261	267	103	9	0	16	128
1932	4	D				43	152	1,753	123	0	21	0	2,093	74	12	674	202	0	66	1,028	9	257	266	154	9	0	16	179
1933	5	C				5	132	1,783	112	0	21	0	2,052	8	10	674	202	0	66	960	1	325	326	17	9	0	16	42
1934	5	C				27	144	1,675	93	0	21	0	1,959	47	12	674	202	0	66	1,000	6	344	350	98	9	0	16	123
1935	3	BN				73	179	1,891	166	0	28	0	2,337	112	14	875	269	0	89	1,358	15	250	265	238	12	0	21	271
1936	3	BN				152	189	1,942	175	0	28	0	2,486	260	15	875	269	0	89	1,507	32	261	293	544	12	0	21	578
1937	3	BN				108	205	1,956	184	0	28	0	2,480	178	15	875	269	0	89	1,425	22	259	281	371	12	0	21	404
1938	1	W				357	236	1,949	174	0	28	0	2,744	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1939	4	D				88	187	2,141	150	0	28	0	2,593	150	15	875	269	0	89	1,398	19	382	401	315	12	0	21	348
1940	2	AN				306	249	1,906	161	0	28	0	2,650	281	15	875	269	0	89	1,529	35	256	291	589	12	0	21	622
1941	1	W				329	247	1,802	169	0	28	0	2,574	509	20	875	269	0	89	1,761	63	279	342	1,066	12	0	21	1,100
1942	1	W				349	240	1,854	164	0	28	0	2,635	519	17	875	269	0	89	1,769	64	280	344	1,070	12	0	21	1,103
1943	1	W				267	246	1,982	161	0	28	0	2,683	455	20	875	269	0	89	1,707	56	279	335	953	12	0	21	987
1944	4	D				73	182	1,961	153	0	28	0	2,397	125	14	875	269	0	89	1,371	15	268	283	261	12	0	21	295
1945	3	BN				180	195	1,918	174	0	28	0	2,495	304	15	875	269	0	89	1,551	38	261	299	635	12	0	21	668
1946	3	BN				303	238	2,066	164	0	28	0	2,799	379	17	875	269	0	89	1,629	47	277	323	795	12	0	21	828
1947	4	D				138	179	1,992	161	0	28	0	2,498	232	15	875	269	0	89	1,479	29	274	303	485	12	0	21	518
1948	3	BN				294	229	1,722	161	0	28	0	2,434	212	15	875	269	0	89	1,459	27	258	285	441	12	0	21	475
1949	4	D				232	217	1,992	150	0	28	0	2,618	333	16	875	269	0	89	1,582	42	281	322	695	12	0	21	728
1950	3	BN				95	196	2,018	172	0	28	0	2,508	161	15	875	269	0	89	1,408	20	260	280	336	12	0	21	369
1951	2	AN				328	247	1,970	157	0	28	0	2,730	379	17	875	269	0	89	1,629	47	272	318	795	12	0	21	828
1952	1	W				357	240	1,957	174	0	28	0	2,756	607	20	875	269	0	89	1,859	75	280	355	1,271	12	0	21	1,304
1953	1	W				352	238	1,964	157	0	28	0	2,738	251	15	875	269	0	89	1,498	31	248	279	526	12	0	21	559
1954	2	AN				337	246	1,897	155	0	28	0	2,662	251	13	875	269	0	89	1,496	27	247	273	513	12	0	21	546
1955	4	D				111	190	2,003	150	0	28	0	2,482	190	15	875	269	0	89	1,437	23	274	297	397	12	0	21	431
1956	1	W				357	244	1,994	164	0	28	0	2,786	504	20	875	269	0	89	1,756	62	280	341	1,055	12	0	21	1,088
1957	2	AN				241	232	1,972	156	0	28	0	2,629	198	15	875	269	0	89	1,445	24	256	280	414	12	0	21	447
1958	1	W				336	243	1,837	176	0	28	0	2,620	603	20	875	269	0	89	1,855	75	280	354	1,263	12	0	21	1,296
1959	3	BN				226	212	2,062	141	0	28	0	2,670	195	15	875	269	0	89	1,442	24	373	397	407	12	0	21	441
1960	4	D				104	179	1,978	154	0	28	0	2,443	174	15	875	269	0	89	1,421	22	325	347	363	12	0	21	396
1961	4	D				186	195	1,973	150	0	28	0	2,532	311	13	875	269	0	89	1,556	34	267	300	574	12	0	21	608
1962	3	BN				238	237	2,014	158	0	28	0	2,675	217	15	875	269	0	89	1,464	27	373	399	453	12	0	21	487
1963	1	W				341	243	1,829	164	0	28	0	2,604	341	16	875	269	0	89	1,590	42	255	297	714	12	0	21	748
1964	4	D				90	194	2,063	165	0	28	0	2,540	154	15	875	269	0	89	1,401	19	327	346	323	12	0	21	357
1965	1	W				260	240	1,947	162	0	28	0	2,637	437	17	875	269	0	89	1,686	55	274	328	918	12	0	21	951
1966	3	BN				307	242	2,057	162	0	28	0	2,795	253	15	875	269	0	89	1,500	31	261	292	529	12	0	21	563
1967	1	W				338	241	1,817	161	0	28	0	2,585	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1968	3	BN				224	221	1,946	156	0	28	0	2,575	217	15	875	269	0	89	1,464	27	355	381	455	12	0	21	488
1969	1	W				357	248	2,000	177	0	28	0	2,810	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1970	1	W				220	219	1,987	159	0	28	0	2,612	347	14	875	269	0	89	1,593	43	256	299	719	12	0	21	752
1971	1	W				309	248	2,061	167	0	28	0	2,813	201	15	875	269	0	89	1,448	25	248	273	420	12	0	21	453
1972	3	BN				172	202	2,075	157	0	28	0	2,633	251	15	875	269	0	89	1,498	31	261	292	525	12	0	21	558
1973	2	AN				334	252	1,972	165	0	28	0	2,751	335	16	875	269	0	89	1,583	41	262	303	630	12	0	21	663
1974	1	W				353	240	1,921	170	0	28	0	2,712	527	20	875	269	0	89	1,779	65	280	345	1,102	12	0	21	1,135
1975	1	W				357	240																					

Table WS-CVP-3n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region							San Joaquin River Hydrologic Region						San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region						
		Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
AVG:		213	211	1,934	155	0	27	0	2,539	290	16	852	261	0	86	1,506	36	290	326	599	12	0	20	632
MIN:		0	128	1,675	86	0	21	0	1,936	0	10	674	202	0	66	960	0	247	265	0	9	0	16	33
MAX:		357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
DP:	29-34, 76-77 and 87-92	32	150	1,874	124	0	24	0	2,204	53	12	774	235	0	78	1,152	7	317	324	109	11	0	18	138
AVG:	W	323	241	1,927	168	0	28	0	2,687	470	18	875	269	0	89	1,721	58	271	329	968	12	0	21	1,001
	AN	297	238	1,942	159	0	28	0	2,663	353	17	875	269	0	89	1,601	43	266	309	730	12	0	21	764
	BN	197	210	1,974	164	0	28	0	2,574	235	15	875	269	0	89	1,482	29	284	313	491	12	0	21	525
	D	131	192	1,971	151	0	27	0	2,473	188	14	864	265	0	87	1,419	23	312	335	390	12	0	21	423
	C	36	148	1,837	116	0	23	0	2,161	60	11	741	224	0	74	1,109	7	327	334	122	10	0	18	150
Rank	Probability of Exceedence	357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
1	0.0%	357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
2	1.3%	357	256	2,125	188	0	28	0	2,814	610	20	875	269	0	89	1,862	75	386	405	1,278	12	0	21	1,311
3	2.5%	357	253	2,075	184	0	28	0	2,813	610	20	875	269	0	89	1,862	75	382	401	1,278	12	0	21	1,311
4	3.8%	357	252	2,066	183	0	28	0	2,810	610	20	875	269	0	89	1,862	75	373	399	1,278	12	0	21	1,311
5	5.0%	357	251	2,064	177	0	28	0	2,799	609	20	875	269	0	89	1,861	75	373	398	1,271	12	0	21	1,304
6	6.3%	357	250	2,063	176	0	28	0	2,795	608	20	875	269	0	89	1,860	75	368	397	1,263	12	0	21	1,296
7	7.5%	357	249	2,062	176	0	28	0	2,789	607	20	875	269	0	89	1,859	75	366	382	1,226	12	0	21	1,260
8	8.8%	357	249	2,061	175	0	28	0	2,786	603	20	875	269	0	89	1,855	75	355	381	1,187	12	0	21	1,220
9	10.0%	356	248	2,057	174	0	28	0	2,767	587	20	875	269	0	89	1,839	73	348	357	1,148	12	0	21	1,182
10	11.3%	353	248	2,053	174	0	28	0	2,756	569	20	875	269	0	89	1,821	71	346	356	1,144	12	0	21	1,178
11	12.5%	353	247	2,052	174	0	28	0	2,751	527	20	875	269	0	89	1,779	65	344	356	1,103	12	0	21	1,136
12	13.8%	352	247	2,041	172	0	28	0	2,744	527	20	875	269	0	89	1,779	65	343	355	1,102	12	0	21	1,135
13	15.0%	349	246	2,026	171	0	28	0	2,738	519	20	875	269	0	89	1,769	64	342	355	1,070	12	0	21	1,103
14	16.3%	343	246	2,025	170	0	28	0	2,736	509	20	875	269	0	89	1,761	63	333	355	1,066	12	0	21	1,100
15	17.5%	341	245	2,018	170	0	28	0	2,731	504	20	875	269	0	89	1,756	62	329	355	1,055	12	0	21	1,088
16	18.8%	339	244	2,014	169	0	28	0	2,730	460	20	875	269	0	89	1,713	57	327	355	965	12	0	21	998
17	20.0%	338	243	2,014	169	0	28	0	2,730	455	19	875	269	0	89	1,707	56	327	355	953	12	0	21	987
18	21.3%	338	243	2,011	167	0	28	0	2,718	439	17	875	269	0	89	1,691	55	325	355	921	12	0	21	954
19	22.5%	337	243	2,007	167	0	28	0	2,712	437	17	875	269	0	89	1,686	54	325	354	918	12	0	21	951
20	23.8%	336	242	2,003	166	0	28	0	2,685	437	17	875	269	0	89	1,686	54	324	353	878	12	0	21	911
21	25.0%	334	241	2,000	166	0	28	0	2,683	381	17	875	269	0	89	1,629	47	317	353	795	12	0	21	828
22	26.3%	329	241	1,997	165	0	28	0	2,677	380	17	875	269	0	89	1,629	47	316	352	795	12	0	21	828
23	27.5%	328	241	1,994	165	0	28	0	2,675	379	17	875	269	0	89	1,629	47	291	352	756	12	0	21	790
24	28.8%	328	240	1,994	165	0	28	0	2,670	379	17	875	269	0	89	1,628	47	288	350	756	12	0	21	789
25	30.0%	316	240	1,992	164	0	28	0	2,662	361	17	875	269	0	89	1,610	44	288	347	749	12	0	21	782
26	31.3%	312	240	1,992	164	0	28	0	2,650	358	16	875	269	0	89	1,607	44	285	347	719	12	0	21	752
27	32.5%	309	240	1,987	164	0	28	0	2,644	347	16	875	269	0	89	1,593	43	281	346	716	12	0	21	749
28	33.8%	307	240	1,982	164	0	28	0	2,637	341	16	875	269	0	89	1,590	42	280	345	714	12	0	21	748
29	35.0%	306	239	1,981	164	0	28	0	2,635	340	16	875	269	0	89	1,583	42	280	344	700	12	0	21	728
30	36.3%	303	238	1,979	162	0	28	0	2,633	335	16	875	269	0	89	1,582	41	280	344	695	12	0	21	727
31	37.5%	294	238	1,978	162	0	28	0	2,630	333	16	875	269	0	89	1,580	41	280	342	693	12	0	21	725
32	38.8%	270	238	1,976	162	0	28	0	2,629	332	16	875	269	0	89	1,577	41	280	341	689	12	0	21	721
33	40.0%	267	237	1,973	161	0	28	0	2,629	329	15	875	269	0	89	1,575	41	280	336	683	12	0	21	721
34	41.3%	260	236	1,972	161	0	28	0	2,626	260	15	875	269	0	89	1,564	39	280	336	650	12	0	21	693
35	42.5%	257	232	1,972	161	0	28	0	2,620	316	15	875	269	0	89	1,556	38	280	334	635	12	0	21	668
36	43.8%	248	231	1,970	161	0	28	0	2,618	311	15	875	269	0	89	1,551	36	280	330	630	12	0	21	663
37	45.0%	248	229	1,970	161	0	28	0	2,617	304	15	875	269	0	89	1,537	36	280	328	605	12	0	21	639
38	46.3%	241	229	1,969	161	0	28	0	2,613	290	15	875	269	0	89	1,529	35	280	328	589	12	0	21	622
39	47.5%	238	225	1,964	160	0	28	0	2,612	281	15	875	269	0	89	1,527	34	280	326	587	12	0	21	620
40	48.8%	238	224	1,962	160	0	28	0	2,604	280	15	875	269	0	89	1,507	34	280	324	574	12	0	21	608
41	50.0%	232	221	1,961	159	0	28	0	2,598	260	15	875	269	0	89	1,506	32	279	323	544	12	0	21	578
42	51.3%	228	220	1,957	159	0	28	0	2,593	259	15	875	269	0	89	1,500	32	279	322	542				

Table WS-CVP-3o

			No Action Alternative					No Action Alternative								
			Central Valley Project (CVP) Contract Deliveries					Central Valley Project (CVP) Allocation								
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	2,052	557	2,609	2,900	442	0	137	100%	86%	100%	100%	100%	100%	100%
1923	3	BN	1,047	481	1,529	2,882	440	0	137	60%	42%	85%	75%	100%	100%	100%
1924	5	C	162	489	652	2,445	319	0	103	7%	7%	57%	57%	75%	77%	75%
1925	4	D	1,259	492	1,751	2,745	440	0	137	58%	56%	83%	81%	100%	100%	100%
1926	4	D	339	532	871	2,755	427	0	137	15%	15%	65%	65%	100%	100%	100%
1927	1	W	1,518	526	2,044	2,851	438	0	137	100%	59%	100%	84%	100%	100%	100%
1928	2	AN	919	465	1,384	2,829	432	0	137	49%	38%	75%	75%	100%	100%	100%
1929	5	C	0	467	467	2,916	415	0	137	0%	0%	50%	50%	100%	100%	100%
1930	4	D	267	516	783	2,818	434	0	137	12%	12%	62%	62%	100%	100%	100%
1931	5	C	187	432	619	2,448	297	0	103	8%	8%	58%	58%	75%	77%	75%
1932	4	D	280	422	702	2,427	334	0	103	12%	12%	62%	62%	75%	77%	75%
1933	5	C	31	467	498	2,456	323	0	103	1%	1%	51%	51%	75%	77%	75%
1934	5	C	177	500	677	2,349	304	0	103	8%	8%	58%	58%	75%	77%	75%
1935	3	BN	437	444	881	2,765	447	0	137	21%	21%	71%	71%	100%	100%	100%
1936	3	BN	988	464	1,453	2,817	456	0	137	43%	43%	75%	75%	100%	100%	100%
1937	3	BN	678	478	1,157	2,831	465	0	137	30%	30%	75%	75%	100%	100%	100%
1938	1	W	2,320	536	2,856	2,823	455	0	137	100%	100%	100%	100%	100%	100%	100%
1939	4	D	571	584	1,155	3,016	431	0	137	25%	25%	75%	75%	100%	100%	100%
1940	2	AN	1,211	520	1,731	2,781	442	0	137	86%	47%	100%	75%	100%	100%	100%
1941	1	W	1,968	546	2,513	2,677	450	0	137	100%	84%	100%	100%	100%	100%	100%
1942	1	W	2,002	538	2,540	2,729	445	0	137	100%	85%	100%	100%	100%	100%	100%
1943	1	W	1,731	545	2,276	2,856	442	0	137	75%	75%	100%	100%	100%	100%	100%
1944	4	D	474	465	939	2,836	434	0	137	20%	20%	70%	70%	100%	100%	100%
1945	3	BN	1,157	472	1,628	2,793	455	0	137	50%	50%	75%	75%	100%	100%	100%
1946	3	BN	1,524	532	2,056	2,941	445	0	137	85%	62%	100%	87%	100%	100%	100%
1947	4	D	884	468	1,352	2,867	443	0	137	39%	39%	75%	75%	100%	100%	100%
1948	3	BN	974	502	1,476	2,597	442	0	137	85%	36%	100%	75%	100%	100%	100%
1949	4	D	1,302	513	1,815	2,867	431	0	137	65%	56%	90%	81%	100%	100%	100%
1950	3	BN	612	471	1,083	2,892	453	0	137	27%	27%	75%	75%	100%	100%	100%
1951	2	AN	1,549	536	2,085	2,845	438	0	137	92%	62%	100%	87%	100%	100%	100%
1952	1	W	2,310	540	2,850	2,832	455	0	137	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,160	501	1,660	2,839	438	0	137	100%	41%	100%	75%	100%	100%	100%
1954	2	AN	1,127	506	1,633	2,772	436	0	137	94%	41%	100%	75%	100%	100%	100%
1955	4	D	721	479	1,200	2,878	431	0	137	31%	31%	75%	75%	100%	100%	100%
1956	1	W	1,977	544	2,521	2,869	445	0	137	100%	82%	100%	100%	100%	100%	100%
1957	2	AN	877	503	1,380	2,847	437	0	137	68%	32%	93%	75%	100%	100%	100%
1958	1	W	2,276	543	2,819	2,712	457	0	137	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	852	600	1,452	2,937	422	0	137	63%	32%	88%	75%	100%	100%	100%
1960	4	D	662	519	1,181	2,853	435	0	137	29%	29%	75%	75%	100%	100%	100%
1961	4	D	1,104	476	1,580	2,847	431	0	137	52%	52%	77%	77%	100%	100%	100%
1962	3	BN	935	625	1,559	2,889	439	0	137	67%	36%	92%	75%	100%	100%	100%
1963	1	W	1,438	515	1,953	2,703	445	0	137	100%	56%	100%	81%	100%	100%	100%
1964	4	D	587	535	1,122	2,938	446	0	137	25%	25%	75%	75%	100%	100%	100%
1965	1	W	1,670	531	2,201	2,822	443	0	137	75%	75%	100%	100%	100%	100%	100%
1966	3	BN	1,120	518	1,638	2,932	443	0	137	86%	41%	100%	75%	100%	100%	100%
1967	1	W	2,301	540	2,841	2,692	442	0	137	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	922	591	1,513	2,821	437	0	137	63%	36%	88%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,875	458	0	137	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,329	489	1,818	2,861	440	0	137	62%	57%	87%	82%	100%	100%	100%
1971	1	W	954	511	1,465	2,936	448	0	137	87%	33%	100%	75%	100%	100%	100%
1972	3	BN	978	478	1,456	2,950	437	0	137	48%	41%	75%	75%	100%	100%	100%
1973	2	AN	1,340	530	1,870	2,847	446	0	137	94%	55%	100%	80%	100%	100%	100%
1974	1	W	2,046	539	2,585	2,796	451	0	137	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,541	519	2,059	2,869	451	0	137	100%	62%	100%	87%	100%	100%	100%
1976	5	C	154	501	655	3,000	439	0	137	7%	7%	57%	57%	100%	100%	100%
1977	5	C	94	472	566	2,353	305	0	103	4%	4%	54%	54%	75%	77%	75%
1978	2	AN	2,182	550	2,732	2,806	440	0	137	100%	95%	100%	100%	100%	100%	100%
1979	3	BN	1,104	472	1,576	2,837	452	0	137	48%	48%	75%	75%	100%	100%	100%
1980	2	AN	1,752	551	2,303	2,845	447	0	137	76%	76%	100%	100%	100%	100%	100%
1981	4	D	1,035	623	1,658	2,791	441	0	137	70%	40%	95%	75%	100%	100%	100%
1982	1	W	2,161	551	2,711	2,697	469	0	137	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,695	469	0	137	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,458	534	1,992	2,928	445	0	137	89%	62%	100%	87%	100%	100%	100%
1985	4	D	1,139	509	1,647	2,872	443	0	137	66%	46%	91%	75%	100%	100%	100%
1986	1	W	1,363	483	1,846	2,856	450	0	137	59%	59%	84%	84%	100%	100%	100%
1987	4	D	473	561	1,034	2,901	417	0	137	21%	21%	71%	71%	100%	100%	100%
1988	5	C	0	454	454	2,885	411	0	137	0%	0%	50%	50%	100%	100%	100%
1989	4	D	540	462	1,002	2,854	438	0	137	24%	24%	74%	74%	100%	100%	100%
1990	5	C	0	462	462	2,888	418	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	523	779	2,395	326	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	343	460	803	2,390	318	0	103	16%	16%	66%	66%	75%	77%	75%
1993	2	AN	1,243	504	1,747	2,766	441	0	137	64%	53%	89%	78%	100%	100%	100%
1994	5	C	1,287	610	1,897	2,408	329	0	103	59%	56%	84%	81%	75%	77%	75%
1995	1	W	2,238	538	2,776	2,765	458	0	137	100%	97%	100%	100%	100%	100%	100%
1996	1	W	1,711	532	2,244	2,728	446	0	137	100%	72%	100%	97%	100%	100%	100%
1997	1	W	1,671	520	2,192	2,927	449	0	137	72%	72%	97%	97%	100%	100%	100%
1998	1	W	2,139	557	2,697	2,654	464	0	137	100%	100%	100%	100%	100%	100%	100%
1999	1	W	1,415	493	1,908	2,844	433	0	137	100%	54%	100%	79%	100%	100%	100%
2000	2	AN	1,405	508	1,913	2,745	434	0	137	100%	55%	100%	80%	100%	100%	100%
2001	4	D	604	593	1,197	2,829	421	0	137	26%	26%	75%	75%	100%	100%	100%
2002	4	D	936	581	1,516	2,939	438	0	137	70%	35%	95%	75%	100%	100%	100%

Table WS-CVP-3o

No Action Alternative									No Action Alternative						
Central Valley Project (CVP) Contract Deliveries									Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,138	516	1,654	2,786	428	0	134	60%	48%	85%	79%	97%	97%	97%
MIN:		0	422	454	2,349	297	0	103	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	200	478	679	2,649	370	0	120	9%	9%	59%	59%	88%	88%	88%
AVG:	W	1,820	530	2,350	2,801	450	0	137	93%	77%	99%	93%	100%	100%	100%
	AN	1,423	521	1,944	2,817	440	0	137	84%	58%	96%	84%	100%	100%	100%
	BN	952	509	1,461	2,849	445	0	137	55%	39%	84%	76%	100%	100%	100%
	D	732	518	1,250	2,835	429	0	136	37%	31%	77%	73%	99%	99%	99%
	C	224	486	711	2,578	350	0	115	10%	10%	58%	58%	83%	85%	83%
Rank	Probability of Exceedence								100%	100%	100%	100%	100%	100%	100%
1	0.0%	2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	623	2,857	3,000	469	0	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,310	610	2,856	2,950	465	0	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	600	2,850	2,941	464	0	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,301	593	2,841	2,939	458	0	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,276	591	2,819	2,938	458	0	137	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,238	584	2,776	2,937	457	0	137	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,182	581	2,732	2,936	456	0	137	100%	100%	100%	100%	100%	100%	100%
9	10.0%	2,161	561	2,711	2,932	455	0	137	100%	97%	100%	100%	100%	100%	100%
10	11.3%	2,139	557	2,697	2,928	455	0	137	100%	95%	100%	100%	100%	100%	100%
11	12.5%	2,052	557	2,609	2,927	455	0	137	100%	86%	100%	100%	100%	100%	100%
12	13.8%	2,046	556	2,585	2,916	453	0	137	100%	86%	100%	100%	100%	100%	100%
13	15.0%	2,002	551	2,540	2,901	452	0	137	100%	85%	100%	100%	100%	100%	100%
14	16.3%	1,977	551	2,521	2,900	451	0	137	100%	84%	100%	100%	100%	100%	100%
15	17.5%	1,968	550	2,513	2,892	451	0	137	100%	82%	100%	100%	100%	100%	100%
16	18.8%	1,752	548	2,303	2,889	450	0	137	100%	76%	100%	100%	100%	100%	100%
17	20.0%	1,731	546	2,276	2,888	450	0	137	100%	75%	100%	100%	100%	100%	100%
18	21.3%	1,711	545	2,244	2,885	449	0	137	100%	75%	100%	100%	100%	100%	100%
19	22.5%	1,671	544	2,201	2,882	448	0	137	100%	72%	100%	97%	100%	100%	100%
20	23.8%	1,670	543	2,192	2,878	447	0	137	100%	72%	100%	97%	100%	100%	100%
21	25.0%	1,549	540	2,085	2,875	447	0	137	100%	62%	100%	87%	100%	100%	100%
22	26.3%	1,541	540	2,059	2,872	446	0	137	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,524	539	2,056	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
24	28.8%	1,518	538	2,044	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
25	30.0%	1,458	538	1,992	2,867	445	0	137	92%	59%	100%	84%	100%	100%	100%
26	31.3%	1,438	536	1,953	2,867	445	0	137	89%	59%	100%	84%	100%	100%	100%
27	32.5%	1,415	536	1,913	2,861	445	0	137	87%	57%	100%	82%	100%	100%	100%
28	33.8%	1,405	535	1,908	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
29	35.0%	1,363	534	1,897	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
30	36.3%	1,340	532	1,870	2,854	443	0	137	85%	56%	100%	81%	100%	100%	100%
31	37.5%	1,329	532	1,846	2,853	443	0	137	85%	56%	100%	81%	100%	100%	100%
32	38.8%	1,302	532	1,818	2,851	443	0	137	76%	55%	100%	80%	100%	100%	100%
33	40.0%	1,287	531	1,815	2,847	443	0	137	75%	55%	100%	80%	100%	100%	100%
34	41.3%	1,259	530	1,751	2,847	442	0	137	75%	54%	100%	79%	100%	100%	100%
35	42.5%	1,243	526	1,747	2,847	442	0	137	72%	53%	97%	78%	100%	100%	100%
36	43.8%	1,211	523	1,731	2,845	442	0	137	70%	52%	95%	77%	100%	100%	100%
37	45.0%	1,160	520	1,660	2,845	442	0	137	70%	50%	95%	75%	100%	100%	100%
38	46.3%	1,157	520	1,658	2,844	442	0	137	68%	48%	93%	75%	100%	100%	100%
39	47.5%	1,139	519	1,647	2,839	441	0	137	67%	47%	92%	75%	100%	100%	100%
40	48.8%	1,127	519	1,638	2,837	441	0	137	66%	46%	91%	75%	100%	100%	100%
41	50.0%	1,120	518	1,633	2,836	440	0	137	65%	43%	90%	75%	100%	100%	100%
42	51.3%	1,104	516	1,628	2,832	440	0	137	64%	42%	89%	75%	100%	100%	100%
43	52.5%	1,104	515	1,580	2,831	440	0	137	63%	41%	88%	75%	100%	100%	100%
44	53.8%	1,047	513	1,576	2,829	440	0	137	63%	41%	88%	75%	100%	100%	100%
45	55.0%	1,035	511	1,559	2,829	439	0	137	62%	41%	87%	75%	100%	100%	100%
46	56.3%	988	509	1,529	2,823	439	0	137	60%	41%	85%	75%	100%	100%	100%
47	57.5%	978	508	1,516	2,822	438	0	137	59%	40%	84%	75%	100%	100%	100%
48	58.8%	974	506	1,513	2,821	438	0	137	59%	39%	84%	75%	100%	100%	100%
49	60.0%	954	504	1,476	2,818	438	0	137	58%	38%	83%	75%	100%	100%	100%
50	61.3%	936	503	1,465	2,817	438	0	137	52%	36%	77%	75%	100%	100%	100%
51	62.5%	935	502	1,456	2,806	438	0	137	50%	36%	75%	75%	100%	100%	100%
52	63.8%	922	501	1,453	2,796	437	0	137	49%	36%	75%	75%	100%	100%	100%
53	65.0%	919	501	1,452	2,793	437	0	137	48%	35%	75%	75%	100%	100%	100%
54	66.3%	884	500	1,384	2,791	437	0	137	48%	33%	75%	75%	100%	100%	100%
55	67.5%	877	493	1,380	2,781	436	0	137	43%	32%	75%	75%	100%	100%	100%
56	68.8%	852	492	1,352	2,772	435	0	137	39%	32%	75%	75%	100%	100%	100%
57	70.0%	721	489	1,200	2,766	434	0	137	31%	31%	75%	75%	100%	100%	100%
58	71.3%	678	489	1,197	2,765	434	0	137	30%	30%	75%	75%	100%	100%	100%
59	72.5%	662	483	1,181	2,765	434	0	137	29%	29%	75%	75%	100%	100%	100%
60	73.8%	612	481	1,157	2,755	433	0	137	27%	27%	75%	75%	100%	100%	100%
61	75.0%	604	479	1,155	2,745	432	0	137	26%	26%	75%	75%	100%	100%	100%
62	76.3%	587	478	1,122	2,745	431	0	137	25%	25%	75%	75%	100%	100%	100%
63	77.5%	571	478	1,083	2,729	431	0	137	25%	25%	75%	75%	100%	100%	100%
64	78.8%	540	476	1,034	2,728	431	0	137	24%	24%	74%	74%	100%	100%	100%
65	80.0%	474	472	1,002	2,712	431	0	137	21%	21%	71%	71%	100%	100%	100%
66	81.3%	473	472	939	2,703	427	0	137	21%	21%	71%	71%	100%	100%	100%
67	82.5%	437	472	881	2,697	422	0	137	20%	20%	70%	70%	100%	100%	100%
68	83.8%	343	471	871	2,695	421	0	137	16%	16%	66%	66%	100%	100%	100%
69	85.0%	339	468	803	2,692	418	0	137	15%	15%	65%	65%	100%	100%	100%
70	86.3%	280	46												

Alternative B Compared to No Action Alternative

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Table WS-SWP-5a

Alternative B
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period ¹	66%	66%	96%
Water Year Types²			
Wet (32%)	81%	81%	100%
Above Normal (15%)	70%	70%	100%
Below Normal (17%)	65%	65%	100%
Dry (22%)	59%	59%	100%
Critical (15%)	37%	37%	75%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	2,623	96	51
Water Year Types²			
Wet (32%)	3,193	133	94
Above Normal (15%)	2,783	59	53
Below Normal (17%)	2,622	128	40
Dry (22%)	2,426	66	15
Critical (15%)	1,539	55	24

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	704	2,066	2,770
Water Year Types²			
Wet (32%)	898	2,521	3,420
Above Normal (15%)	748	2,147	2,895
Below Normal (17%)	690	2,100	2,790
Dry (22%)	613	1,893	2,506
Critical (15%)	391	1,227	1,618

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period ¹	950
Water Year Types²	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	773

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region		
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	
Long-term										
Full Simulation Period ¹	24	4	209	46	691	88	281	9	1,419	
Water Year Types²										
Wet (32%)	30	5	258	57	883	110	339	11	1,727	
Above Normal (15%)	26	4	223	50	735	95	285	9	1,468	
Below Normal (17%)	24	4	211	46	678	88	287	9	1,444	
Dry (22%)	21	3	185	42	602	80	261	8	1,304	
Critical (15%)	13	2	120	26	384	50	171	5	847	

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-5b

**No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period ¹	62%	62%	96%
Water Year Types²			
Wet (32%)	80%	80%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	64%	64%	100%
Dry (22%)	54%	54%	100%
Critical (15%)	30%	30%	75%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type**

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	2,496	91	51
Water Year Types²			
Wet (32%)	3,132	124	81
Above Normal (15%)	2,730	67	44
Below Normal (17%)	2,593	120	45
Dry (22%)	2,202	62	32
Critical (15%)	1,234	52	30

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	670	1,969	2,639
Water Year Types²			
Wet (32%)	873	2,466	3,338
Above Normal (15%)	727	2,113	2,840
Below Normal (17%)	681	2,078	2,758
Dry (22%)	568	1,727	2,296
Critical (15%)	318	998	1,316

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period ¹	950
Water Year Types²	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	772

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region		
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	
Long-term										
Full Simulation Period ¹	23	4	199	44	658	84	267	8	1,353	
Water Year Types²										
Wet (32%)	29	5	252	56	858	108	331	11	1,689	
Above Normal (15%)	25	4	218	48	714	93	282	9	1,447	
Below Normal (17%)	23	4	207	45	669	86	284	8	1,432	
Dry (22%)	19	3	172	38	558	73	236	7	1,190	
Critical (15%)	11	2	97	21	312	40	138	4	692	

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-5c

**Difference: Alternative B minus No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period ¹	3%	3%	0%
Water Year Types²			
Wet (32%)	1%	1%	0%
Above Normal (15%)	2%	2%	0%
Below Normal (17%)	1%	1%	0%
Dry (22%)	5%	5%	0%
Critical (15%)	7%	7%	0%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**Difference: Alternative B minus No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	34	97	131
Water Year Types²			
Wet (32%)	26	56	82
Above Normal (15%)	21	34	54
Below Normal (17%)	10	22	32
Dry (22%)	45	165	211
Critical (15%)	73	229	302

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**Difference: Alternative B minus No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region	South Lahonton Hydrologic Region	South Coast Hydrologic Region		
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)		
Long-term									
Full Simulation Period ¹	1	0	10	2	33	4	14	0	65
Water Year Types²									
Wet (32%)	1	0	6	1	25	2	8	0	38
Above Normal (15%)	1	0	6	1	20	2	3	0	21
Below Normal (17%)	1	0	4	1	9	2	3	0	12
Dry (22%)	2	0	14	4	44	7	25	1	114
Critical (15%)	3	0	23	5	72	10	33	1	155

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**Difference: Alternative B minus No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type**

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	126	4	0
Water Year Types²			
Wet (32%)	60	9	13
Above Normal (15%)	53	-7	9
Below Normal (17%)	29	9	-5
Dry (22%)	224	3	-16
Critical (15%)	305	3	-6

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**Difference: Alternative B minus No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period ¹	0
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	1

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-5d

State Water Project (SWP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	Ag Service Table A Allocation (EO May)	Ag Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	62%	670
Alternative B	66%	704
Difference	3%	34
Percent Difference ³		5.0%
Water Year Types²		
Wet (32%)		
No Action Alternative	80%	873
Alternative B	81%	898
Difference	1%	26
Percent Difference		2.9%
Above Normal (15%)		
No Action Alternative	69%	727
Alternative B	70%	748
Difference	2%	21
Percent Difference		2.9%
Below Normal (17%)		
No Action Alternative	64%	681
Alternative B	65%	690
Difference	1%	10
Percent Difference		1.4%
Dry (22%)		
No Action Alternative	54%	568
Alternative B	59%	613
Difference	5%	45
Percent Difference		7.9%
Critical (15%)		
No Action Alternative	30%	318
Alternative B	37%	391
Difference	7%	73
Percent Difference		23.0%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

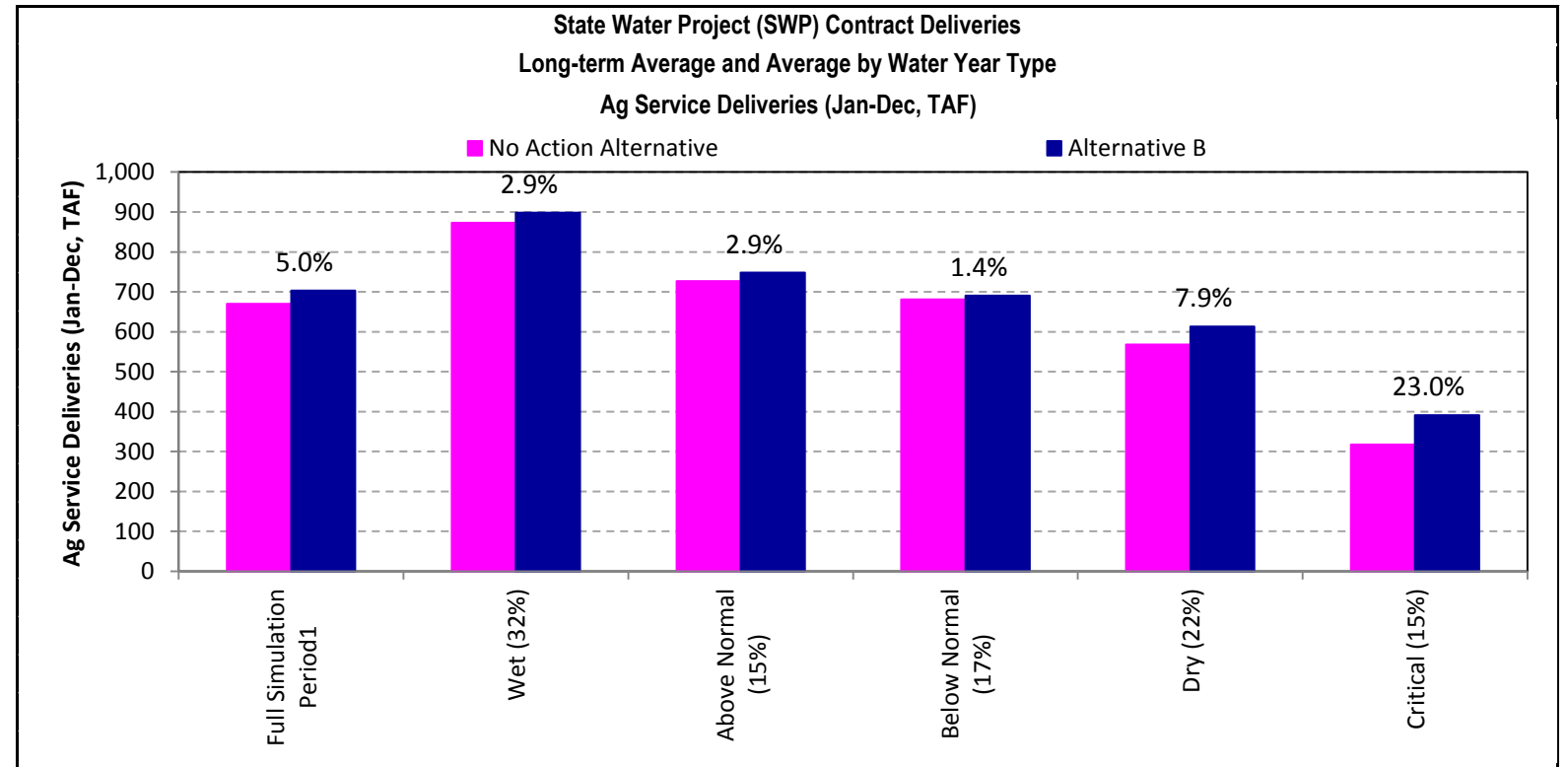
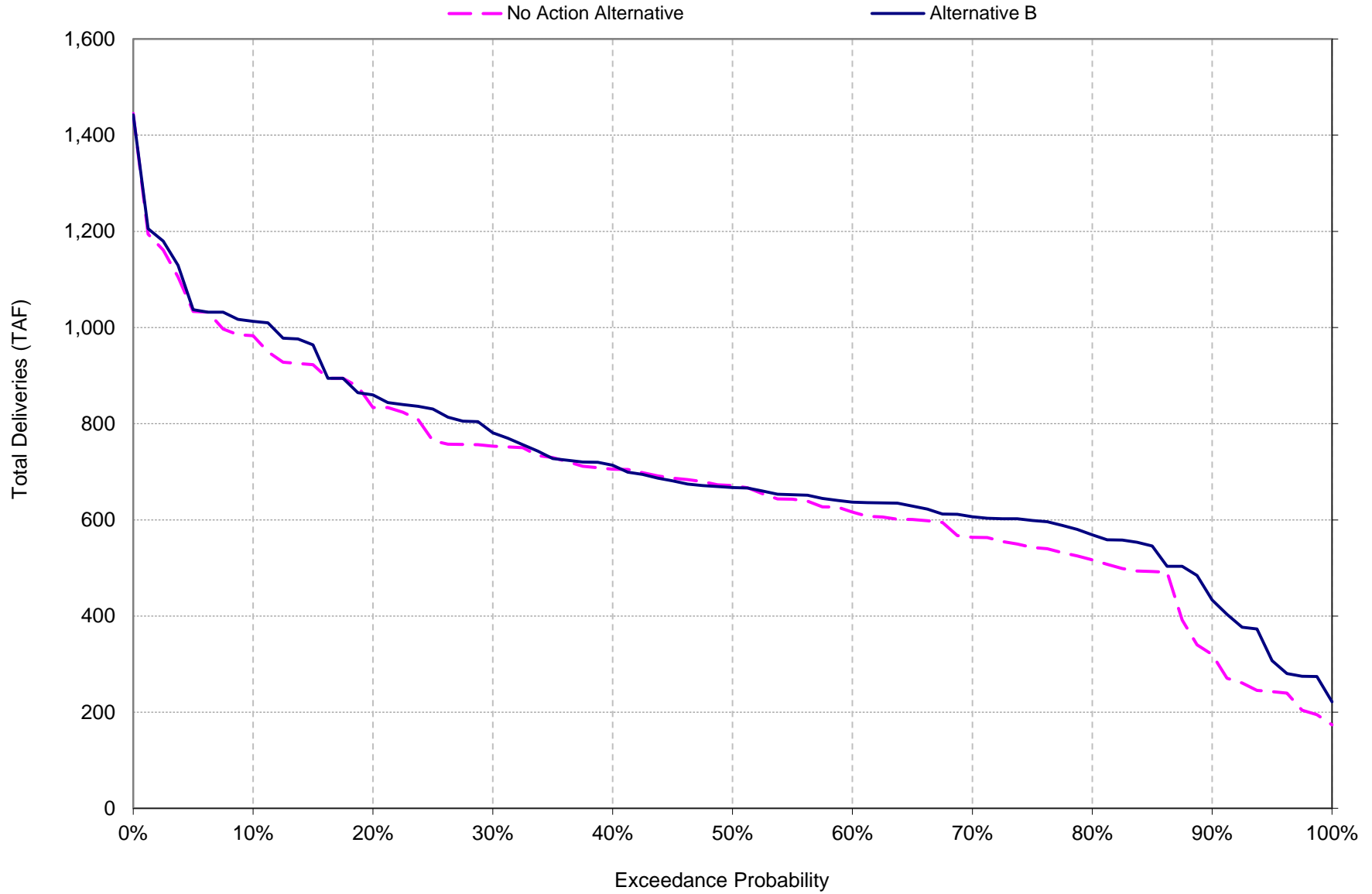


Figure WS-CVP-5e
State Water Project (SWP) Total Ag Service Contract Deliveries
Probability Exceedance Chart



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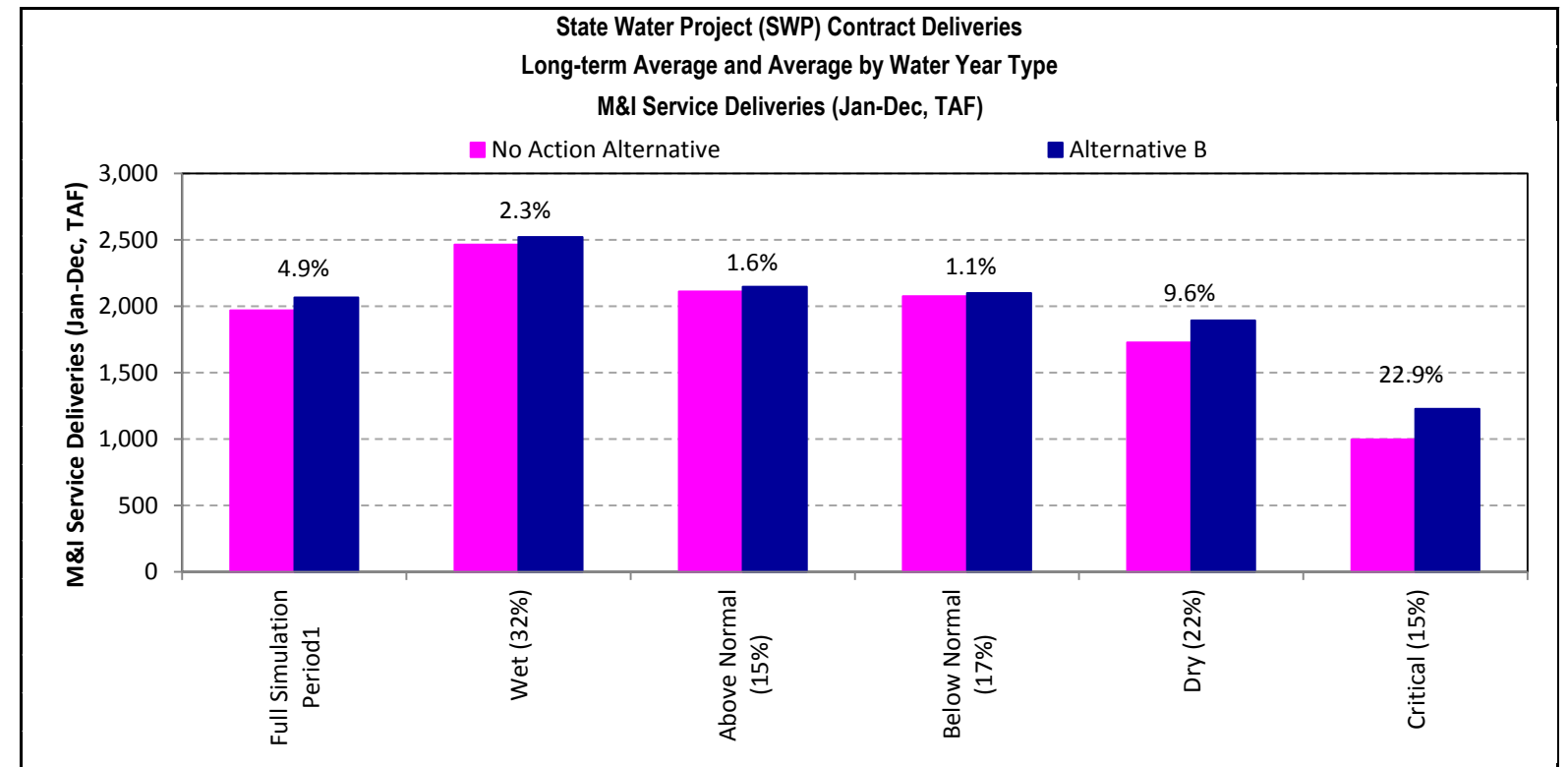
Table WS-SWP-5f

State Water Project (SWP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	M&I Service Table A Allocation (EO May)	M&I Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	62%	1,969
Alternative B	66%	2,066
Difference	3%	97
Percent Difference ³		4.9%
Water Year Types²		
Wet (32%)		
No Action Alternative	80%	2,466
Alternative B	81%	2,521
Difference	1%	56
Percent Difference		2.3%
Above Normal (15%)		
No Action Alternative	69%	2,113
Alternative B	70%	2,147
Difference	2%	34
Percent Difference		1.6%
Below Normal (17%)		
No Action Alternative	64%	2,078
Alternative B	65%	2,100
Difference	1%	22
Percent Difference		1.1%
Dry (22%)		
No Action Alternative	54%	1,727
Alternative B	59%	1,893
Difference	5%	165
Percent Difference		9.6%
Critical (15%)		
No Action Alternative	30%	998
Alternative B	37%	1,227
Difference	7%	229
Percent Difference		22.9%

1 Based on the 82-year simulation period

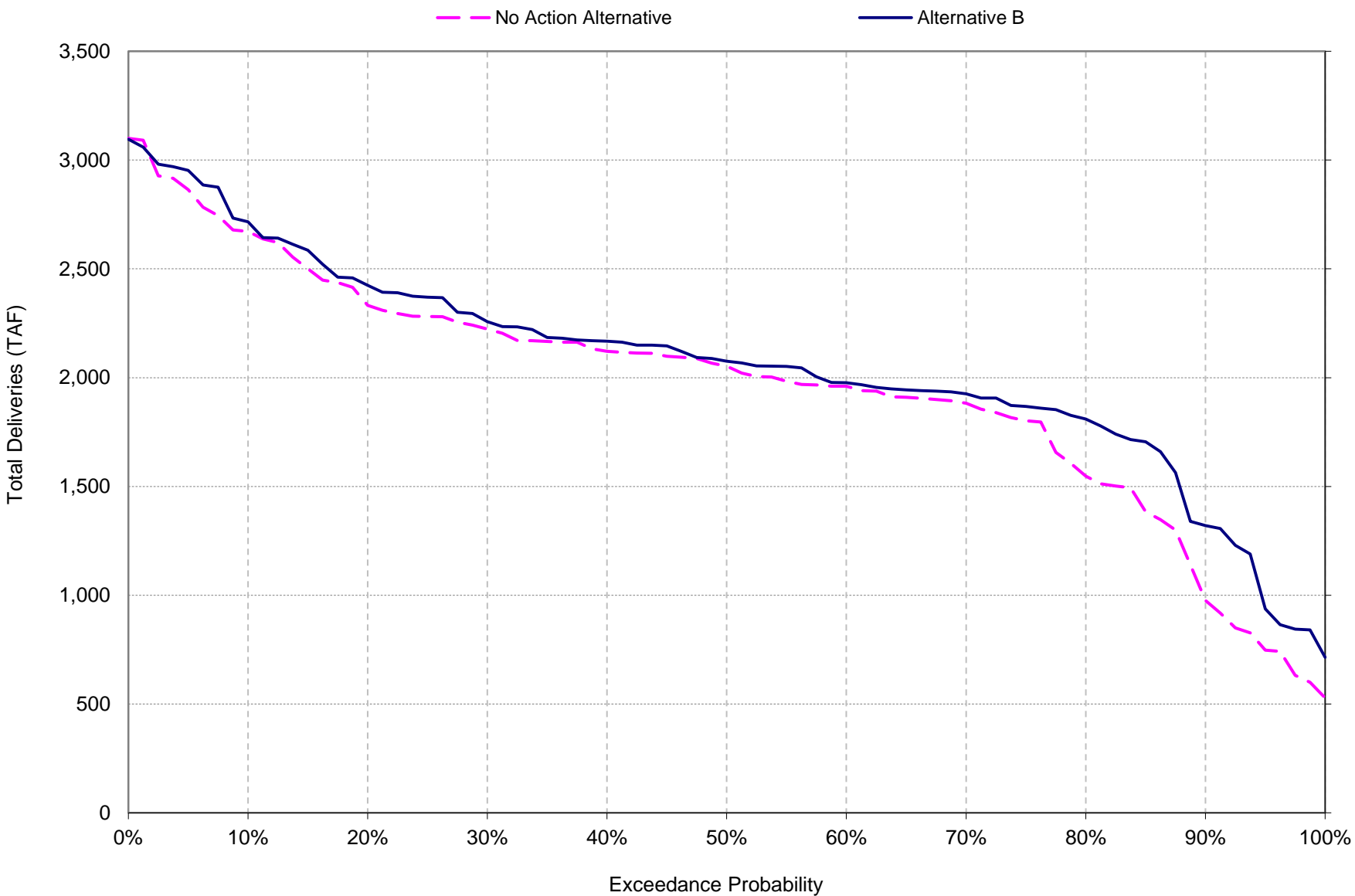
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



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Figure WS-CVP-5g
State Water Project (SWP) Total M&I Service Contract Deliveries
Probability Exceedance Chart



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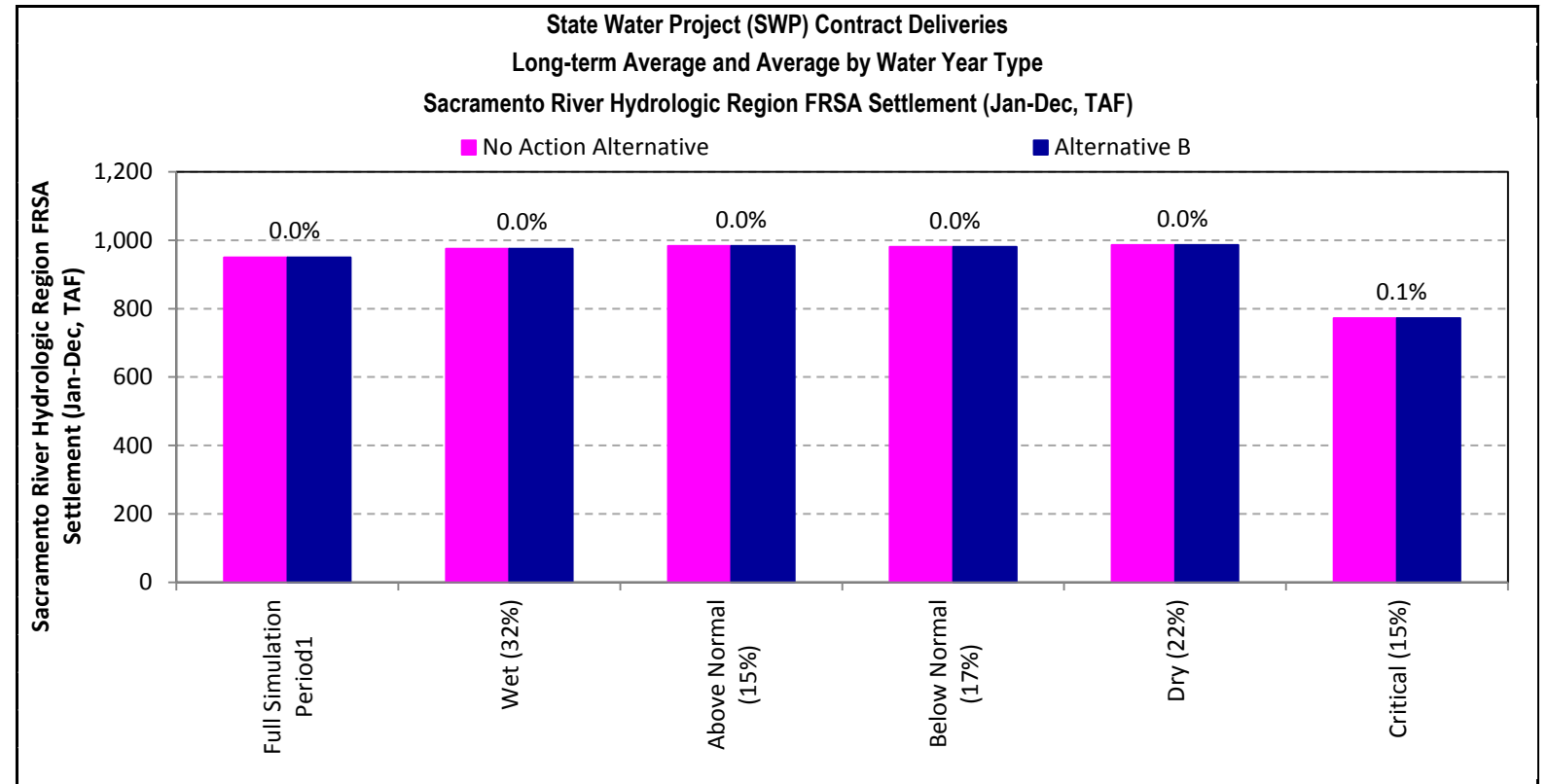
Table WS-SWP-5h

State Water Project (SWP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	FRSA Settlement Contract Allocation (EO May)	Sacramento River Hydrologic Region FRSA Settlement (Jan-Dec, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	96%	950
Alternative B	96%	950
Difference	0%	0
Percent Difference ³		0.0%
Water Year Types²		
Wet (32%)		
No Action Alternative	100%	976
Alternative B	100%	976
Difference	0%	0
Percent Difference		0.0%
Above Normal (15%)		
No Action Alternative	100%	983
Alternative B	100%	983
Difference	0%	0
Percent Difference		0.0%
Below Normal (17%)		
No Action Alternative	100%	981
Alternative B	100%	981
Difference	0%	0
Percent Difference		0.0%
Dry (22%)		
No Action Alternative	100%	986
Alternative B	100%	986
Difference	0%	0
Percent Difference		0.0%
Critical (15%)		
No Action Alternative	75%	772
Alternative B	75%	773
Difference	0%	1
Percent Difference		0.1%

¹ Based on the 82-year simulation period

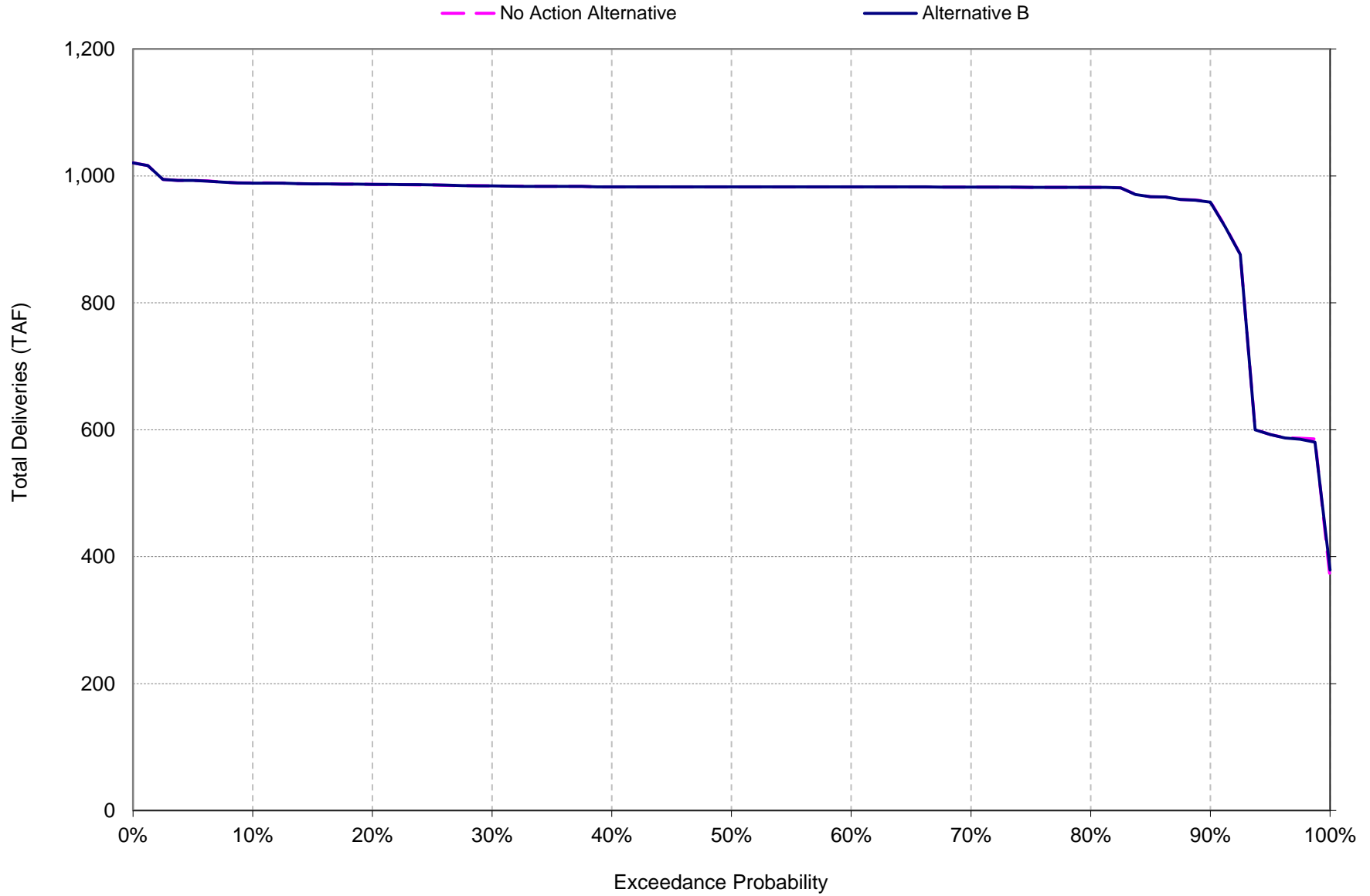
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-5i
State Water Project (SWP) FRSA Settlement Contract Deliveries
Probability Exceedance Chart



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Table WS-SWP-5j

Alternative B														Alternative B									
State Water Project (SWP) Contract Deliveries														State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations						
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery	
		FRSA Settlement (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	
1922	2	AN	983	26	4	222	49	701	93	794	260	9	1,355	1,364	714	2,004	2,718	69%	69%	100%	2,702	0	16
1923	3	BN	994	23	4	200	43	625	83	707	294	8	1,444	1,452	636	2,088	2,724	62%	62%	100%	2,531	178	15
1924	5	C	585	13	2	120	26	370	49	419	165	5	817	821	377	1,190	1,567	37%	37%	50%	1,521	35	10
1925	4	D	983	20	3	185	40	570	76	645	242	7	1,215	1,223	580	1,778	2,358	56%	56%	100%	2,340	0	18
1926	4	D	989	21	3	173	43	611	81	692	257	8	1,293	1,300	622	1,868	2,491	60%	60%	100%	2,483	1	6
1927	1	W	982	24	4	208	46	659	88	747	262	8	1,340	1,348	671	1,968	2,639	65%	65%	100%	2,611	13	14
1928	2	AN	983	24	4	208	46	662	88	750	279	8	1,408	1,416	674	2,053	2,728	65%	65%	100%	2,619	96	13
1929	5	C	987	14	2	129	28	396	53	449	189	5	927	932	404	1,339	1,743	39%	39%	100%	1,630	102	11
1930	4	D	983	19	3	162	37	536	71	607	228	7	1,143	1,150	545	1,660	2,206	53%	53%	100%	2,195	0	10
1931	5	C	592	9	2	87	19	269	36	305	116	3	575	578	274	841	1,116	27%	27%	50%	1,106	1	8
1932	4	D	989	20	3	170	39	591	74	665	237	8	1,202	1,210	602	1,740	2,343	55%	55%	100%	2,271	0	72
1933	5	C	988	14	2	138	27	495	52	547	169	7	906	913	504	1,307	1,810	39%	39%	100%	1,615	1	194
1934	5	C	580	15	2	129	30	426	57	482	182	5	908	914	434	1,320	1,754	42%	42%	50%	1,749	0	4
1935	3	BN	983	24	4	210	47	682	91	773	261	9	1,344	1,353	694	1,977	2,671	67%	67%	100%	2,660	1	10
1936	3	BN	987	26	4	223	50	714	95	809	291	9	1,486	1,494	727	2,170	2,897	70%	70%	100%	2,745	140	12
1937	3	BN	982	31	5	279	61	993	117	1,110	361	12	1,868	1,880	1,010	2,716	3,726	87%	87%	100%	3,376	174	176
1938	1	W	982	36	6	304	69	999	133	1,131	417	13	2,101	2,113	1,017	3,060	4,077	99%	99%	100%	3,838	229	9
1939	4	D	1,016	20	3	171	38	643	72	715	286	7	1,367	1,374	553	1,955	2,508	54%	54%	100%	2,233	265	10
1940	2	AN	982	23	4	205	45	548	86	634	260	8	1,322	1,330	660	1,941	2,601	64%	64%	100%	2,586	1	14
1941	1	W	971	30	5	246	58	829	110	939	324	10	1,656	1,666	844	2,424	3,268	82%	82%	100%	3,185	81	2
1942	1	W	983	28	4	239	53	756	100	856	324	9	1,626	1,636	770	2,370	3,140	75%	75%	100%	2,907	217	16
1943	1	W	983	31	5	266	59	849	113	962	355	11	1,789	1,800	864	2,613	3,477	84%	84%	100%	3,264	198	15
1944	4	D	984	22	4	196	45	641	85	726	305	8	1,494	1,502	652	2,147	2,799	63%	63%	100%	2,564	225	10
1945	3	BN	982	26	4	236	51	816	127	943	284	10	1,527	1,537	831	2,221	3,052	72%	72%	100%	2,820	63	170
1946	3	BN	983	24	4	214	46	655	87	742	299	8	1,480	1,488	667	2,150	2,817	65%	65%	100%	2,603	194	20
1947	4	D	983	25	4	215	47	687	90	777	276	8	1,400	1,409	699	2,052	2,751	67%	67%	100%	2,646	78	27
1948	3	BN	920	20	3	185	41	586	78	663	276	7	1,349	1,357	596	1,948	2,545	58%	58%	100%	2,405	128	11
1949	4	D	984	22	3	179	42	601	80	681	256	8	1,282	1,290	612	1,860	2,472	59%	59%	100%	2,460	1	10
1950	3	BN	982	19	3	183	38	548	73	621	234	7	1,169	1,176	558	1,716	2,274	54%	54%	100%	2,252	1	21
1951	2	AN	986	29	4	253	54	1,020	103	1,123	287	13	1,642	1,655	1,037	2,368	3,405	76%	76%	100%	2,975	1	429
1952	1	W	983	34	5	281	66	947	126	1,072	395	12	1,984	1,996	964	2,885	3,849	93%	93%	100%	3,638	209	2
1953	1	W	986	22	3	188	40	578	77	654	297	7	1,430	1,437	588	2,054	2,642	57%	57%	100%	2,374	251	17
1954	2	AN	983	22	3	191	42	601	80	681	256	8	1,282	1,290	612	1,873	2,485	59%	59%	100%	2,469	1	14
1955	4	D	993	23	4	195	43	624	83	706	259	8	1,303	1,311	635	1,906	2,541	62%	62%	100%	2,527	1	12
1956	1	W	993	32	5	280	61	995	117	1,112	331	13	1,765	1,778	1,013	2,586	3,599	87%	87%	100%	3,377	31	191
1957	2	AN	983	22	3	191	41	588	78	666	298	7	1,438	1,445	599	2,068	2,666	58%	58%	100%	2,417	233	17
1958	1	W	959	36	6	309	70	1,014	135	1,148	375	13	1,951	1,964	1,032	2,876	3,908	100%	100%	100%	3,896	1	11
1959	3	BN	990	18	3	159	34	495	66	560	266	6	1,267	1,273	504	1,810	2,314	49%	49%	100%	2,033	269	12
1960	4	D	983	19	3	171	38	549	73	621	234	7	1,170	1,177	559	1,706	2,264	54%	54%	100%	2,253	1	10
1961	4	D	983	21	3	174	41	591	79	670	252	7	1,262	1,269	602	1,827	2,430	58%	58%	100%	2,418	1	10
1962	3	BN	983	22	4	197	43	624	83	707	259	8	1,303	1,311	635	1,906	2,542	62%	62%	100%	2,527	1	13
1963	1	W	967	23	3	202	43	617	82	699	264	8	1,324	1,332	628	1,938	2,566	61%	61%	100%	2,512	34	20
1964	4	D	989	23	4	201	44	633	84	717	263	8	1,328	1,336	645	1,944	2,588	62%	62%	100%	2,551	23	14
1965	1	W	987	29	4	247	55	790	105	895	301	10	1,559	1,569	804	2,295	3,099	78%	78%	100%	3,036	50	14
1966	3	BN	987	25	4	212	47	669	89	758	302	8	1,499	1,507	681	2,174	2,854	66%	66%	100%	2,634	207	14
1967	1	W	983	30	5	260	57	825	110	935	328	10	1,678	1,688	840	2,462	3,302	81%	81%	100%	3,172	114	16
1968	3	BN	983	25	4	206	46	657	87	745	304	8	1,500	1,509	669	2,168	2,837	65%	65%	100%	2,608	218	11
1969	1	W	983	37	6	300	70	1,014	135	1,148	392	13	2,035	2,048	1,032	2,969	4,002	100%	100%	100%	3,896	72	33
1970	1	W	983	29	4	257	54	959	103	1,062	323	13	1,627	1,639	976	2,393	3,369	76%	76%	100%	2,979	120	270
1971	1	W	985	24	4	201	44	629	84	713	301	8	1,468	1,476	640	2,120	2,761	62%	62%	100%	2,541	205	14
1972	3	BN	992	24	4	209	44	640	85	725	267	8	1,349	1,357	651	1,978	2,630	63%	63%	100%	2,567	43	20
1973	2	AN	982	26	4	225	49	707	94	801	273	9	1,409	1,417	720	2,075	2,795	70%	70%	100%	2,717	61	16
1974	1	W	982	30	5	258	57	821	109	930	341	10	1,726	1,736	836	2,521	3,357	81%	81%	100%	3,157	185	16
1975	1	W	982	26	4	226	49	707	94	801	305	9	1,533	1,542	720	2,233	2,953	70%	70%	100%	2,719	217	17
1976	5	C	1,021	23	4	196	43	625	83	708	296	8	1,452	1,460	637	2,093	2,730	62%	62%	100%	2,532	187	11
1977	5	C	379	8	1	68	15	218	29	247	101	3	495	497	222	715	937	22%	22%	50%	897	39	2
1978	2	AN	983	27	4	236	56	799	106	905	295	10	1,538	1,548	813	2,258	3,071	79%	79%	100%	3,069	0	2
1979	3	BN	982	28	4	246	53	790	102	892	322	11	1,624	1,634	805	2,375	3,180	76%	76%	100%	2,945	182	53
1980	2	AN	986	32	5	261	61	879	117	995	363	11	1,810	1,821	894	2,644	3,538	87%	87%	100%	3,377	131	30
1981	4	D	983	24	4	204	45	642	85	727	308	8	1,498	1,506	653	2,163	2,817	63%	63%	100%	2,572	231	14
1982	1	W	967	36	6	311	70	1,109	135	1													

Table WS-SWP-5k

No Action Alternative																
State Water Project (SWP) Contract Deliveries																
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries
		FRSA Settlement (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
1922	2 AN	983	26	4	227	50	721	96	817	266	9	1,387	1,397	734	2,053	2,787
1923	3 BN	994	22	3	186	41	588	78	666	290	7	1,404	1,412	598	2,021	2,620
1924	5 C	585	8	1	75	17	238	32	270	103	3	508	511	243	742	985
1925	4 D	983	19	3	193	39	633	75	707	240	8	1,252	1,260	644	1,817	2,461
1926	4 D	989	17	3	144	34	483	64	547	206	6	1,030	1,036	491	1,494	1,985
1927	1 W	982	27	4	232	52	743	99	841	275	9	1,430	1,439	756	2,114	2,870
1928	2 AN	983	24	4	210	47	671	89	760	300	8	1,493	1,501	683	2,163	2,846
1929	5 C	988	9	1	84	18	256	34	290	133	3	641	645	261	919	1,180
1930	4 D	983	17	3	149	34	484	64	548	206	6	1,032	1,038	493	1,502	1,995
1931	5 C	592	11	2	96	22	315	42	356	135	4	671	675	320	976	1,297
1932	4 D	989	15	2	137	29	541	55	595	176	7	973	980	550	1,384	1,934
1933	5 C	985	14	2	140	27	531	52	583	170	7	944	951	540	1,348	1,888
1934	5 C	587	9	1	73	17	241	32	273	103	3	514	517	245	748	993
1935	3 BN	983	25	4	230	52	744	99	842	274	9	1,432	1,441	757	2,112	2,869
1936	3 BN	987	24	4	212	47	674	90	764	300	8	1,495	1,503	687	2,167	2,853
1937	3 BN	982	31	5	279	61	980	117	1,096	350	12	1,836	1,848	997	2,673	3,669
1938	1 W	982	36	6	308	70	1,015	135	1,150	423	13	2,127	2,140	1,033	3,100	4,133
1939	4 D	1,016	20	3	163	36	522	69	592	280	7	1,325	1,332	532	1,894	2,426
1940	2 AN	982	22	4	198	44	627	83	711	259	8	1,306	1,314	639	1,912	2,551
1941	1 W	971	29	5	241	56	809	107	917	309	10	1,590	1,600	824	2,332	3,156
1942	1 W	983	24	4	208	46	655	87	742	304	8	1,494	1,503	667	2,163	2,830
1943	1 W	983	30	5	255	57	819	109	928	319	10	1,645	1,656	834	2,416	3,249
1944	4 D	985	18	3	162	35	507	67	575	260	6	1,253	1,260	517	1,796	2,313
1945	3 BN	982	27	4	250	53	910	100	1,010	281	11	1,569	1,581	925	2,280	3,206
1946	3 BN	983	25	4	217	46	667	89	756	300	8	1,493	1,501	679	2,171	2,850
1947	4 D	983	25	4	213	48	692	92	784	282	9	1,438	1,447	705	2,098	2,803
1948	3 BN	920	18	3	176	38	553	73	627	269	7	1,308	1,314	563	1,883	2,446
1949	4 D	984	17	3	154	35	498	66	565	213	6	1,063	1,069	507	1,547	2,055
1950	3 BN	982	20	3	191	41	595	79	674	254	7	1,270	1,277	606	1,855	2,461
1951	2 AN	986	28	4	247	54	969	103	1,072	287	12	1,576	1,587	985	2,295	3,280
1952	1 W	983	32	5	270	63	911	121	1,032	382	11	1,915	1,927	928	2,783	3,711
1953	1 W	986	20	3	176	38	545	72	617	281	7	1,353	1,360	555	1,941	2,496
1954	2 AN	983	22	3	188	41	590	78	669	252	7	1,260	1,267	601	1,840	2,441
1955	4 D	993	17	3	155	34	485	64	549	207	6	1,035	1,041	494	1,512	2,006
1956	1 W	993	32	5	284	61	1,142	117	1,259	326	14	1,819	1,833	1,161	2,638	3,799
1957	2 AN	983	20	3	181	39	554	74	627	283	7	1,365	1,372	564	1,961	2,525
1958	1 W	959	34	5	293	67	966	128	1,094	357	12	1,742	1,754	983	2,621	3,604
1959	3 BN	990	18	3	151	34	490	65	555	218	6	1,120	1,126	499	1,606	2,105
1960	4 D	983	18	3	167	37	533	71	603	227	7	1,137	1,143	542	1,657	2,199
1961	4 D	983	22	4	182	44	632	84	715	259	8	1,310	1,317	643	1,900	2,543
1962	3 BN	983	21	3	194	43	616	82	697	266	8	1,333	1,341	627	1,939	2,565
1963	1 W	967	22	3	198	42	605	80	685	260	8	1,303	1,310	616	1,905	2,521
1964	4 D	989	24	4	208	46	661	88	749	261	8	1,334	1,343	673	1,961	2,634
1965	1 W	987	27	4	233	51	740	98	838	292	9	1,503	1,512	753	2,204	2,958
1966	3 BN	987	23	3	198	43	616	82	698	297	8	1,450	1,458	627	2,093	2,720
1967	1 W	983	29	4	249	55	794	105	900	297	10	1,545	1,555	809	2,281	3,090
1968	3 BN	983	23	3	188	41	597	79	676	297	7	1,438	1,445	607	2,066	2,674
1969	1 W	983	36	6	298	70	1,014	135	1,148	375	13	2,013	2,025	1,032	2,928	3,960
1970	1 W	983	25	4	226	49	708	94	802	317	9	1,572	1,581	721	2,283	3,003
1971	1 W	985	24	4	204	45	643	85	728	297	8	1,466	1,474	654	2,121	2,775
1972	3 BN	992	22	3	194	41	590	78	668	264	7	1,311	1,318	601	1,909	2,510
1973	2 AN	982	25	4	221	49	699	93	792	261	9	1,354	1,362	711	2,003	2,714
1974	1 W	982	30	5	257	57	819	109	927	338	10	1,710	1,720	834	2,500	3,334
1975	1 W	982	26	4	225	50	717	95	812	309	9	1,550	1,559	730	2,255	2,985
1976	5 C	1,021	21	3	184	41	584	78	662	287	7	1,396	1,403	595	2,006	2,600
1977	5 C	366	6	1	53	12	171	23	193	74	2	361	363	174	528	702
1978	2 AN	983	26	4	219	51	739	98	837	272	9	1,422	1,431	752	2,088	2,840
1979	3 BN	982	27	4	233	52	744	99	842	314	9	1,585	1,595	757	2,310	3,067
1980	2 AN	986	32	5	261	61	879	117	995	354	11	1,854	1,865	894	2,679	3,573
1981	4 D	983	20	3	180	39	557	74	631	285	7	1,372	1,379	567	1,969	2,536
1982	1 W	967	35	6	310	70	1,085	135	1,219	384	15	1,983	1,997	1,105	2,916	4,022
1983	1 W	963	37	6	319	70	1,424	135	1,558	417	16	2,114	2,130	1,445	3,091	4,536
1984	1 W	982	29	4	264	54	1,176	103	1,279	312	14	1,686	1,700	1,194	2,448	3,642
1985	4 D	983	27	4	225	51	737	98	835	292	9	1,477	1,486	750	2,170	2,920
1986	1 W	986	31	5	260	61	879	117	995	361	11	1,915	1,926	894	2,745	3,640
1987	4 D	983	11	2	111	23	334	44	378	154	4	797	801	340	1,140	1,480
1988	5 C	600	7	1	63	13	192	25	217	82	2	409	411	195	600	795
1989	4 D	981	23	4	203	47	679	90	769	260	9	1,343	1,351	691	1,967	2,658
1990	5 C	984	8	1	79	16	235	31	266	112	3	603	606	239	850	1,089
1991	5 C	587	7	1	71	14	200	27	227	86	3	428	430	204	632	836
1992	5 C	984	9	1	83	18	266	35	301	114	3	567	571	271	827	1,098
1993	2 AN	982	26	4	232	52	751	100	851	277	9	1,446	1,455	765	2,133	2,897
1994	5 C	987	19	3	163	36	516	68	584	259	6	1,257	1,263	525	1,802	2,327
1995	1 W	987	30	5	255	60	862	114	976	319	11	1,658	1,669	877	2,437	3,314
1996	1 W	962	24	4	220	48	696	92	788	306	9	1,532	1,541	709	2,223	2,932
1997	1 W	989	31	5	261	58	907	111	1,018	345	12	1,747	1,758	923	2,554	3,477
1998	1 W	876	33	5	279	65	933	124	1,056	393	12	1,970	1,982	949	2,864	3,814
1999	1 W	983	26	4	221	48	693	92	785	312	9	1,542	1,551	706	2,241	2,947
2000	2 AN	983	24	4	209	46	660	88	747	292	8	1,458	1,466	672	2,116	2,788
2001	4 D	984	14	2	129	27	384	51	436	183	5	897	902	391	1,300	1,691
2002	4 D	983	24	4	214	48	686	91	777	260	9	1,347	1,355	698	1,983	2,682

No Action Alternative														
State Water Project (SWP) Allocations							State Water Project (SWP) Delivery Operations							
Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries
(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)									

Table WS-SWP-5k

		No Action Alternative																					
		State Water Project (SWP) Contract Deliveries																					
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region		San Francisco Bay Hydrologic Region		Central Coast Hydrologic Region			Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region			South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Deliveries
		FRSA Settlements	M&I Service		Ag Service	M&I Service	M&I Service	M&I Service	M&I Service	Ag Service	M&I Service	Total	M&I Service	Ag Service	M&I Service	Total	Ag Service	M&I Service	Total				
		(Jan-Dec, TAF)	(Jan-Dec, TAF)		(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)			
AVG:		950	23		4		199		44		658	84	742		267		8	1,353	1,361		670	1,969	2,639
MIN:		366	6		1		53		12		171	23	193		74		2	361	363		174	528	702
MAX:		1,021	37		6		319		70		1,424	135	1,558		423		16	2,127	2,140		1,445	3,100	4,536
DP:	29-34, 76-77	831	12		2		109		24		359	45	404		149		5	763	767		366	1,102	1,468
AVG:	W	976	29		5		252		56		858	108	965		331		11	1,689	1,700		873	2,466	3,338
	AN	983	25		4		218		48		714	93	807		282		9	1,447	1,456		727	2,113	2,840
	BN	981	23		4		207		45		669	86	755		284		8	1,432	1,440		681	2,078	2,758
	D	986	19		3		172		38		558	73	631		236		7	1,190	1,197		568	1,727	2,296
	C	772	11		2		97		21		312	40	352		138		4	692	695		318	998	1,316

Rank	Probability of
1	0.0%
2	1.3%
3	2.5%
4	3.8%
5	5.0%
6	6.3%
7	7.5%
8	8.8%
9	10.0%
10	11.3%
11	12.5%
12	13.8%
13	15.0%
14	16.3%
15	17.5%
16	18.8%
17	20.0%
18	21.3%
19	22.5%
20	23.8%
21	25.0%
22	26.3%
23	27.5%
24	28.8%
25	30.0%
26	31.3%
27	32.5%
28	33.8%
29	35.0%
30	36.3%
31	37.5%
32	38.8%
33	40.0%
34	41.3%
35	42.5%
36	43.8%
37	45.0%
38	46.3%
39	47.5%
40	48.8%
41	50.0%
42	51.3%
43	52.5%
44	53.8%
45	55.0%
46	56.3%
47	57.5%
48	58.8%
49	60.0%
50	61.3%
51	62.5%
52	63.8%
53	65.0%
54	66.3%
55	67.5%
56	68.8%
57	70.0%
58	71.3%
59	72.5%
60	73.8%
61	75.0%
62	76.3%
63	77.5%
64	78.8%
65	80.0%
66	81.3%
67	82.5%
68	83.8%
69	85.0%
70	86.3%
71	87.5%
72	88.8%
73	90.0%
74	91.3%
75	92.5%
76	93.8%
77	95.0%
78	96.3%
79	97.5%
80	98.8%
81	100.0%

1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536
1,016	36	6	310	70	1,176	135	1,279	417	15	2,114	2,130	1,194	3,091	4,133
994	36	6	308	70	1,142	135	1,259	393	14	2,013	2,025	1,161	2,928	4,022
993	35	6	298	70	1,085	135	1,219	384	14	1,983	1,997	1,105	2,916	3,960
993	34	5	293	67	1,015	128	1,150	382	13	1,970	1,982	1,033	2,864	3,814
992	33	5	284	65	1,014	124	1,148	375	13	1,915	1,927	1,032	2,783	3,799
990	32	5	279	63	980	121	1,096	361	12	1,915	1,926	997	2,745	3,711
989	32	5	279	61	969	117	1,094	357	12	1,854	1,865	985	2,679	3,669
989	32	5	270	61	966	117	1,072	354	12	1,836	1,848	983	2,673	3,642
989	31	5	264	61	933	117	1,056	350	12	1,819	1,833	949	2,638	3,640
989	31	5	261	61	911	117	1,032	345	12	1,747	1,758	928	2,621	3,604
988	31	5	261	60	910	114	1,018	338	11	1,742	1,754	925	2,554	3,573
987	30	5	260	58	907	111	1,010	326	11	1,710	1,720	923	2,500	3,477
987	30	5	257	57	879	109	995	319	11	1,686	1,700	894	2,448	3,334
987	30	5	255	57	879	109	995	319	11	1,658	1,669	894	2,437	3,314
987	29	5	255	56	862	107	976	317	11	1,645	1,656	877	2,416	3,280
987	29	4	250	55	819	105	928	314	10	1,590	1,600	834	2,332	3,249
986	29	4	249	54	819	103	927	312	10	1,585	1,595	834	2,310	3,206
986	28	4	247	54	809	103	917	312	10	1,576	1,587	824	2,295	3,156
986	27	4	241	53	794	100	900	309	10	1,572	1,581	809	2,283	3,090
986	27	4	233	52	751	100	851	309	9	1,569	1,581	765	2,281	3,067
985	27	4	233	52	744	99	842	306	9	1,550	1,559	757	2,280	3,003
985	27	4	232	52	744	99	842	304	9	1,545	1,555	757	2,255	2,985
985	27	4	232	52	743	99	841	300	9	1,542	1,551	756	2,241	2,958
984	26	4	230	51	740	98	838	300	9	1,532	1,541	753	2,223	2,947
984	26	4	227	51	739	98	837	300	9	1,503	1,512	752	2,204	2,932
984	26	4	226	51	737	98	835	297	9	1,495	1,503	750	2,171	2,920
984	26	4	225	50	721	96	817	297	9	1,494	1,503	734	2,170	2,897
983	26	4	225	50	717	95	812	297	9	1,493	1,501	730	2,167	2,870
983	25	4	221	49	708	94	802	297	9	1,493	1,501	721	2,163	2,869
983	25	4	221	49	699	93	792	292	9	1,477	1,486	711	2,163	2,853
983	25	4	220	48	696	92	788	292	9	1,466	1,474	709	2,133	2,850
983	25	4	219	48	693	92	785	292	9	1,458	1,466	706	2,121	2,846
983	25	4	217	48	692	92	784	290	9	1,450	1,458	705	2,116	2,840
983	24	4	214	48	686	91	777	287	9	1,446	1,455	698	2,114	2,830
983	24	4	213	47	679	90	769	287	9	1,438	1,447	691	2,112	2,803
983	24	4	212	47	674	90	764	285	8	1,438	1,445	687	2,098	2,788
983	24	4	210	47	671	89	760	283	8	1,432	1,441	683	2,093	2,787
983	24	4	209	46	667	89	756	282	8	1,430	1,439	679	2,088	2,775
983	24	4	208	46	661	88	749	281	8	1,422	1,431	673	2,066	2,720
983	24	4	208	46	660	88	747	281	8	1,404	1,412	672	2,053	2,714
983	24	4	204	46	655	87	742	280	8	1,396	1,403	667	2,021	2,682
983	23	4	203	45	643	85	728	277	8	1,387	1,397	654	2,006	2,674
983	23	4	198	44	633	84	715	275	8	1,372	1,379	644	2,003	2,658
983	23	4	198	44	632	83	711	274	8	1,365	1,372	643	1,983	2,634
983	22	3	198	43	627	82	707	272	8	1,354	1,362	639	1,969	2,620
983	22	3	194	43	616	82	698	269	8	1,353	1,360	627	1,967	2,600
983	22	3	194	42	616	80	697	266	8	1,347	1,355	627	1,961	2,565
983	22	3	193	41	605	79	685	266	8	1,343	1,351	616	1,961	2,551
983	22	3	191	41	597	79	676	264	7	1,334	1,343	607	1,941	2,543
983	22	3	188	41	595	78	674	261	7	1,333	1,341	606	1,939	2,536
983	21	3	188	41	590	78	669	261	7	1,325	1,332	601	1,912	2,525
983	21	3	186	41	590	78	668	260	7	1,311	1,318	601	1,909	2,521
983	20	3	184	41	588	78	666	260	7	1,310	1,317	598	1,905	2,510
982	20	3	182	39	584	75	662	260	7	1,308	1,314	595	1,900	2,496
982	20	3	181	39	557	74	631	260	7	1,306	1,314	567	1,894	2,461
982	20	3	180	39	554	74	627	259	7	1,303	1,310	564	1,883	2,461
982	20	3	176	38	553	73	627	259	7	1,270	1,277	563	1,855	2,446
982	19	3	176	38	545	72	617	259	7	1,260	1,267	555	1,840	2,441
982	19	3	167	37	541	71	603	254	7	1,257	1,263	550	1,817	2,426
982	18	3	163	36	533	69	595	252	7	1,253	1,260	542	1,802	2,327
982	18	3	163	36	531	68	592	240	7	1,252	1,260	540	1,796	2,313
982	18	3	162	35	522	67	584	227	7	1,137	1,143	532	1,657	2,199
982	18	3	155	35	516	66	583	218	6	1,120	1,126	525	1,606	2,105

Table WS-CVP-5a

Alternative B
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period ¹	61%	48%	85%	79%	97%	97%	97%
Water Year Types ²							
Wet (32%)	94%	77%	99%	93%	100%	100%	100%
Above Normal (15%)	84%	59%	96%	85%	100%	100%	100%
Below Normal (17%)	55%	37%	85%	75%	100%	100%	100%
Dry (22%)	39%	32%	77%	73%	99%	99%	99%
Critical (15%)	10%	10%	58%	58%	83%	85%	83%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period ¹	1,136	516	1,652	2,792	565
Water Year Types ²					
Wet (32%)	1,810	530	2,339	2,807	591
Above Normal (15%)	1,440	523	1,964	2,823	582
Below Normal (17%)	915	509	1,425	2,855	585
Dry (22%)	756	519	1,276	2,841	565
Critical (15%)	224	485	709	2,583	469

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period ¹	431	71	62
Water Year Types ²			
Wet (32%)	453	97	40
Above Normal (15%)	444	91	46
Below Normal (17%)	448	81	56
Dry (22%)	430	55	81
Critical (15%)	354	11	104

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-5a
Alternative B
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	216	211	1,939	288	16	852	36	290	596
Water Year Types²									
Wet (32%)	326	241	1,932	468	18	875	58	271	958
Above Normal (15%)	300	239	1,949	355	17	875	44	268	742
Below Normal (17%)	196	211	1,980	224	15	875	28	283	468
Dry (22%)	139	192	1,977	192	15	864	24	312	401
Critical (15%)	36	148	1,842	59	11	741	7	326	122

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	158	1	26	261	56	30	12	14	7
Water Year Types²									
Wet (32%)	172	2	26	269	77	12	12	19	3
Above Normal (15%)	163	2	26	269	72	16	12	17	4
Below Normal (17%)	167	1	26	269	64	25	12	16	5
Dry (22%)	153	1	26	265	43	44	12	10	10
Critical (15%)	120	0	23	224	9	65	10	2	16

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative B
6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
	Long-term
Full Simulation Period ¹	0
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-5b

**No Action Alternative
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period ¹	60%	48%	85%	79%	97%	97%	97%
Water Year Types ²							
Wet (32%)	93%	77%	99%	93%	100%	100%	100%
Above Normal (15%)	84%	58%	96%	84%	100%	100%	100%
Below Normal (17%)	55%	39%	84%	76%	100%	100%	100%
Dry (22%)	37%	31%	77%	73%	99%	99%	99%
Critical (15%)	10%	10%	58%	58%	83%	85%	83%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar- Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period ¹	1,138	516	1,654	2,786	562
Water Year Types ²					
Wet (32%)	1,820	530	2,350	2,801	587
Above Normal (15%)	1,423	521	1,944	2,817	577
Below Normal (17%)	952	509	1,461	2,849	583
Dry (22%)	732	518	1,250	2,835	564
Critical (15%)	224	486	711	2,578	465

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type**

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar- Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period ¹	428	0	134
Water Year Types ²			
Wet (32%)	450	0	137
Above Normal (15%)	440	0	137
Below Normal (17%)	445	0	137
Dry (22%)	429	0	136
Critical (15%)	350	0	115

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-5b
No Action Alternative
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	213	211	1,934	290	16	852	36	290	599
Water Year Types²									
Wet (32%)	323	241	1,927	470	18	875	58	271	968
Above Normal (15%)	297	238	1,942	353	17	875	43	266	730
Below Normal (17%)	197	210	1,974	235	15	875	29	284	491
Dry (22%)	131	192	1,971	188	14	864	23	312	390
Critical (15%)	36	148	1,837	60	11	741	7	327	122

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	155	0	27	261	0	86	12	0	20
Water Year Types²									
Wet (32%)	168	0	28	269	0	89	12	0	21
Above Normal (15%)	159	0	28	269	0	89	12	0	21
Below Normal (17%)	164	0	28	269	0	89	12	0	21
Dry (22%)	151	0	27	265	0	87	12	0	21
Critical (15%)	116	0	23	224	0	74	10	0	18

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
	Long-term
Full Simulation Period ¹	0
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-5c

Difference: Alternative B minus No Action Alternative
 1-Central Valley Project (CVP) Allocation
 Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period ¹	1%	0%	0%	0%	0%	0%	0%
Water Year Types ²							
Wet (32%)	1%	0%	0%	0%	0%	0%	0%
Above Normal (15%)	1%	0%	0%	1%	0%	0%	0%
Below Normal (17%)	0%	-2%	1%	-1%	0%	0%	0%
Dry (22%)	2%	1%	0%	0%	0%	0%	0%
Critical (15%)	0%	0%	0%	0%	0%	0%	0%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative B minus No Action Alternative
 2-Central Valley Project (CVP) Contract Deliveries
 Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period ¹	-2	0	-2	6	3
Water Year Types ²					
Wet (32%)	-10	0	-10	5	4
Above Normal (15%)	17	3	20	7	5
Below Normal (17%)	-37	0	-36	6	2
Dry (22%)	24	1	25	6	1
Critical (15%)	-1	-1	-2	5	4

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative B minus No Action Alternative
 3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
 Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period ¹	3	71	-71
Water Year Types ²			
Wet (32%)	4	97	-97
Above Normal (15%)	5	91	-91
Below Normal (17%)	2	81	-81
Dry (22%)	1	55	-55
Critical (15%)	4	11	-11

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-5c
 Difference: Alternative B minus No Action Alternative
 4-Central Valley Project (CVP) Contract Deliveries
 Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	3	0	6	-2	0	0	0	0	-3
Water Year Types²									
Wet (32%)	3	0	5	-3	0	0	0	0	-10
Above Normal (15%)	3	1	7	2	0	0	1	2	12
Below Normal (17%)	-1	1	6	-11	0	0	-1	-1	-23
Dry (22%)	8	1	6	4	0	0	1	0	12
Critical (15%)	0	0	5	-1	0	0	0	-1	0

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative B minus No Action Alternative
 5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
 Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	3	1	-1	0	56	-56	0	14	-14
Water Year Types²									
Wet (32%)	4	2	-2	0	77	-77	0	19	-19
Above Normal (15%)	5	2	-2	0	72	-72	0	17	-17
Below Normal (17%)	2	1	-1	0	64	-64	0	16	-16
Dry (22%)	1	1	-1	0	43	-43	0	10	-10
Critical (15%)	4	0	0	0	9	-9	0	2	-2

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative B minus No Action Alternative

6-NODOS Local Deliveries
 Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
	Long-term
Full Simulation Period	0
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-5d

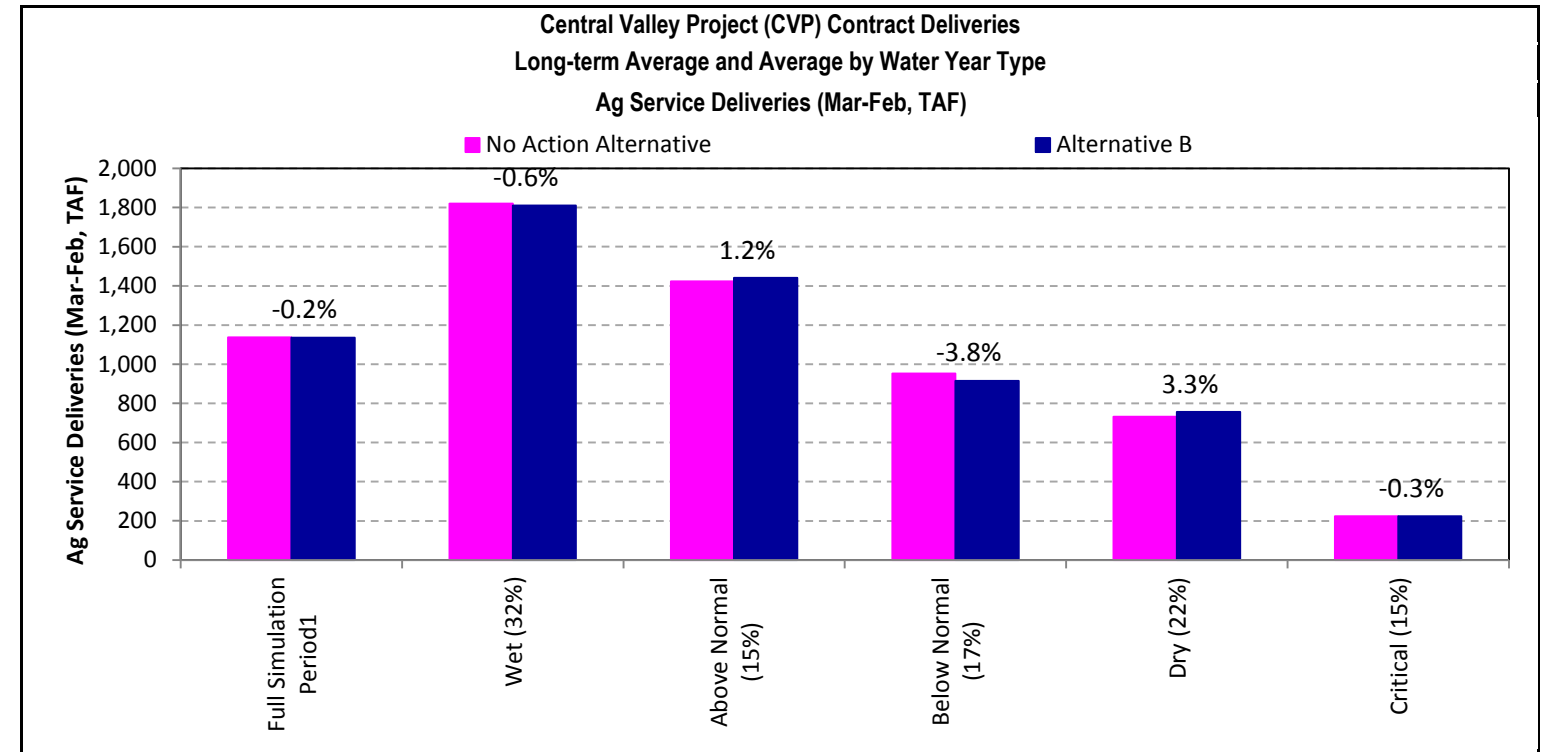
Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	SOD Ag Service Allocation (EO		Ag Service Deliveries (Mar-Feb, TAF)
	Ag Service Allocation (EO May)	May)	
Long-term			
Full Simulation Period¹			
No Action Alternative	60%	48%	1,138
Alternative B	61%	48%	1,136
Difference	1%	0%	-2
Percent Difference ³			-0.2%
Water Year Types²			
Wet (32%)			
No Action Alternative	93%	77%	1,820
Alternative B	94%	77%	1,810
Difference	1%	0%	-10
Percent Difference			-0.6%
Above Normal (15%)			
No Action Alternative	84%	58%	1,423
Alternative B	84%	59%	1,440
Difference	1%	0%	17
Percent Difference			1.2%
Below Normal (17%)			
No Action Alternative	55%	39%	952
Alternative B	55%	37%	915
Difference	0%	-2%	-37
Percent Difference			-3.8%
Dry (22%)			
No Action Alternative	37%	31%	732
Alternative B	39%	32%	756
Difference	2%	1%	24
Percent Difference			3.3%
Critical (15%)			
No Action Alternative	10%	10%	224
Alternative B	10%	10%	224
Difference	0%	0%	-1
Percent Difference			-0.3%

¹ Based on the 82-year simulation period

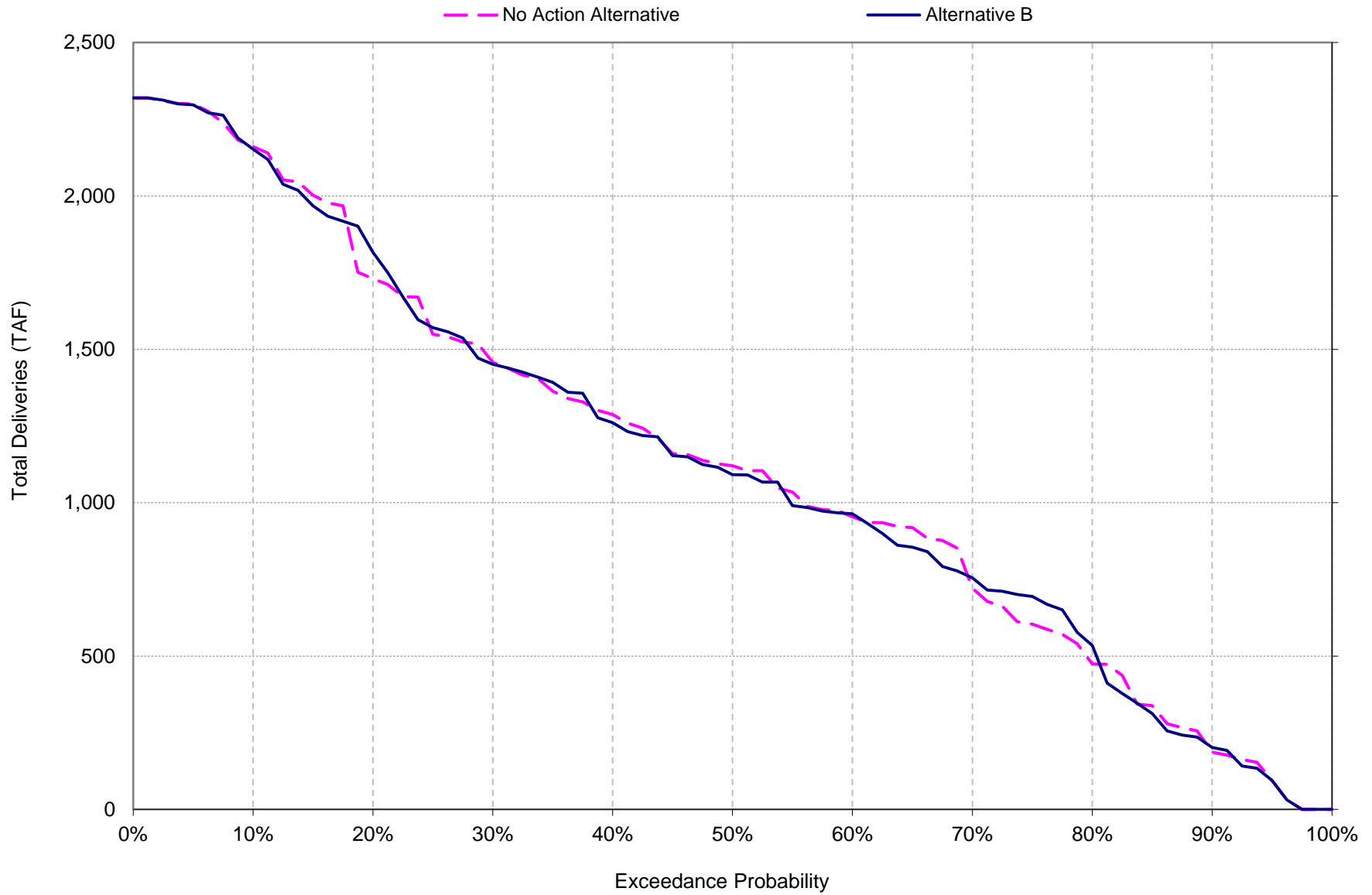
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-5e
Central Valley Project (CVP) Total Ag Service Contract Deliveries
Probability Exceedance Chart



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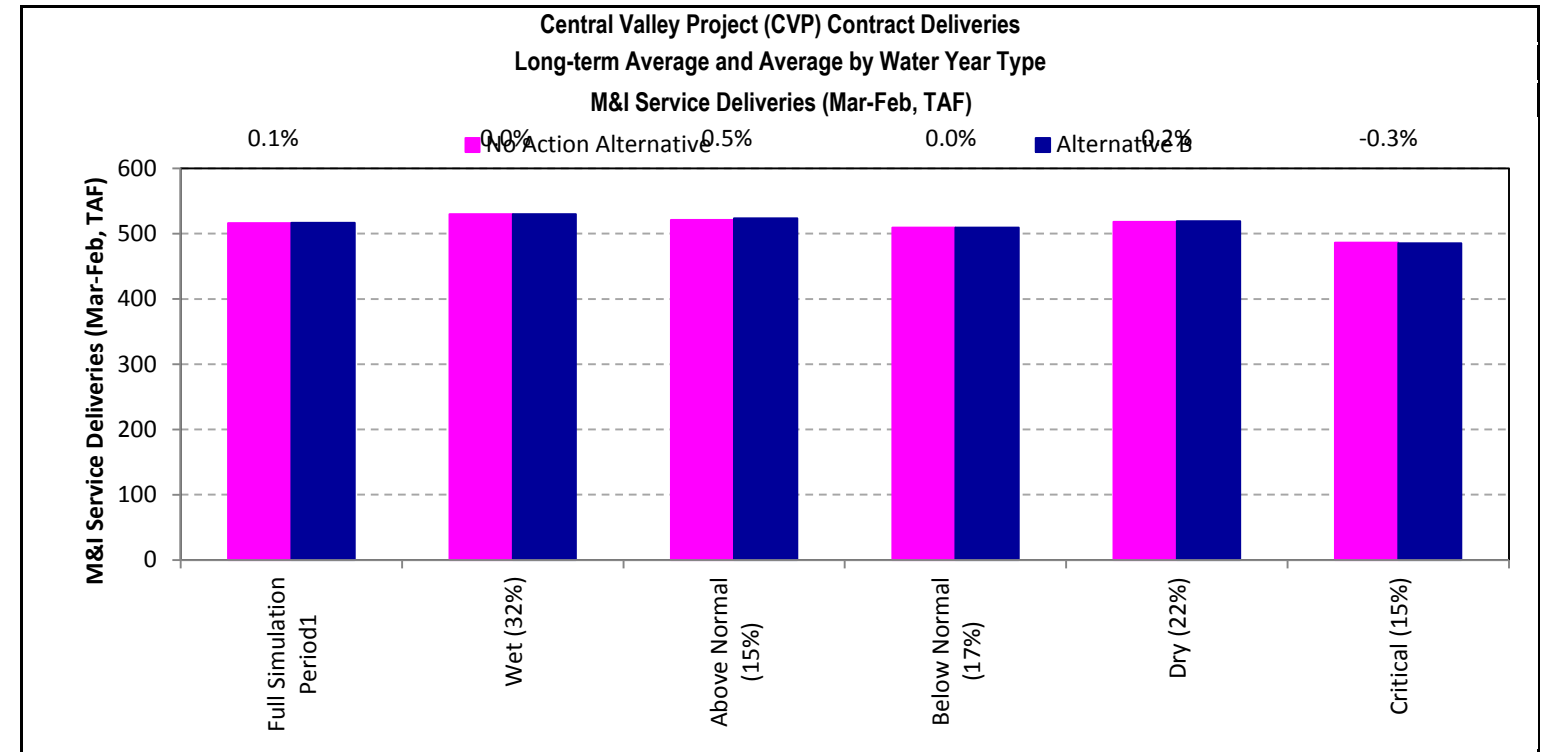
Table WS-CVP-5f

Central Valley Project (CVP) Contract Deliveries Long-term Average and Average by Water Year Type			
Analysis Period	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	M&I Service Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period¹			
No Action Alternative	85%	79%	516
Alternative B	85%	79%	516
Difference	0%	0%	0
Percent Difference ³			0.1%
Water Year Types²			
Wet (32%)			
No Action Alternative	99%	93%	530
Alternative B	99%	93%	530
Difference	0%	0%	0
Percent Difference			0.0%
Above Normal (15%)			
No Action Alternative	96%	84%	521
Alternative B	96%	85%	523
Difference	0%	1%	3
Percent Difference			0.5%
Below Normal (17%)			
No Action Alternative	84%	76%	509
Alternative B	85%	75%	509
Difference	1%	-1%	0
Percent Difference			0.0%
Dry (22%)			
No Action Alternative	77%	73%	518
Alternative B	77%	73%	519
Difference	0%	0%	1
Percent Difference			0.2%
Critical (15%)			
No Action Alternative	58%	58%	486
Alternative B	58%	58%	485
Difference	0%	0%	-1
Percent Difference			-0.3%

¹ Based on the 82-year simulation period

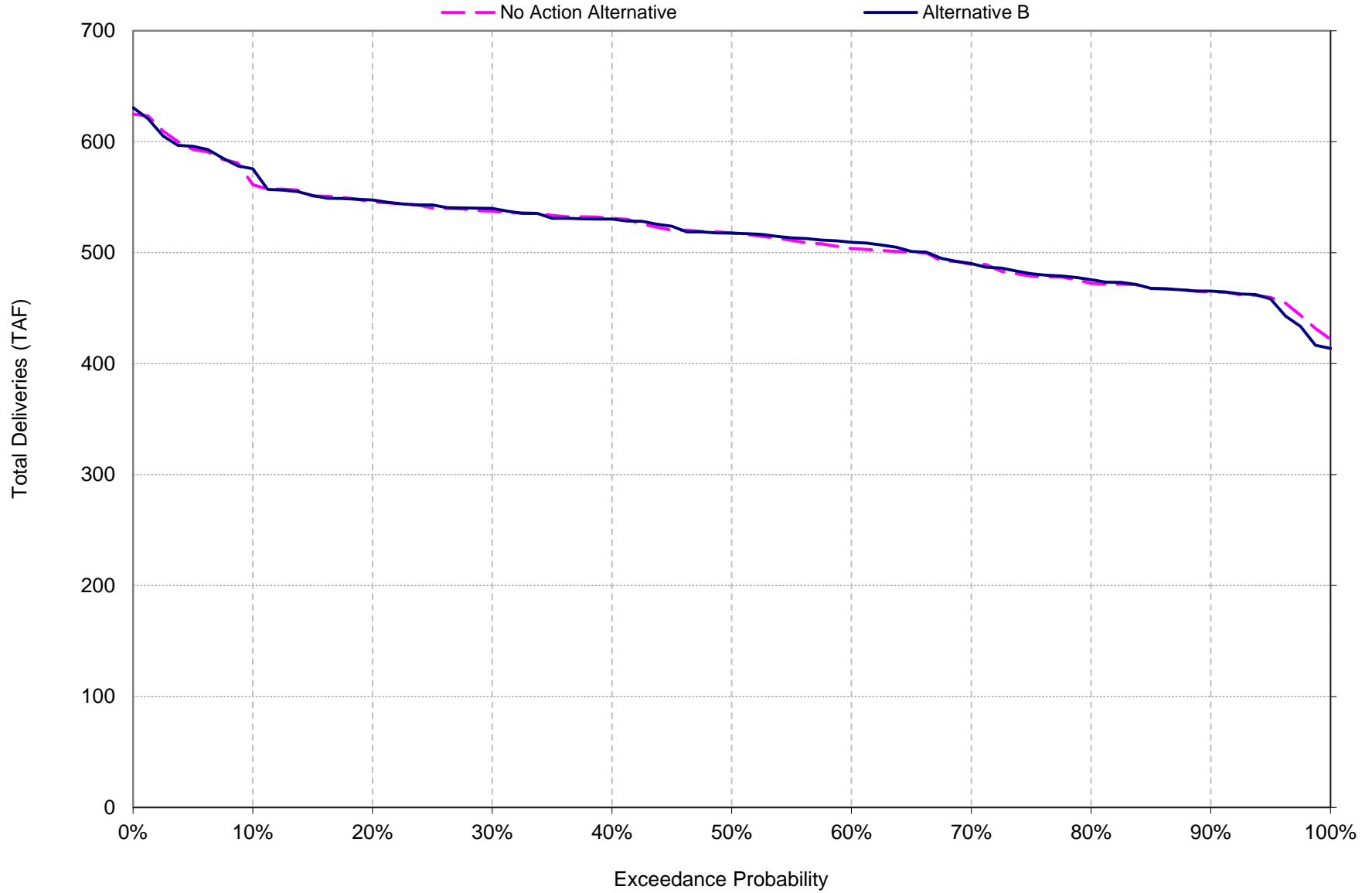
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-5g
Central Valley Project (CVP) Total M&I Service Contract Deliveries
Probability Exceedance Chart



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Table WS-CVP-5h

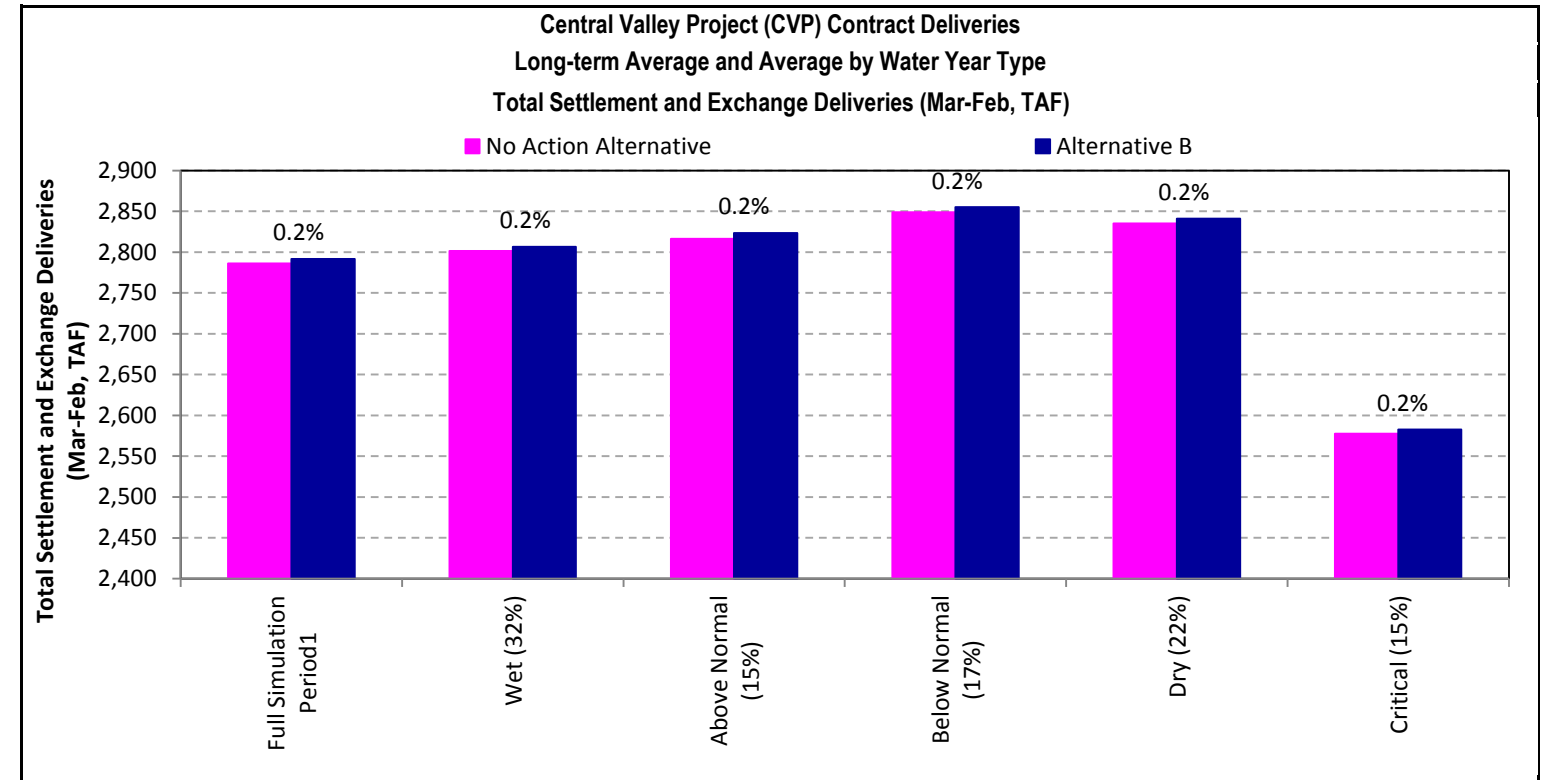
Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period¹			
No Action Alternative	97%	97%	2,786
Alternative B	97%	97%	2,792
Difference	0%	0%	6
Percent Difference ³			0.2%
Water Year Types²			
Wet (32%)			
No Action Alternative	100%	100%	2,801
Alternative B	100%	100%	2,807
Difference	0%	0%	5
Percent Difference			0.2%
Above Normal (15%)			
No Action Alternative	100%	100%	2,817
Alternative B	100%	100%	2,823
Difference	0%	0%	7
Percent Difference			0.2%
Below Normal (17%)			
No Action Alternative	100%	100%	2,849
Alternative B	100%	100%	2,855
Difference	0%	0%	6
Percent Difference			0.2%
Dry (22%)			
No Action Alternative	99%	99%	2,835
Alternative B	99%	99%	2,841
Difference	0%	0%	6
Percent Difference			0.2%
Critical (15%)			
No Action Alternative	83%	85%	2,578
Alternative B	83%	85%	2,583
Difference	0%	0%	5
Percent Difference			0.2%

¹ Based on the 82-year simulation period

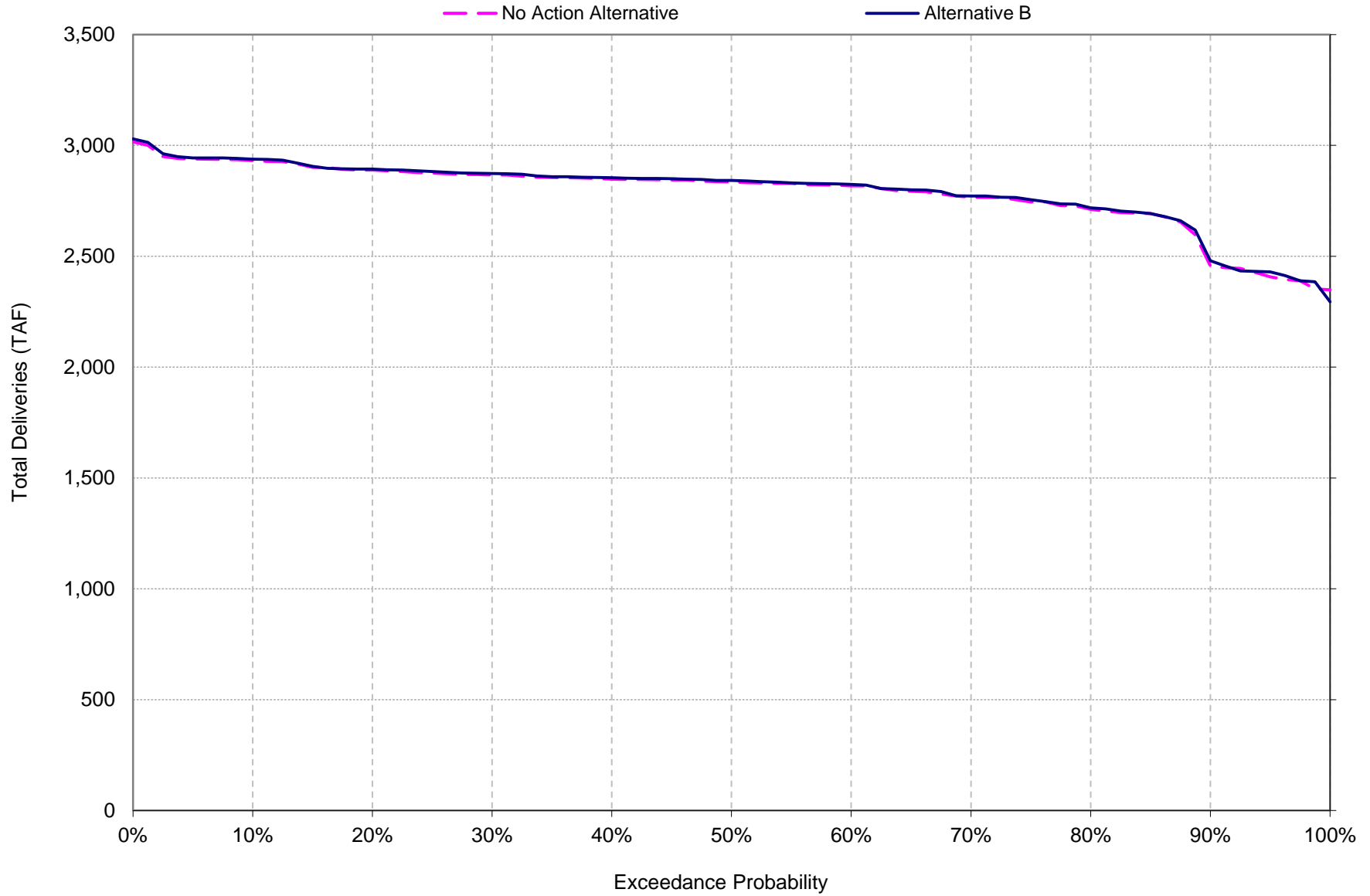
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-5i
Central Valley Project (CVP) Settlement and Exchange Contract Deliveries
Probability Exceedance Chart

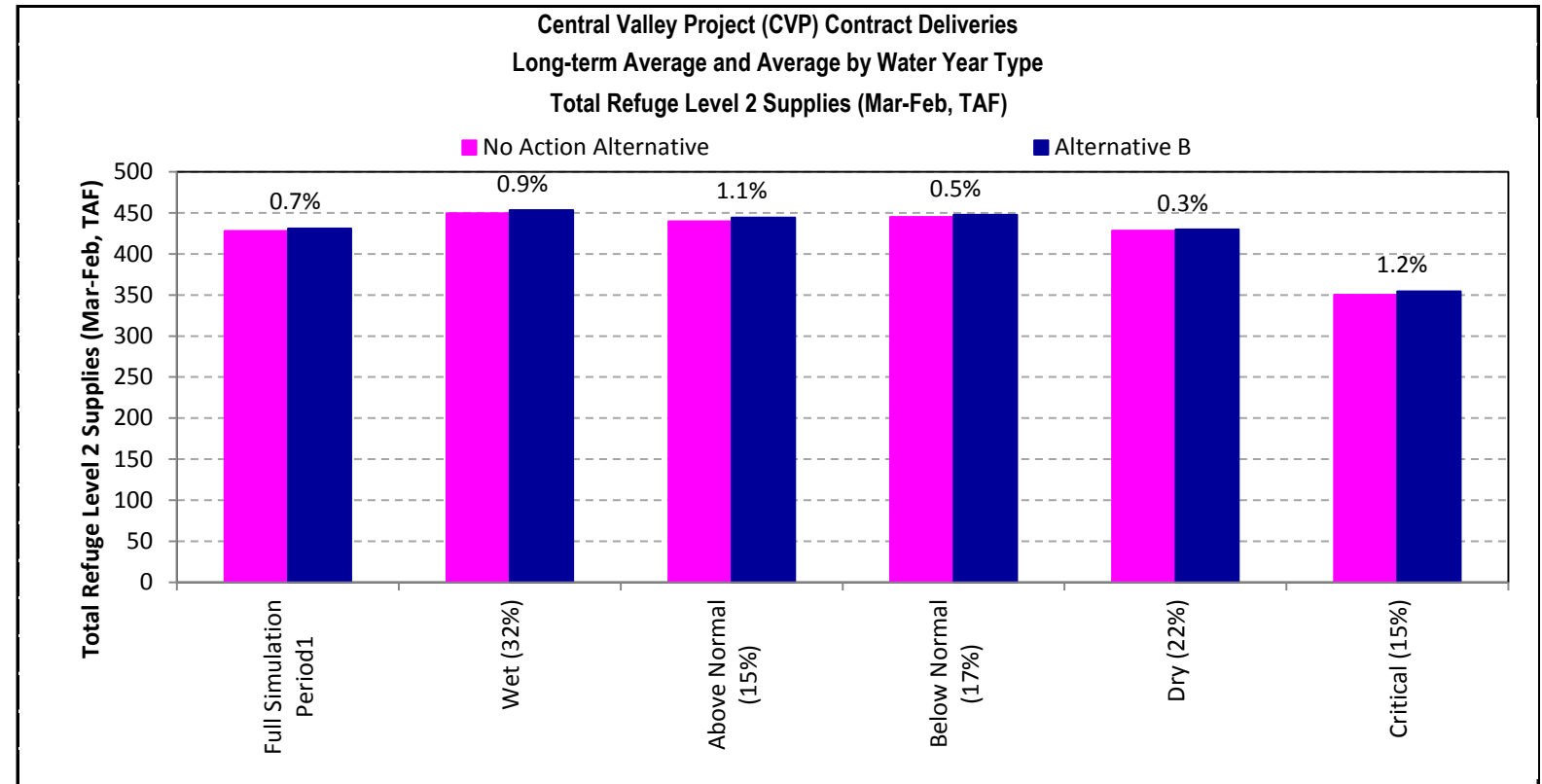


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Table WS-CVP-5j

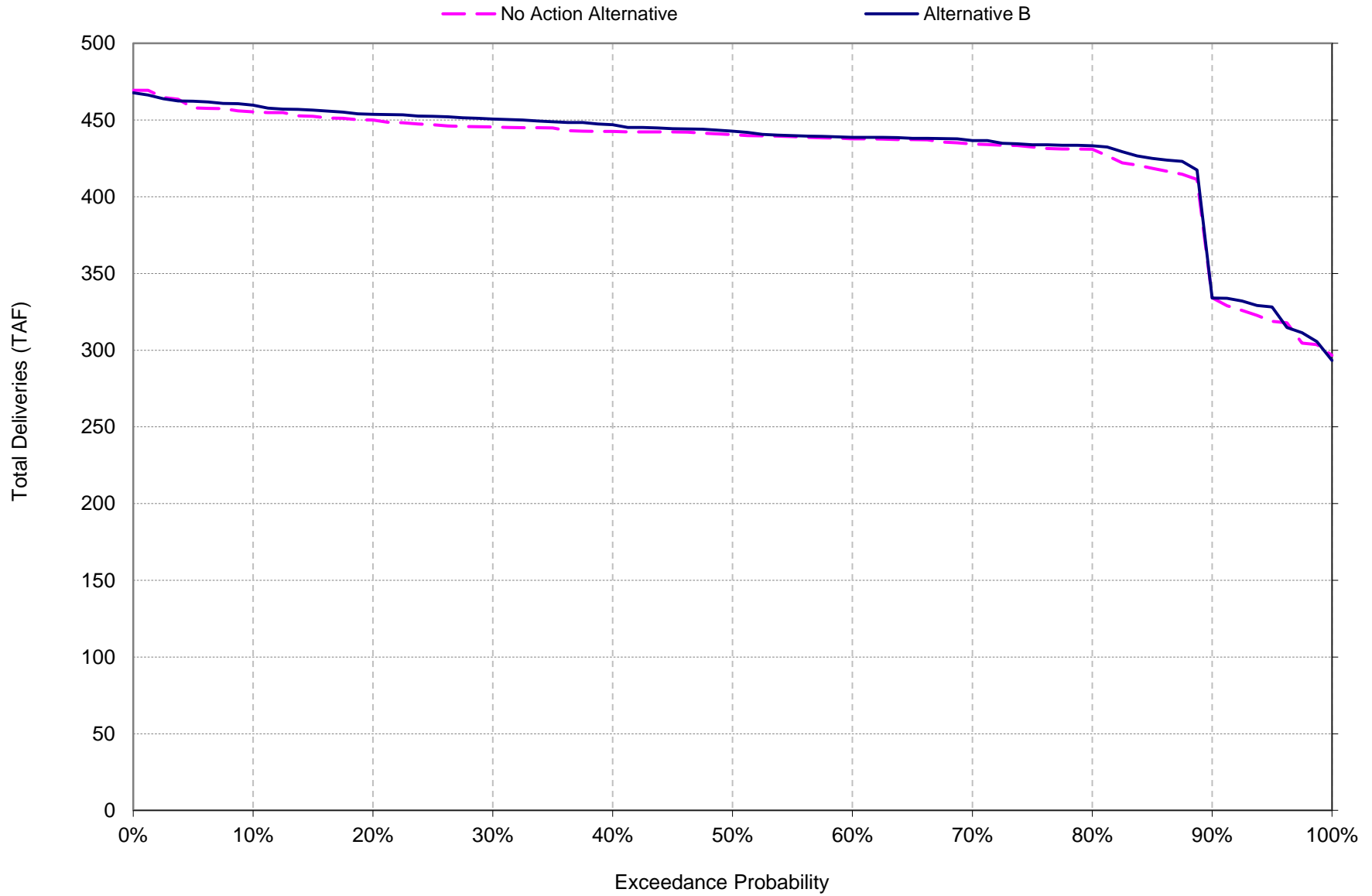
Central Valley Project (CVP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	Refuge Level 2 Contract Allocation (EO May)	Total Refuge Level 2 Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	97%	428
Alternative B	97%	431
Difference	0%	3
Percent Difference ³		0.7%
Water Year Types²		
Wet (32%)		
No Action Alternative	100%	450
Alternative B	100%	453
Difference	0%	4
Percent Difference		0.9%
Above Normal (15%)		
No Action Alternative	100%	440
Alternative B	100%	444
Difference	0%	5
Percent Difference		1.1%
Below Normal (17%)		
No Action Alternative	100%	445
Alternative B	100%	448
Difference	0%	2
Percent Difference		0.5%
Dry (22%)		
No Action Alternative	99%	429
Alternative B	99%	430
Difference	0%	1
Percent Difference		0.3%
Critical (15%)		
No Action Alternative	83%	350
Alternative B	83%	354
Difference	0%	4
Percent Difference		1.2%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)
³ Relative difference of the monthly average



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Figure WS-CVP-5k
Central Valley Project (CVP) Refuge Level 2 Supplies
Probability Exceedance Chart



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Table WS-CVP-5I

Alternative B

Central Valley Project (CVP) Contract Deliveries

Sacramento Valley 40-30-30 Index

Sacramento River Hydrologic Region

San Joaquin River Hydrologic Region

San Francisco Bay Hydrologic Region

Tulare Lake Hydrologic Region

Year	AN	D	BN	C	Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region								San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region				
					Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	
					(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
1922	2	AN				357	249	2,019	167	2	26	0	2,820	480	20	875	269	78	11	1,732	59	288	347	1,005	12	19	2	1,038
1923	3	BN				231	214	2,007	157	3	25	0	2,637	260	15	875	269	78	11	1,507	32	261	293	545	12	19	2	578
1924	5	C				22	147	1,806	104	0	21	0	2,100	37	11	674	202	0	66	990	5	328	332	78	9	0	16	103
1925	4	D				208	198	1,872	153	0	28	0	2,459	317	16	875	269	0	89	1,565	40	278	318	667	12	0	21	701
1926	4	D				48	171	1,880	152	0	28	0	2,279	82	13	875	269	0	89	1,327	10	345	355	172	12	0	21	205
1927	1	W				357	245	1,976	158	2	26	0	2,764	377	17	875	269	70	19	1,627	46	263	309	790	12	15	6	823
1928	2	AN				160	194	1,976	154	2	25	0	2,511	212	15	875	269	78	11	1,459	26	256	282	442	12	19	2	476
1929	5	C				0	133	2,045	142	0	28	0	2,348	0	10	875	269	22	67	1,242	0	324	324	0	12	5	16	33
1930	4	D				55	164	1,949	158	0	28	0	2,354	91	13	875	269	3	86	1,336	11	352	363	189	12	0	21	223
1931	5	C				30	160	1,758	101	0	21	0	2,069	51	12	674	202	0	66	1,004	6	262	268	106	9	0	16	131
1932	4	D				37	149	1,761	123	0	21	0	2,091	64	12	674	202	0	66	1,017	8	255	263	134	9	0	16	159
1933	5	C				5	128	1,783	118	0	21	0	2,055	8	10	674	202	0	66	960	1	325	326	17	9	0	16	42
1934	5	C				20	140	1,621	83	0	21	0	1,884	36	11	674	202	0	66	988	4	333	337	74	9	0	16	99
1935	3	BN				34	163	1,891	169	0	28	0	2,284	52	12	875	269	0	89	1,296	7	239	246	110	12	0	21	143
1936	3	BN				116	189	1,946	172	1	27	0	2,452	198	15	875	269	28	61	1,446	24	261	285	416	12	7	14	449
1937	3	BN				106	205	1,956	187	1	27	0	2,481	175	15	875	269	75	14	1,422	22	258	281	365	12	19	2	398
1938	1	W				357	240	1,954	180	2	26	0	2,758	610	20	875	269	78	11	1,862	75	280	355	1,278	12	19	2	1,311
1939	4	D				128	187	2,154	144	1	27	0	2,641	207	15	875	269	43	46	1,454	26	383	408	431	12	10	11	465
1940	2	AN				267	248	1,917	153	1	27	0	2,612	267	15	875	269	32	57	1,514	33	256	289	558	12	5	16	591
1941	1	W				329	248	1,803	175	2	26	0	2,583	531	20	875	269	78	11	1,783	66	280	345	1,112	12	19	2	1,146
1942	1	W				349	240	1,860	170	2	26	0	2,648	506	17	875	269	78	11	1,755	62	280	342	1,016	12	19	2	1,050
1943	1	W				280	243	1,977	175	2	26	0	2,703	477	20	875	269	78	11	1,730	59	280	338	1,000	12	19	2	1,034
1944	4	D				89	191	1,968	152	2	26	0	2,428	152	15	875	269	78	11	1,399	19	274	292	318	12	19	2	351
1945	3	BN				212	212	1,923	170	1	27	0	2,545	356	17	875	269	78	11	1,605	44	272	316	744	12	19	2	777
1946	3	BN				289	238	2,069	170	2	26	0	2,793	348	16	875	269	78	11	1,597	43	270	313	729	12	19	2	762
1947	4	D				151	179	2,003	159	1	27	0	2,520	253	15	875	269	61	27	1,500	32	274	305	528	12	17	4	562
1948	3	BN				252	223	1,743	158	1	26	0	2,403	143	15	875	269	78	11	1,390	18	257	275	298	12	19	2	331
1949	4	D				227	214	1,995	157	2	26	0	2,621	308	15	875	269	78	11	1,555	39	276	314	641	12	19	2	675
1950	3	BN				108	196	2,022	172	2	26	0	2,526	182	15	875	269	78	11	1,429	23	260	283	381	12	19	2	414
1951	2	AN				343	247	1,987	164	2	26	0	2,768	377	17	875	269	78	11	1,627	46	271	318	791	12	19	2	824
1952	1	W				357	246	1,962	179	2	26	0	2,771	608	20	875	269	78	11	1,860	75	280	355	1,272	12	19	2	1,306
1953	1	W				353	238	1,965	168	2	26	0	2,752	229	15	875	269	78	11	1,476	28	248	276	480	12	19	2	513
1954	2	AN				357	246	1,898	166	2	26	0	2,695	248	15	875	269	78	11	1,495	30	256	286	519	12	19	2	552
1955	4	D				153	190	2,018	159	2	26	0	2,547	260	15	875	269	78	11	1,508	32	274	306	546	12	19	2	579
1956	1	W				357	244	1,997	174	2	25	0	2,800	501	20	875	269	78	11	1,753	61	280	341	1,049	12	19	2	1,082
1957	2	AN				252	244	1,980	161	2	26	0	2,664	189	15	875	269	78	11	1,437	23	256	279	397	12	19	2	430
1958	1	W				336	243	1,843	181	2	25	0	2,631	601	20	875	269	78	11	1,854	75	280	354	1,259	12	19	2	1,293
1959	3	BN				237	217	2,087	151	3	25	0	2,720	168	15	875	269	78	11	1,415	21	373	394	352	12	19	2	386
1960	4	D				109	175	1,983	156	1	27	0	2,452	184	15	875	269	78	11	1,431	23	326	349	384	12	19	2	418
1961	4	D				173	187	1,984	153	0	28	0	2,524	249	15	875	269	3	86	1,496	31	274	305	520	12	0	21	553
1962	3	BN				242	233	2,014	158	0	28	0	2,675	257	15	875	269	16	73	1,504	32	373	405	536	12	3	18	570
1963	1	W				341	243	1,839	163	1	27	0	2,614	327	16	875	269	78	11	1,575	40	252	293	685	12	19	2	718
1964	4	D				100	194	2,069	158	1	27	0	2,548	171	15	875	269	78	11	1,418	21	327	348	359	12	19	2	392
1965	1	W				260	240	1,952	167	2	26	0	2,648	435	17	875	269	78	11	1,684	55	274	328	846	12	19	2	879
1966	3	BN				322	242	2,068	160	2	25	0	2,819	239	15	875	269	78	11	1,486	29	261	290	501	12	19	2	535
1967	1	W				338	241	1,818	172	2	26	0	2,597	609	20	875	269	78	11	1,861	75	280	355	1,275	12	19	2	1,308
1968	3	BN				234	227	1,952	169	2	26	0	2,610	207	15	875	269	78	11	1,454	25	355	380	433	12	19	2	466
1969	1	W				357	248	2,000	181	2	26	0	2,814	610	20	875	269	78	11	1,862	75	280	355	1,278	12	19	2	1,311
1970	1	W				241	231	2,016	157	2	25	0	2,673	376	17	875	269	78	11	1,626	46	262	309	787	12	19	2	821
1971	1	W				319	246	2,066	163	1	26	0	2,822	191	15	875	269	78	11	1,438	23	248	271	399	12	19	2	433
1972	3	BN				187	205	2,074	166	2	26	0	2,660	243	15	875	269	78	11	1,490	30	261	291	508	12	19	2	541
1973	2	AN				357	252	1,971	171	1	27	0	2,779	336	16	875	269	78	11	1,585	41	262	304	704	12	19	2	737
1974	1	W				353	243	1,925	180	2	25	0	2,728	524	17	875	269	78	11	1,774	64	280	344	1,078	12	19	2	1,111

Table WS-CVP-5I

Alternative B

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30 Index	Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region						San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region					
		Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
AVG:		216	211	1,939	158	1	26	0	2,551	288	16	852	261	56	30	1,504	36	290	325	596	12	14	7	629
MIN:		0	122	1,621	83	0	21	0	1,884	0	10	674	202	0	11	960	0	239	246	0	9	0	2	33
MAX:		357	256	2,154	187	3	28	0	2,848	610	20	875	269	78	89	1,862	75	389	424	1,278	12	19	21	1,311
DP:	29-34, 76-77 and 87-92	32	151	1,877	128	0	24	0	2,212	54	12	774	235	11	67	1,152	7	316	323	112	11	2	16	141
AVG:	W AN BN D C	326	241	1,932	172	2	26	0	2,699	468	18	875	269	77	12	1,718	58	271	328	958	12	19	3	991
		300	239	1,949	163	2	26	0	2,678	355	17	875	269	72	16	1,604	44	268	312	742	12	17	4	775
		196	211	1,980	167	1	26	0	2,582	224	15	875	269	64	25	1,471	28	283	311	468	12	16	5	501
		139	192	1,977	153	1	26	0	2,489	192	15	864	265	43	44	1,423	24	312	336	401	12	10	10	434
		36	148	1,842	120	0	23	0	2,169	59	11	741	224	9	65	1,109	7	326	332	122	10	2	16	150
Rank	Probability of Exceedence	357	256	2,154	187	3	28	0	2,848	610	20	875	269	78	89	1,862	75	389	424	1,278	12	19	21	1,311
1	0.0%	357	256	2,154	187	3	28	0	2,848	610	20	875	269	78	89	1,862	75	389	424	1,278	12	19	21	1,311
2	1.3%	357	252	2,139	185	3	28	0	2,822	610	20	875	269	78	89	1,862	75	386	409	1,278	12	19	21	1,311
3	2.5%	357	252	2,087	183	3	28	0	2,820	610	20	875	269	78	89	1,862	75	383	408	1,278	12	19	21	1,311
4	3.8%	357	250	2,074	181	3	28	0	2,819	609	20	875	269	78	89	1,861	75	373	405	1,275	12	19	21	1,308
5	5.0%	357	249	2,069	181	2	28	0	2,814	608	20	875	269	78	89	1,860	75	373	395	1,272	12	19	21	1,306
6	6.3%	357	249	2,069	181	2	28	0	2,800	607	20	875	269	78	86	1,859	75	369	394	1,259	12	19	21	1,293
7	7.5%	357	248	2,068	180	2	28	0	2,798	601	20	875	269	78	86	1,854	75	368	387	1,240	12	19	21	1,273
8	8.8%	357	248	2,066	180	2	28	0	2,793	601	20	875	269	78	86	1,853	74	355	380	1,193	12	19	21	1,227
9	10.0%	357	248	2,063	179	2	28	0	2,779	594	20	875	269	78	86	1,846	74	352	363	1,143	12	19	21	1,176
10	11.3%	357	248	2,062	177	2	28	0	2,771	572	20	875	269	78	73	1,824	71	346	359	1,131	12	19	21	1,164
11	12.5%	355	247	2,058	176	2	28	0	2,768	531	20	875	269	78	67	1,783	66	345	355	1,112	12	19	16	1,146
12	13.8%	353	247	2,045	176	2	27	0	2,764	524	20	875	269	78	66	1,774	64	343	355	1,078	12	19	16	1,111
13	15.0%	353	246	2,030	175	2	27	0	2,764	506	20	875	269	78	66	1,756	62	333	355	1,056	12	19	16	1,090
14	16.3%	353	246	2,022	175	2	27	0	2,758	504	20	875	269	78	66	1,755	62	333	355	1,049	12	19	16	1,082
15	17.5%	349	246	2,019	174	2	27	0	2,752	501	20	875	269	78	66	1,753	61	328	355	1,016	12	19	16	1,050
16	18.8%	343	245	2,019	173	2	27	0	2,748	480	17	875	269	78	66	1,732	59	327	355	1,005	12	19	16	1,038
17	20.0%	343	245	2,018	173	2	27	0	2,728	480	17	875	269	78	66	1,730	59	327	355	1,000	12	19	16	1,034
18	21.3%	341	244	2,016	172	2	27	0	2,725	477	17	875	269	78	66	1,729	59	326	354	930	12	19	16	963
19	22.5%	339	244	2,014	172	2	27	0	2,722	435	17	875	269	78	66	1,684	55	325	354	846	12	19	16	879
20	23.8%	338	243	2,010	172	2	27	0	2,720	430	17	875	269	78	66	1,679	53	324	354	845	12	19	16	878
21	25.0%	338	243	2,007	171	2	27	0	2,714	378	17	875	269	78	61	1,627	46	317	352	791	12	19	16	824
22	26.3%	336	243	2,003	171	2	27	0	2,703	377	17	875	269	78	57	1,627	46	316	350	790	12	19	14	823
23	27.5%	336	243	2,001	170	2	27	0	2,695	377	17	875	269	78	46	1,627	46	292	350	787	12	19	11	821
24	28.8%	329	242	2,000	170	2	27	0	2,695	376	17	875	269	78	42	1,626	46	288	349	776	12	19	11	809
25	30.0%	328	242	1,998	170	2	27	0	2,675	356	17	875	269	78	27	1,605	45	288	349	744	12	19	9	777
26	31.3%	322	241	1,997	169	2	26	0	2,674	356	17	875	269	78	26	1,605	44	284	348	743	12	19	6	777
27	32.5%	319	241	1,995	169	2	26	0	2,673	356	16	875	269	78	25	1,602	44	280	347	729	12	19	6	762
28	33.8%	312	240	1,987	168	2	26	0	2,664	348	16	875	269	78	19	1,597	43	280	345	715	12	19	4	749
29	35.0%	295	240	1,984	168	2	26	0	2,660	338	16	875	269	78	18	1,586	42	280	344	707	12	19	2	740
30	36.3%	289	240	1,983	167	2	26	0	2,648	336	16	875	269	78	14	1,585	41	280	342	704	12	19	2	737
31	37.5%	281	240	1,981	167	2	26	0	2,648	331	16	875	269	78	14	1,579	41	280	341	692	12	19	2	725
32	38.8%	280	238	1,981	166	2	26	0	2,647	327	16	875	269	78	11	1,575	40	280	339	685	12	19	2	718
33	40.0%	267	238	1,980	166	2	26	0	2,641	323	15	875	269	78	11	1,565	40	280	339	667	12	19	2	701
34	41.3%	263	236	1,977	164	2	26	0	2,637	317	15	875	269	78	11	1,555	39	280	337	658	12	19	2	683
35	42.5%	260	233	1,976	164	2	26	0	2,635	308	15	875	269	78	11	1,549	38	280	336	641	12	19	2	675
36	43.8%	257	233	1,976	164	2	26	0	2,632	302	15	875	269	78	11	1,533	35	280	332	630	12	19	2	663
37	45.0%	252	231	1,975	163	2	26	0	2,631	286	15	875	269	78	11	1,514	34	280	328	598	12	19	2	632
38	46.3%	252	231	1,972	163	2	26	0	2,626	267	15	875	269	78	11	1,514	33	280	326	559	12	19	2	592
39	47.5%	243	229	1,971	163	2	26	0	2,621	267	15	875	269	78	11	1,508	33	280	326	558	12	19	2	591
40	48.8%	242	227	1,968	162	2	26	0	2,617	260	15	875	269	78	11	1,507	32	280	324	546	12	19	2	579
41	50.0%	241	224	1,967	162	2	26	0	2,614	260	15	875	269	78	11	1,504	32	278	318	545	12	19	2	578
42	51.3%	237	223	1,965	161	2	26	0	2,612	257	15	875	269	78	11	1,500	32	278	318	536	12	19	2	570
43	52.5%	234	223	1,962	160	1	26	0	2,610	253	15	875	269	78	11	1,496	32	276	317	528	12	19	2	562
44	53.8%	231	217	1,959	159	1	26	0	2,597	249	15	875	269	78	11	1,495	31	274	316	520	12	19	2	553
45	55.0%	227	214	1,956	159	1	26	0	2,583	248	15	875	269	78	11	1,490	30	274	316	519	12	19	2	552
46	56.3%	216	214	1,954	159	1	26	0	2,578	243	15	875	269	78	11	1,486	30	274	314	508	12	19	2	541
47	57.5%	212	212	1,																				

Table WS-CVP-5m

			Alternative B							Alternative B						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	1,901	557	2,458	2,894	448	99	39	100%	79%	100%	100%	100%	100%	100%
1923	3	BN	1,067	490	1,557	2,882	438	99	38	64%	43%	89%	75%	100%	100%	100%
1924	5	C	141	486	628	2,480	315	0	103	6%	6%	56%	56%	75%	77%	75%
1925	4	D	1,232	492	1,724	2,746	434	0	137	59%	54%	84%	79%	100%	100%	100%
1926	4	D	312	528	841	2,755	433	0	137	13%	13%	63%	63%	100%	100%	100%
1927	1	W	1,570	526	2,096	2,851	439	88	50	100%	62%	100%	87%	100%	100%	100%
1928	2	AN	840	465	1,305	2,851	435	99	38	45%	35%	75%	75%	100%	100%	100%
1929	5	C	0	467	467	2,920	423	27	110	0%	0%	50%	50%	100%	100%	100%
1930	4	D	347	528	875	2,824	439	3	134	15%	15%	65%	65%	100%	100%	100%
1931	5	C	193	433	626	2,432	311	0	103	8%	8%	58%	58%	75%	77%	75%
1932	4	D	243	417	659	2,434	334	0	103	10%	10%	60%	60%	75%	77%	75%
1933	5	C	31	463	494	2,457	329	0	103	1%	1%	51%	51%	75%	77%	75%
1934	5	C	134	483	618	2,295	293	0	103	6%	6%	56%	56%	75%	77%	75%
1935	3	BN	202	414	616	2,765	450	0	137	10%	10%	60%	60%	100%	100%	100%
1936	3	BN	755	464	1,219	2,821	454	35	102	33%	33%	75%	75%	100%	100%	100%
1937	3	BN	669	478	1,146	2,831	468	95	43	30%	30%	75%	75%	100%	100%	100%
1938	1	W	2,320	540	2,860	2,828	461	99	38	100%	100%	100%	100%	100%	100%	100%
1939	4	D	792	585	1,377	3,029	425	54	84	37%	34%	75%	75%	100%	100%	100%
1940	2	AN	1,124	519	1,643	2,792	434	38	100	75%	44%	100%	75%	100%	100%	100%
1941	1	W	2,038	547	2,585	2,678	456	99	39	100%	88%	100%	100%	100%	100%	100%
1942	1	W	1,934	538	2,471	2,735	451	99	38	100%	83%	100%	100%	100%	100%	100%
1943	1	W	1,816	543	2,359	2,852	456	99	38	78%	78%	100%	100%	100%	100%	100%
1944	4	D	577	480	1,057	2,842	434	99	39	25%	25%	75%	75%	100%	100%	100%
1945	3	BN	1,357	500	1,857	2,798	451	97	40	59%	59%	84%	84%	100%	100%	100%
1946	3	BN	1,409	524	1,933	2,944	451	99	39	81%	57%	100%	82%	100%	100%	100%
1947	4	D	964	468	1,432	2,878	440	79	58	42%	42%	75%	75%	100%	100%	100%
1948	3	BN	711	495	1,206	2,618	439	98	39	73%	25%	98%	75%	100%	100%	100%
1949	4	D	1,215	505	1,720	2,870	438	99	38	64%	52%	89%	77%	100%	100%	100%
1950	3	BN	694	471	1,166	2,897	453	98	39	30%	30%	75%	75%	100%	100%	100%
1951	2	AN	1,557	535	2,092	2,862	445	99	38	96%	62%	100%	87%	100%	100%	100%
1952	1	W	2,312	546	2,857	2,837	460	99	39	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,090	501	1,591	2,839	449	99	39	100%	38%	100%	75%	100%	100%	100%
1954	2	AN	1,154	517	1,671	2,773	447	99	39	100%	41%	100%	75%	100%	100%	100%
1955	4	D	991	479	1,470	2,893	440	99	38	43%	43%	75%	75%	100%	100%	100%
1956	1	W	1,968	544	2,512	2,872	455	99	38	100%	81%	100%	100%	100%	100%	100%
1957	2	AN	861	515	1,376	2,854	442	98	39	71%	31%	96%	75%	100%	100%	100%
1958	1	W	2,271	543	2,814	2,718	462	99	38	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	778	605	1,383	2,962	433	99	38	66%	28%	91%	75%	100%	100%	100%
1960	4	D	701	516	1,217	2,858	437	98	39	31%	31%	75%	75%	100%	100%	100%
1961	4	D	973	476	1,448	2,859	434	3	134	48%	41%	75%	75%	100%	100%	100%
1962	3	BN	1,067	621	1,688	2,889	439	19	118	68%	42%	93%	75%	100%	100%	100%
1963	1	W	1,393	511	1,904	2,714	444	98	39	100%	54%	100%	79%	100%	100%	100%
1964	4	D	651	535	1,186	2,944	439	98	39	28%	28%	75%	75%	100%	100%	100%
1965	1	W	1,596	531	2,127	2,827	448	99	39	76%	76%	100%	100%	100%	100%	100%
1966	3	BN	1,092	518	1,609	2,943	441	99	38	90%	39%	100%	75%	100%	100%	100%
1967	1	W	2,297	540	2,837	2,693	453	99	38	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	899	597	1,496	2,827	450	98	39	66%	34%	91%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,875	462	98	39	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,451	511	1,962	2,890	439	99	38	67%	62%	92%	87%	100%	100%	100%
1971	1	W	932	509	1,441	2,941	444	98	39	89%	31%	100%	75%	100%	100%	100%
1972	3	BN	967	481	1,448	2,949	447	98	39	52%	39%	77%	75%	100%	100%	100%
1973	2	AN	1,439	530	1,969	2,846	452	98	39	100%	55%	100%	80%	100%	100%	100%
1974	1	W	2,019	540	2,559	2,800	461	99	38	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,472	513	1,984	2,875	454	99	38	100%	58%	100%	83%	100%	100%	100%
1976	5	C	236	513	749	3,014	438	100	38	10%	10%	60%	60%	100%	100%	100%
1977	5	C	94	465	560	2,429	306	0	103	4%	4%	54%	54%	75%	77%	75%
1978	2	AN	2,263	549	2,812	2,805	444	96	41	100%	100%	100%	100%	100%	100%	100%
1979	3	BN	1,149	473	1,622	2,847	454	98	39	50%	50%	75%	75%	100%	100%	100%
1980	2	AN	1,918	555	2,473	2,842	458	99	38	83%	83%	100%	100%	100%	100%	100%
1981	4	D	984	631	1,614	2,803	440	98	39	74%	37%	99%	75%	100%	100%	100%
1982	1	W	2,153	552	2,704	2,704	462	98	39	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,699	466	98	39	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,536	530	2,067	2,938	452	99	39	94%	62%	100%	87%	100%	100%	100%
1985	4	D	1,115	518	1,633	2,873	443	99	38	72%	44%	97%	75%	100%	100%	100%
1986	1	W	1,261	466	1,728	2,856	457	99	39	55%	55%	80%	80%	100%	100%	100%
1987	4	D	535	576	1,110	2,905	424	57	80	24%	24%	74%	74%	100%	100%	100%
1988	5	C	0	458	458	2,885	417	3	134	0%	0%	50%	50%	100%	100%	100%
1989	4	D	412	443	855	2,855	438	0	137	18%	18%	68%	68%	100%	100%	100%
1990	5	C	0	462	462	2,894	427	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	519	775	2,390	334	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	378	473	851	2,385	328	0	103	16%	16%	66%	66%	75%	77%	75%
1993	2	AN	1,360	507	1,867	2,767	449	81	56	60%	60%	85%	85%	100%	100%	100%
1994	5	C	1,219	596	1,814	2,413	332	0	103	57%	53%	82%	78%	75%	77%	75%
1995	1	W	2,189	540	2,729	2,771	457	91	47	100%	95%	100%	100%	100%	100%	100%
1996	1	W	1,671	531	2,202	2,736	443	99	38	100%	71%	100%	96%	100%	100%	100%
1997	1	W	1,750	531	2,280	2,933	445	76	61	79%	79%	100%	100%	100%	100%	100%
1998	1	W	2,118	549	2,667	2,661	464	98	39	100%	99%	100%	100%	100%	100%	100%
1999	1	W	1,277	487	1,764	2,850	445	99	38	100%	47%	100%	75%	100%	100%	100%
2000	2	AN	1,425	509	1,935	2,771	434	99	38	100%	56%	100%	81%	100%	100%	100%
2001	4	D	716	593	1,308	2,834	429	99	38	31%	31%	75%	75%	100%	100%	100%
2002	4	D	855	578	1,433	2,937	437	3	134	68%	31%	93%	75%	100%	100%	100%

Table WS-CVP-5m

Alternative B									Alternative B						
Central Valley Project (CVP) Contract Deliveries									Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,136	516	1,652	2,792	431	71	62	61%	48%	85%	79%	97%	97%	97%
MIN:		0	414	458	2,295	293	0	38	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	631	2,868	3,029	468	100	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	204	479	683	2,651	374	14	107	9%	9%	59%	59%	88%	88%	88%
AVG:	W	1,810	530	2,339	2,807	453	97	40	94%	77%	99%	93%	100%	100%	100%
	AN	1,440	523	1,964	2,823	444	91	46	84%	59%	96%	85%	100%	100%	100%
	BN	915	509	1,425	2,855	448	81	56	55%	37%	85%	75%	100%	100%	100%
	D	756	519	1,276	2,841	430	55	81	39%	32%	77%	73%	99%	99%	99%
	C	224	485	709	2,583	354	11	104	10%	10%	58%	58%	83%	85%	83%
Rank	Probability of Exceedence								100%	100%	100%	100%	100%	100%	100%
1	0.0%	2,320	631	2,868	3,029	468	100	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	621	2,860	3,014	466	99	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,312	605	2,857	2,962	464	99	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	597	2,857	2,949	462	99	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,297	596	2,837	2,944	462	99	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,271	593	2,814	2,944	462	99	134	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,263	585	2,812	2,943	461	99	134	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,189	578	2,729	2,941	461	99	134	100%	100%	100%	100%	100%	100%	100%
9	10.0%	2,153	576	2,704	2,938	460	99	134	100%	99%	100%	100%	100%	100%	100%
10	11.3%	2,118	557	2,667	2,937	458	99	118	100%	95%	100%	100%	100%	100%	100%
11	12.5%	2,038	556	2,585	2,933	457	99	110	100%	88%	100%	100%	100%	100%	100%
12	13.8%	2,019	555	2,559	2,920	457	99	103	100%	86%	100%	100%	100%	100%	100%
13	15.0%	1,968	552	2,512	2,905	456	99	103	100%	83%	100%	100%	100%	100%	100%
14	16.3%	1,934	549	2,473	2,897	456	99	103	100%	83%	100%	100%	100%	100%	100%
15	17.5%	1,918	549	2,471	2,894	455	99	103	100%	81%	100%	100%	100%	100%	100%
16	18.8%	1,901	548	2,458	2,894	454	99	103	100%	79%	100%	100%	100%	100%	100%
17	20.0%	1,816	547	2,359	2,893	454	99	103	100%	79%	100%	100%	100%	100%	100%
18	21.3%	1,750	546	2,280	2,890	454	99	103	100%	78%	100%	100%	100%	100%	100%
19	22.5%	1,671	544	2,202	2,889	453	99	103	100%	76%	100%	100%	100%	100%	100%
20	23.8%	1,596	543	2,127	2,885	453	99	103	100%	71%	100%	96%	100%	100%	100%
21	25.0%	1,570	543	2,096	2,882	452	99	102	100%	62%	100%	87%	100%	100%	100%
22	26.3%	1,557	540	2,092	2,878	452	99	100	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,536	540	2,067	2,875	451	99	84	100%	62%	100%	87%	100%	100%	100%
24	28.8%	1,472	540	1,984	2,875	451	99	80	100%	62%	100%	87%	100%	100%	100%
25	30.0%	1,451	540	1,969	2,873	451	99	61	96%	60%	100%	85%	100%	100%	100%
26	31.3%	1,439	538	1,962	2,872	450	99	58	94%	59%	100%	84%	100%	100%	100%
27	32.5%	1,425	535	1,935	2,870	450	99	56	90%	58%	100%	83%	100%	100%	100%
28	33.8%	1,409	535	1,933	2,862	449	99	50	89%	57%	100%	82%	100%	100%	100%
29	35.0%	1,393	531	1,904	2,859	449	99	47	83%	56%	100%	81%	100%	100%	100%
30	36.3%	1,360	531	1,867	2,858	448	99	43	81%	55%	100%	80%	100%	100%	100%
31	37.5%	1,357	531	1,857	2,856	448	99	41	79%	55%	100%	80%	100%	100%	100%
32	38.8%	1,277	530	1,814	2,855	447	99	40	78%	54%	100%	79%	100%	100%	100%
33	40.0%	1,261	530	1,764	2,854	447	99	39	76%	54%	100%	79%	100%	100%	100%
34	41.3%	1,232	528	1,728	2,852	445	98	39	75%	53%	100%	78%	100%	100%	100%
35	42.5%	1,219	528	1,724	2,851	445	98	39	74%	52%	99%	77%	100%	100%	100%
36	43.8%	1,215	526	1,720	2,851	445	98	39	73%	50%	98%	75%	100%	100%	100%
37	45.0%	1,154	524	1,688	2,850	444	98	39	72%	47%	97%	75%	100%	100%	100%
38	46.3%	1,149	519	1,671	2,847	444	98	39	71%	44%	96%	75%	100%	100%	100%
39	47.5%	1,124	519	1,643	2,846	444	98	39	68%	44%	93%	75%	100%	100%	100%
40	48.8%	1,115	518	1,633	2,842	443	98	39	68%	43%	93%	75%	100%	100%	100%
41	50.0%	1,092	518	1,622	2,842	443	98	39	67%	43%	92%	75%	100%	100%	100%
42	51.3%	1,090	517	1,614	2,839	442	98	39	66%	42%	91%	75%	100%	100%	100%
43	52.5%	1,067	516	1,609	2,837	441	98	39	66%	42%	91%	75%	100%	100%	100%
44	53.8%	1,067	515	1,591	2,834	440	98	39	64%	41%	89%	75%	100%	100%	100%
45	55.0%	991	513	1,557	2,831	440	98	39	64%	41%	89%	75%	100%	100%	100%
46	56.3%	984	513	1,496	2,828	440	98	39	60%	39%	85%	75%	100%	100%	100%
47	57.5%	973	511	1,470	2,827	439	98	39	59%	39%	84%	75%	100%	100%	100%
48	58.8%	967	511	1,448	2,827	439	98	39	59%	38%	84%	75%	100%	100%	100%
49	60.0%	964	509	1,448	2,824	439	98	39	57%	37%	82%	75%	100%	100%	100%
50	61.3%	932	509	1,441	2,821	439	97	39	55%	35%	80%	75%	100%	100%	100%
51	62.5%	899	507	1,433	2,805	439	96	39	52%	34%	77%	75%	100%	100%	100%
52	63.8%	861	505	1,432	2,803	439	95	39	50%	34%	75%	75%	100%	100%	100%
53	65.0%	855	501	1,383	2,800	438	91	39	48%	33%	75%	75%	100%	100%	100%
54	66.3%	840	500	1,377	2,798	438	88	39	45%	31%	75%	75%	100%	100%	100%
55	67.5%	792	495	1,376	2,792	438	81	39	43%	31%	75%	75%	100%	100%	100%
56	68.8%	778	492	1,308	2,773	438	79	39	42%	31%	75%	75%	100%	100%	100%
57	70.0%	755	490	1,305	2,771	437	76	39	37%	31%	75%	75%	100%	100%	100%
58	71.3%	716	487	1,219	2,771	437	57	39	33%	31%	75%	75%	100%	100%	100%
59	72.5%	711	486	1,217	2,767	435	54	38	31%	30%	75%	75%	100%	100%	100%
60	73.8%	701	483	1,206	2,765	434	38	38	31%	30%	75%	75%	100%	100%	100%
61	75.0%	694	481	1,186	2,755	434	35	38	30%	28%	75%	75%	100%	100%	100%
62	76.3%	669	480	1,166	2,746	434	27	38	30%	28%	75%	75%	100%	100%	100%
63	77.5%	651	479	1,146	2,736	434	19	38	28%	25%	75%	75%	100%	100%	100%
64	78.8%	577	478	1,110	2,735	434	3	38	25%	25%	75%	75%	100%	100%	100%
65	80.0%	535	476	1,057	2,718	433	3	38	24%	24%	74%	74%	100%	100%	100%
66	81.3%	412	473	875	2,714	433	3	38	18%	18%	68%	68%	100%	100%	100%
67	82.5%	378	473	855	2,704	429	3	38	16%	16%	66%	66%	100%	100%	100%
68	83.8%	347	471	851	2,699	427	0	38	15%	15%	65%	65%	100%	100%	100%
69	85.0%	312	468	841	2,693	425	0	38	13%	13%	63%	63%	100%	100%	100%
70	86														

Table WS-CVP-5n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Sacramento Valley 40-30-30 Index

Sacramento River Hydrologic Region

San Joaquin River Hydrologic Region

San Francisco Bay Hydrologic Region

Tulare Lake Hydrologic Region

Year	Index	Sacramento River Hydrologic Region							San Joaquin River Hydrologic Region						San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region							
		Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
1922	2	AN	357	249	2,025	161	0	28	0	2,821	527	20	875	269	0	89	1,779	65	288	353	1,103	12	0	21	1,136
1923	3	BN	214	205	2,007	159	0	28	0	2,613	259	15	875	269	0	89	1,506	32	261	293	542	12	0	21	576
1924	5	C	25	149	1,772	108	0	21	0	2,075	43	11	674	202	0	66	996	5	329	334	89	9	0	16	114
1925	4	D	203	196	1,870	159	0	28	0	2,456	327	16	875	269	0	89	1,575	41	280	321	688	12	0	21	721
1926	4	D	52	173	1,880	146	0	28	0	2,278	89	13	875	269	0	89	1,334	11	346	357	186	12	0	21	220
1927	1	W	357	250	1,976	157	0	28	0	2,767	361	17	875	269	0	89	1,610	44	259	304	756	12	0	21	789
1928	2	AN	174	194	1,954	151	0	28	0	2,501	232	15	875	269	0	89	1,479	29	256	285	484	12	0	21	518
1929	5	C	0	133	2,041	134	0	28	0	2,336	0	10	875	269	0	89	1,242	0	324	324	0	12	0	21	33
1930	4	D	42	156	1,943	153	0	28	0	2,322	70	12	875	269	0	89	1,314	9	348	356	145	12	0	21	179
1931	5	C	29	159	1,774	86	0	21	0	2,069	49	12	674	202	0	66	1,002	6	261	267	103	9	0	16	128
1932	4	D	43	152	1,753	123	0	21	0	2,093	74	12	674	202	0	66	1,028	9	257	266	154	9	0	16	179
1933	5	C	5	132	1,783	112	0	21	0	2,052	8	10	674	202	0	66	960	1	325	326	17	9	0	16	42
1934	5	C	27	144	1,675	93	0	21	0	1,959	47	12	674	202	0	66	1,000	6	344	350	98	9	0	16	123
1935	3	BN	73	179	1,891	166	0	28	0	2,337	112	14	875	269	0	89	1,358	15	250	265	238	12	0	21	271
1936	3	BN	152	189	1,942	175	0	28	0	2,486	260	15	875	269	0	89	1,507	32	261	293	544	12	0	21	578
1937	3	BN	108	205	1,956	184	0	28	0	2,480	178	15	875	269	0	89	1,425	22	259	281	371	12	0	21	404
1938	1	W	357	236	1,949	174	0	28	0	2,744	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1939	4	D	88	187	2,141	150	0	28	0	2,593	150	15	875	269	0	89	1,398	19	382	401	315	12	0	21	348
1940	2	AN	306	249	1,906	161	0	28	0	2,650	281	15	875	269	0	89	1,529	35	256	291	589	12	0	21	622
1941	1	W	329	247	1,802	169	0	28	0	2,574	509	20	875	269	0	89	1,761	63	279	342	1,066	12	0	21	1,100
1942	1	W	349	240	1,854	164	0	28	0	2,635	519	17	875	269	0	89	1,769	64	280	344	1,070	12	0	21	1,103
1943	1	W	267	246	1,982	161	0	28	0	2,683	455	20	875	269	0	89	1,707	56	279	335	953	12	0	21	987
1944	4	D	73	182	1,961	153	0	28	0	2,397	125	14	875	269	0	89	1,371	15	268	283	261	12	0	21	295
1945	3	BN	180	195	1,918	174	0	28	0	2,495	304	15	875	269	0	89	1,551	38	261	299	635	12	0	21	668
1946	3	BN	303	238	2,066	164	0	28	0	2,799	379	17	875	269	0	89	1,629	47	277	323	795	12	0	21	828
1947	4	D	138	179	1,992	161	0	28	0	2,498	232	15	875	269	0	89	1,479	29	274	303	485	12	0	21	518
1948	3	BN	294	229	1,722	161	0	28	0	2,434	212	15	875	269	0	89	1,459	27	258	285	441	12	0	21	475
1949	4	D	232	217	1,992	150	0	28	0	2,618	333	16	875	269	0	89	1,582	42	281	322	695	12	0	21	728
1950	3	BN	95	196	2,018	172	0	28	0	2,508	161	15	875	269	0	89	1,408	20	260	280	336	12	0	21	369
1951	2	AN	328	247	1,970	157	0	28	0	2,730	379	17	875	269	0	89	1,629	47	272	318	795	12	0	21	828
1952	1	W	357	240	1,957	174	0	28	0	2,756	607	20	875	269	0	89	1,859	75	280	355	1,271	12	0	21	1,304
1953	1	W	352	238	1,964	157	0	28	0	2,738	251	15	875	269	0	89	1,498	31	248	279	526	12	0	21	559
1954	2	AN	337	246	1,897	155	0	28	0	2,662	251	13	875	269	0	89	1,496	27	247	273	513	12	0	21	546
1955	4	D	111	190	2,003	150	0	28	0	2,482	190	15	875	269	0	89	1,437	23	274	297	397	12	0	21	431
1956	1	W	357	244	1,994	164	0	28	0	2,786	504	20	875	269	0	89	1,756	62	280	341	1,055	12	0	21	1,088
1957	2	AN	241	232	1,972	156	0	28	0	2,629	198	15	875	269	0	89	1,445	24	256	280	414	12	0	21	447
1958	1	W	336	243	1,837	176	0	28	0	2,620	603	20	875	269	0	89	1,855	75	280	354	1,263	12	0	21	1,296
1959	3	BN	226	212	2,062	141	0	28	0	2,670	195	15	875	269	0	89	1,442	24	373	397	407	12	0	21	441
1960	4	D	104	179	1,978	154	0	28	0	2,443	174	15	875	269	0	89	1,421	22	325	347	363	12	0	21	396
1961	4	D	186	195	1,973	150	0	28	0	2,532	311	13	875	269	0	89	1,556	34	267	300	574	12	0	21	608
1962	3	BN	238	237	2,014	158	0	28	0	2,675	217	15	875	269	0	89	1,464	27	373	399	453	12	0	21	487
1963	1	W	341	243	1,829	164	0	28	0	2,604	341	16	875	269	0	89	1,590	42	255	297	714	12	0	21	748
1964	4	D	90	194	2,063	165	0	28	0	2,540	154	15	875	269	0	89	1,401	19	327	346	323	12	0	21	357
1965	1	W	260	240	1,947	162	0	28	0	2,637	437	17	875	269	0	89	1,686	55	274	328	918	12	0	21	951
1966	3	BN	307	242	2,057	162	0	28	0	2,795	253	15	875	269	0	89	1,500	31	261	292	529	12	0	21	563
1967	1	W	338	241	1,817	161	0	28	0	2,585	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1968	3	BN	224	221	1,946	156	0	28	0	2,575	217	15	875	269	0	89	1,464	27	355	381	455	12	0	21	488
1969	1	W	357	248	2,000	177	0	28	0	2,810	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311
1970	1	W	220	219	1,987	159	0	28	0	2,612	347	14	875	269	0	89	1,593	43	256	299	719	12	0	21	752
1971	1	W	309	248	2,061	167	0	28	0	2,813	201	15	875	269	0	89	1,448	25	248	273	420	12	0	21	453
1972	3	BN	172	202	2,075	156	0	28	0	2,633	251	15	875	269	0	89	1,498	31	261	292	525	12	0	21	558
1973	2	AN	334	252	1,972	165	0	28	0	2,751	335	16	875	269	0	89	1,583	41	262	303	630	12	0	21	663
1974	1	W	353	240	1,921	170	0	28	0	2,712	527	20	875	269	0	89	1,779	65	280	345	1,102	12	0	21	1,135
1975	1	W	357	240	1,994	170	0	28	0	2,789	381	15	875	269	0	89	1,628	47	263	310	756	12	0	21	790
1976	5	C	24	148	2,125	158	0	28	0	2,482	40	11	875	269	0	89	1,284	5	342	347	85	12	0	21	118
1977	5	C	14	128	1,679	94	0	21	0	1,936	25	11	674	202	0	66	977	3	333	336	52	9	0	16	77
1978	2	AN	356	245	1,931	159	0	28	0	2,718	569	20	875	269	0	89	1,8								

Table WS-CVP-5n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region							San Joaquin River Hydrologic Region						San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region						
		Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
AVG:		213	211	1,934	155	0	27	0	2,539	290	16	852	261	0	86	1,506	36	290	326	599	12	0	20	632
MIN:		0	128	1,675	86	0	21	0	1,936	0	10	674	202	0	66	960	0	247	265	0	9	0	16	33
MAX:		357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
DP:	29-34, 76-77 and 87-92	32	150	1,874	124	0	24	0	2,204	53	12	774	235	0	78	1,152	7	317	324	109	11	0	18	138
W		323	241	1,927	168	0	28	0	2,687	470	18	875	269	0	89	1,721	58	271	329	968	12	0	21	1,001
AN		297	238	1,942	159	0	28	0	2,663	353	17	875	269	0	89	1,601	43	266	309	730	12	0	21	764
BN		197	210	1,974	164	0	28	0	2,574	235	15	875	269	0	89	1,482	29	284	313	491	12	0	21	525
D		131	192	1,971	151	0	27	0	2,473	188	14	864	265	0	87	1,419	23	312	335	390	12	0	21	423
C		36	148	1,837	116	0	23	0	2,161	60	11	741	224	0	74	1,109	7	327	334	122	10	0	18	150
Rank	Probability of Exceedence	357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
1	0.0%	357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
2	1.3%	357	256	2,125	188	0	28	0	2,814	610	20	875	269	0	89	1,862	75	386	405	1,278	12	0	21	1,311
3	2.5%	357	253	2,075	184	0	28	0	2,813	610	20	875	269	0	89	1,862	75	382	401	1,278	12	0	21	1,311
4	3.8%	357	252	2,066	183	0	28	0	2,810	610	20	875	269	0	89	1,862	75	373	399	1,278	12	0	21	1,311
5	5.0%	357	251	2,064	177	0	28	0	2,799	609	20	875	269	0	89	1,861	75	373	398	1,271	12	0	21	1,304
6	6.3%	357	250	2,063	176	0	28	0	2,795	608	20	875	269	0	89	1,860	75	368	397	1,263	12	0	21	1,296
7	7.5%	357	249	2,062	176	0	28	0	2,789	607	20	875	269	0	89	1,859	75	366	382	1,226	12	0	21	1,260
8	8.8%	357	249	2,061	175	0	28	0	2,786	603	20	875	269	0	89	1,855	75	355	381	1,187	12	0	21	1,220
9	10.0%	356	248	2,057	174	0	28	0	2,767	587	20	875	269	0	89	1,839	73	348	357	1,148	12	0	21	1,182
10	11.3%	353	248	2,053	174	0	28	0	2,756	569	20	875	269	0	89	1,821	71	346	356	1,144	12	0	21	1,178
11	12.5%	353	247	2,052	174	0	28	0	2,751	527	20	875	269	0	89	1,779	65	344	356	1,103	12	0	21	1,136
12	13.8%	352	247	2,041	172	0	28	0	2,744	527	20	875	269	0	89	1,779	65	343	355	1,102	12	0	21	1,135
13	15.0%	349	246	2,026	171	0	28	0	2,738	519	20	875	269	0	89	1,769	64	342	355	1,070	12	0	21	1,103
14	16.3%	343	246	2,025	170	0	28	0	2,736	509	20	875	269	0	89	1,761	63	333	355	1,066	12	0	21	1,100
15	17.5%	341	245	2,018	170	0	28	0	2,731	504	20	875	269	0	89	1,756	62	329	355	1,055	12	0	21	1,088
16	18.8%	339	244	2,014	169	0	28	0	2,730	460	20	875	269	0	89	1,713	57	327	355	965	12	0	21	998
17	20.0%	338	243	2,014	169	0	28	0	2,730	455	19	875	269	0	89	1,707	56	327	355	953	12	0	21	987
18	21.3%	338	243	2,011	167	0	28	0	2,718	439	17	875	269	0	89	1,691	55	325	355	921	12	0	21	954
19	22.5%	337	243	2,007	167	0	28	0	2,712	437	17	875	269	0	89	1,686	54	325	354	918	12	0	21	951
20	23.8%	336	242	2,003	166	0	28	0	2,685	437	17	875	269	0	89	1,686	54	324	353	878	12	0	21	911
21	25.0%	334	241	2,000	166	0	28	0	2,683	381	17	875	269	0	89	1,629	47	317	353	795	12	0	21	828
22	26.3%	329	241	1,997	165	0	28	0	2,677	380	17	875	269	0	89	1,629	47	316	352	795	12	0	21	828
23	27.5%	328	241	1,994	165	0	28	0	2,675	379	17	875	269	0	89	1,629	47	291	352	756	12	0	21	790
24	28.8%	328	240	1,994	165	0	28	0	2,670	379	17	875	269	0	89	1,628	47	288	350	756	12	0	21	789
25	30.0%	316	240	1,992	164	0	28	0	2,662	361	17	875	269	0	89	1,610	44	288	347	749	12	0	21	782
26	31.3%	312	240	1,992	164	0	28	0	2,650	358	16	875	269	0	89	1,607	44	285	347	719	12	0	21	752
27	32.5%	309	240	1,987	164	0	28	0	2,644	347	16	875	269	0	89	1,593	43	281	346	716	12	0	21	749
28	33.8%	307	240	1,982	164	0	28	0	2,637	341	16	875	269	0	89	1,590	42	280	345	714	12	0	21	748
29	35.0%	306	239	1,981	164	0	28	0	2,635	340	16	875	269	0	89	1,583	42	280	344	700	12	0	21	728
30	36.3%	303	238	1,979	162	0	28	0	2,633	335	16	875	269	0	89	1,582	41	280	344	695	12	0	21	727
31	37.5%	294	238	1,978	162	0	28	0	2,630	333	16	875	269	0	89	1,580	41	280	342	693	12	0	21	725
32	38.8%	270	238	1,976	162	0	28	0	2,629	332	16	875	269	0	89	1,577	41	280	341	689	12	0	21	721
33	40.0%	267	237	1,973	161	0	28	0	2,629	329	15	875	269	0	89	1,575	41	280	336	683	12	0	21	721
34	41.3%	260	236	1,972	161	0	28	0	2,626	260	15	875	269	0	89	1,564	39	280	335	650	12	0	21	693
35	42.5%	257	232	1,972	161	0	28	0	2,620	316	15	875	269	0	89	1,556	38	280	334	635	12	0	21	668
36	43.8%	248	231	1,970	161	0	28	0	2,618	311	15	875	269	0	89	1,551	36	280	330	630	12	0	21	663
37	45.0%	248	229	1,970	161	0	28	0	2,617	304	15	875	269	0	89	1,537	36	280	328	605	12	0	21	639
38	46.3%	241	229	1,969	161	0	28	0	2,613	290	15	875	269	0	89	1,529	35	280	328	589	12	0	21	622
39	47.5%	238	225	1,964	160	0	28	0	2,612	281	15	875	269	0	89	1,527	34	280	326	587	12	0	21	620
40	48.8%	238	224	1,962	160	0	28	0	2,604	280	15	875	269	0	89	1,507	34	280	324	574	12	0	21	608
41	50.0%	232	221	1,961	159	0	28	0	2,598	260	15	875	269	0	89	1,506	32	279	323	544	12	0	21	578
42	51.3%	228	220	1,957	159	0	28	0	2,593	259	15	875	269	0	89	1,500	32	279	322	542				

Table WS-CVP-5o

			No Action Alternative							No Action Alternative						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	2,052	557	2,609	2,900	442	0	137	100%	86%	100%	100%	100%	100%	100%
1923	3	BN	1,047	481	1,529	2,882	440	0	137	60%	42%	85%	75%	100%	100%	100%
1924	5	C	162	489	652	2,445	319	0	103	7%	7%	57%	57%	75%	77%	75%
1925	4	D	1,259	492	1,751	2,745	440	0	137	58%	56%	83%	81%	100%	100%	100%
1926	4	D	339	532	871	2,755	427	0	137	15%	15%	65%	65%	100%	100%	100%
1927	1	W	1,518	526	2,044	2,851	438	0	137	100%	59%	100%	84%	100%	100%	100%
1928	2	AN	919	465	1,384	2,829	432	0	137	49%	38%	75%	75%	100%	100%	100%
1929	5	C	0	467	467	2,916	415	0	137	0%	0%	50%	50%	100%	100%	100%
1930	4	D	267	516	783	2,818	434	0	137	12%	12%	62%	62%	100%	100%	100%
1931	5	C	187	432	619	2,448	297	0	103	8%	8%	58%	58%	75%	77%	75%
1932	4	D	280	422	702	2,427	334	0	103	12%	12%	62%	62%	75%	77%	75%
1933	5	C	31	467	498	2,456	323	0	103	1%	1%	51%	51%	75%	77%	75%
1934	5	C	177	500	677	2,349	304	0	103	8%	8%	58%	58%	75%	77%	75%
1935	3	BN	437	444	881	2,765	447	0	137	21%	21%	71%	71%	100%	100%	100%
1936	3	BN	988	464	1,453	2,817	456	0	137	43%	43%	75%	75%	100%	100%	100%
1937	3	BN	678	478	1,157	2,831	465	0	137	30%	30%	75%	75%	100%	100%	100%
1938	1	W	2,320	536	2,856	2,823	455	0	137	100%	100%	100%	100%	100%	100%	100%
1939	4	D	571	584	1,155	3,016	431	0	137	25%	25%	75%	75%	100%	100%	100%
1940	2	AN	1,211	520	1,731	2,781	442	0	137	86%	47%	100%	75%	100%	100%	100%
1941	1	W	1,968	546	2,513	2,677	450	0	137	100%	84%	100%	100%	100%	100%	100%
1942	1	W	2,002	538	2,540	2,729	445	0	137	100%	85%	100%	100%	100%	100%	100%
1943	1	W	1,731	545	2,276	2,856	442	0	137	75%	75%	100%	100%	100%	100%	100%
1944	4	D	474	465	939	2,836	434	0	137	20%	20%	70%	70%	100%	100%	100%
1945	3	BN	1,157	472	1,628	2,793	455	0	137	50%	50%	75%	75%	100%	100%	100%
1946	3	BN	1,524	532	2,056	2,941	445	0	137	85%	62%	100%	87%	100%	100%	100%
1947	4	D	884	468	1,352	2,867	443	0	137	39%	39%	75%	75%	100%	100%	100%
1948	3	BN	974	502	1,476	2,597	442	0	137	85%	36%	100%	75%	100%	100%	100%
1949	4	D	1,302	513	1,815	2,867	431	0	137	65%	56%	90%	81%	100%	100%	100%
1950	3	BN	612	471	1,083	2,892	453	0	137	27%	27%	75%	75%	100%	100%	100%
1951	2	AN	1,549	536	2,085	2,845	438	0	137	92%	62%	100%	87%	100%	100%	100%
1952	1	W	2,310	540	2,850	2,832	455	0	137	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,160	501	1,660	2,839	438	0	137	100%	41%	100%	75%	100%	100%	100%
1954	2	AN	1,127	506	1,633	2,772	436	0	137	94%	41%	100%	75%	100%	100%	100%
1955	4	D	721	479	1,200	2,878	431	0	137	31%	31%	75%	75%	100%	100%	100%
1956	1	W	1,977	544	2,521	2,869	445	0	137	100%	82%	100%	100%	100%	100%	100%
1957	2	AN	877	503	1,380	2,847	437	0	137	68%	32%	93%	75%	100%	100%	100%
1958	1	W	2,276	543	2,819	2,712	457	0	137	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	852	600	1,452	2,937	422	0	137	63%	32%	88%	75%	100%	100%	100%
1960	4	D	662	519	1,181	2,853	435	0	137	29%	29%	75%	75%	100%	100%	100%
1961	4	D	1,104	476	1,580	2,847	431	0	137	52%	52%	77%	77%	100%	100%	100%
1962	3	BN	935	625	1,559	2,889	439	0	137	67%	36%	92%	75%	100%	100%	100%
1963	1	W	1,438	515	1,953	2,703	445	0	137	100%	56%	100%	81%	100%	100%	100%
1964	4	D	587	535	1,122	2,938	446	0	137	25%	25%	75%	75%	100%	100%	100%
1965	1	W	1,670	531	2,201	2,822	443	0	137	75%	75%	100%	100%	100%	100%	100%
1966	3	BN	1,120	518	1,638	2,932	443	0	137	86%	41%	100%	75%	100%	100%	100%
1967	1	W	2,301	540	2,841	2,692	442	0	137	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	922	591	1,513	2,821	437	0	137	63%	36%	88%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,875	458	0	137	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,329	489	1,818	2,861	440	0	137	62%	57%	87%	82%	100%	100%	100%
1971	1	W	954	511	1,465	2,936	448	0	137	87%	33%	100%	75%	100%	100%	100%
1972	3	BN	978	478	1,456	2,950	437	0	137	48%	41%	75%	75%	100%	100%	100%
1973	2	AN	1,340	530	1,870	2,847	446	0	137	94%	55%	100%	80%	100%	100%	100%
1974	1	W	2,046	539	2,585	2,796	451	0	137	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,541	519	2,059	2,869	451	0	137	100%	62%	100%	87%	100%	100%	100%
1976	5	C	154	501	655	3,000	439	0	137	7%	7%	57%	57%	100%	100%	100%
1977	5	C	94	472	566	2,353	305	0	103	4%	4%	54%	54%	75%	77%	75%
1978	2	AN	2,182	550	2,732	2,806	440	0	137	100%	95%	100%	100%	100%	100%	100%
1979	3	BN	1,104	472	1,576	2,837	452	0	137	48%	48%	75%	75%	100%	100%	100%
1980	2	AN	1,752	551	2,303	2,845	447	0	137	76%	76%	100%	100%	100%	100%	100%
1981	4	D	1,035	623	1,658	2,791	441	0	137	70%	40%	95%	75%	100%	100%	100%
1982	1	W	2,161	551	2,711	2,697	469	0	137	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,695	469	0	137	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,458	534	1,992	2,928	445	0	137	89%	62%	100%	87%	100%	100%	100%
1985	4	D	1,139	509	1,647	2,872	443	0	137	66%	46%	91%	75%	100%	100%	100%
1986	1	W	1,363	483	1,846	2,856	450	0	137	59%	59%	84%	84%	100%	100%	100%
1987	4	D	473	561	1,034	2,901	417	0	137	21%	21%	71%	71%	100%	100%	100%
1988	5	C	0	454	454	2,885	411	0	137	0%	0%	50%	50%	100%	100%	100%
1989	4	D	540	462	1,002	2,854	438	0	137	24%	24%	74%	74%	100%	100%	100%
1990	5	C	0	462	462	2,888	418	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	523	779	2,395	326	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	343	460	803	2,390	318	0	103	16%	16%	66%	66%	75%	77%	75%
1993	2	AN	1,243	504	1,747	2,766	441	0	137	64%	53%	89%	78%	100%	100%	100%
1994	5	C	1,287	610	1,897	2,408	329	0	103	59%	56%	84%	81%	75%	77%	75%
1995	1	W	2,238	538	2,776	2,765	458	0	137	100%	97%	100%	100%	100%	100%	100%
1996	1	W	1,711	532	2,244	2,728	446	0	137	100%	72%	100%	97%	100%	100%	100%
1997	1	W	1,671	520	2,192	2,927	449	0	137	72%	72%	97%	97%	100%	100%	100%
1998	1	W	2,139	557	2,697	2,654	464	0	137	100%	100%	100%	100%	100%	100%	100%
1999	1	W	1,415	493	1,908	2,844	433	0	137	100%	54%	100%	79%	100%	100%	100%
2000	2	AN	1,405	508	1,913	2,745	434	0	137	100%	55%	100%	80%	100%	100%	100%
2001	4	D	604	593	1,197	2,829	421	0	137	26%	26%	75%	75%	100%	100%	100%
2002	4	D	936	581	1,516	2,939	438	0	137	70%	35%	95%	75%	100%	100%	100%

Table WS-CVP-5o

No Action Alternative									No Action Alternative							
Central Valley Project (CVP) Contract Deliveries									Central Valley Project (CVP) Allocation							
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation	
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	
AVG:		1,138	516	1,654	2,786	428	0	134	60%	48%	85%	79%	97%	97%	97%	
MIN:		0	422	454	2,349	297	0	103	0%	0%	50%	50%	75%	77%	75%	
MAX:		2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%	
DP:	29-34, 76-77 and 87-92	200	478	679	2,649	370	0	120	9%	9%	59%	59%	88%	88%	88%	
AVG:	W	1,820	530	2,350	2,801	450	0	137	93%	77%	99%	93%	100%	100%	100%	
	AN	1,423	521	1,944	2,817	440	0	137	84%	58%	96%	84%	100%	100%	100%	
	BN	952	509	1,461	2,849	445	0	137	55%	39%	84%	76%	100%	100%	100%	
	D	732	518	1,250	2,835	429	0	136	37%	31%	77%	73%	99%	99%	99%	
	C	224	486	711	2,578	350	0	115	10%	10%	58%	58%	83%	85%	83%	
Rank	Probability of Exceedence															
1	0.0%	2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%	
2	1.3%	2,320	623	2,857	3,000	469	0	137	100%	100%	100%	100%	100%	100%	100%	
3	2.5%	2,310	610	2,856	2,950	465	0	137	100%	100%	100%	100%	100%	100%	100%	
4	3.8%	2,301	600	2,850	2,941	464	0	137	100%	100%	100%	100%	100%	100%	100%	
5	5.0%	2,301	593	2,841	2,939	458	0	137	100%	100%	100%	100%	100%	100%	100%	
6	6.3%	2,276	591	2,819	2,938	458	0	137	100%	100%	100%	100%	100%	100%	100%	
7	7.5%	2,238	584	2,776	2,937	457	0	137	100%	100%	100%	100%	100%	100%	100%	
8	8.8%	2,182	581	2,732	2,936	456	0	137	100%	100%	100%	100%	100%	100%	100%	
9	10.0%	2,161	561	2,711	2,932	455	0	137	100%	97%	100%	100%	100%	100%	100%	
10	11.3%	2,139	557	2,697	2,928	455	0	137	100%	95%	100%	100%	100%	100%	100%	
11	12.5%	2,052	557	2,609	2,927	455	0	137	100%	86%	100%	100%	100%	100%	100%	
12	13.8%	2,046	556	2,585	2,916	453	0	137	100%	86%	100%	100%	100%	100%	100%	
13	15.0%	2,002	551	2,540	2,901	452	0	137	100%	85%	100%	100%	100%	100%	100%	
14	16.3%	1,977	551	2,521	2,900	451	0	137	100%	84%	100%	100%	100%	100%	100%	
15	17.5%	1,968	550	2,513	2,892	451	0	137	100%	82%	100%	100%	100%	100%	100%	
16	18.8%	1,752	548	2,303	2,889	450	0	137	100%	76%	100%	100%	100%	100%	100%	
17	20.0%	1,731	546	2,276	2,888	450	0	137	100%	75%	100%	100%	100%	100%	100%	
18	21.3%	1,711	545	2,244	2,885	449	0	137	100%	75%	100%	100%	100%	100%	100%	
19	22.5%	1,671	544	2,201	2,882	448	0	137	100%	72%	100%	97%	100%	100%	100%	
20	23.8%	1,670	543	2,192	2,878	447	0	137	100%	72%	100%	97%	100%	100%	100%	
21	25.0%	1,549	540	2,085	2,875	447	0	137	100%	62%	100%	87%	100%	100%	100%	
22	26.3%	1,541	540	2,059	2,872	446	0	137	100%	62%	100%	87%	100%	100%	100%	
23	27.5%	1,524	539	2,056	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%	
24	28.8%	1,518	538	2,044	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%	
25	30.0%	1,458	538	1,992	2,867	445	0	137	92%	59%	100%	84%	100%	100%	100%	
26	31.3%	1,438	536	1,953	2,867	445	0	137	89%	59%	100%	84%	100%	100%	100%	
27	32.5%	1,415	536	1,913	2,861	445	0	137	87%	57%	100%	82%	100%	100%	100%	
28	33.8%	1,405	535	1,908	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%	
29	35.0%	1,363	534	1,897	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%	
30	36.3%	1,340	532	1,870	2,854	443	0	137	85%	56%	100%	81%	100%	100%	100%	
31	37.5%	1,329	532	1,846	2,853	443	0	137	85%	56%	100%	81%	100%	100%	100%	
32	38.8%	1,302	532	1,818	2,851	443	0	137	76%	55%	100%	80%	100%	100%	100%	
33	40.0%	1,287	531	1,815	2,847	443	0	137	75%	55%	100%	80%	100%	100%	100%	
34	41.3%	1,259	530	1,751	2,847	442	0	137	75%	54%	100%	79%	100%	100%	100%	
35	42.5%	1,243	526	1,747	2,847	442	0	137	72%	53%	97%	78%	100%	100%	100%	
36	43.8%	1,211	523	1,731	2,845	442	0	137	70%	52%	95%	77%	100%	100%	100%	
37	45.0%	1,160	520	1,660	2,845	442	0	137	70%	50%	95%	75%	100%	100%	100%	
38	46.3%	1,157	520	1,658	2,844	442	0	137	68%	48%	93%	75%	100%	100%	100%	
39	47.5%	1,139	519	1,647	2,839	441	0	137	67%	47%	92%	75%	100%	100%	100%	
40	48.8%	1,127	519	1,638	2,837	441	0	137	66%	46%	91%	75%	100%	100%	100%	
41	50.0%	1,120	518	1,633	2,836	440	0	137	65%	43%	90%	75%	100%	100%	100%	
42	51.3%	1,104	516	1,628	2,832	440	0	137	64%	42%	89%	75%	100%	100%	100%	
43	52.5%	1,104	515	1,580	2,831	440	0	137	63%	41%	88%	75%	100%	100%	100%	
44	53.8%	1,047	513	1,576	2,829	440	0	137	63%	41%	88%	75%	100%	100%	100%	
45	55.0%	1,035	511	1,559	2,829	439	0	137	62%	41%	87%	75%	100%	100%	100%	
46	56.3%	988	509	1,529	2,823	439	0	137	60%	41%	85%	75%	100%	100%	100%	
47	57.5%	978	508	1,516	2,822	438	0	137	59%	40%	84%	75%	100%	100%	100%	
48	58.8%	974	506	1,513	2,821	438	0	137	59%	39%	84%	75%	100%	100%	100%	
49	60.0%	954	504	1,476	2,818	438	0	137	58%	38%	83%	75%	100%	100%	100%	
50	61.3%	936	503	1,465	2,817	438	0	137	52%	36%	77%	75%	100%	100%	100%	
51	62.5%	935	502	1,456	2,806	438	0	137	50%	36%	75%	75%	100%	100%	100%	
52	63.8%	922	501	1,453	2,796	437	0	137	49%	36%	75%	75%	100%	100%	100%	
53	65.0%	919	501	1,452	2,793	437	0	137	48%	35%	75%	75%	100%	100%	100%	
54	66.3%	884	500	1,384	2,791	437	0	137	48%	33%	75%	75%	100%	100%	100%	
55	67.5%	877	493	1,380	2,781	436	0	137	43%	32%	75%	75%	100%	100%	100%	
56	68.8%	852	492	1,352	2,772	435	0	137	39%	32%	75%	75%	100%	100%	100%	
57	70.0%	721	489	1,200	2,766	434	0	137	31%	31%	75%	75%	100%	100%	100%	
58	71.3%	678	489	1,197	2,765	434	0	137	30%	30%	75%	75%	100%	100%	100%	
59	72.5%	662	483	1,181	2,765	434	0	137	29%	29%	75%	75%	100%	100%	100%	
60	73.8%	612	481	1,157	2,755	433	0	137	27%	27%	75%	75%	100%	100%	100%	
61	75.0%	604	479	1,155	2,745	432	0	137	26%	26%	75%	75%	100%	100%	100%	
62	76.3%	587	478	1,122	2,745	431	0	137	25%	25%	75%	75%	100%	100%	100%	
63	77.5%	571	478	1,083	2,729	431	0	137	25%	25%	75%	75%	100%	100%	100%	
64	78.8%	540	476	1,034	2,728	431	0	137	24%	24%	74%	74%	100%	100%	100%	
65	80.0%	474	472	1,002	2,712	431	0	137	21%	21%	71%	71%	100%	100%	100%	
66	81.3%	473	472	939	2,703	427	0	137	21%	21%	71%	71%	100%	100%	100%	
67	82.5%	437	472	881	2,697	422	0	137	20%	20%	70%	70%	100%	100%	100%	
68	83.8%	343	471	871	2,695	421	0	137	16%	16%	66%	66%	100%	100%	100%	
69	85.0%	339	468	803	2,692	418	0	137	15%	15%	65%	65%	100%	100%	100%	
70	86.3%	280	467	783	2,677											

Alternative C Compared to No Action Alternative

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Table WS-SWP-7a

Alternative C
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period ¹	66%	66%	96%
Water Year Types²			
Wet (32%)	81%	81%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	66%	66%	100%
Dry (22%)	60%	60%	100%
Critical (15%)	40%	40%	75%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	2,634	92	50
Water Year Types²			
Wet (32%)	3,188	135	99
Above Normal (15%)	2,722	46	58
Below Normal (17%)	2,627	117	32
Dry (22%)	2,448	72	10
Critical (15%)	1,643	39	16

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	706	2,070	2,776
Water Year Types²			
Wet (32%)	900	2,522	3,422
Above Normal (15%)	732	2,094	2,826
Below Normal (17%)	689	2,087	2,776
Dry (22%)	617	1,914	2,531
Critical (15%)	413	1,286	1,698

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period ¹	948
Water Year Types²	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	759

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period ¹	24	4	209	46	693	89	281	9	1,421
Water Year Types²									
Wet (32%)	30	5	257	57	884	109	339	11	1,729
Above Normal (15%)	25	4	218	48	719	92	277	9	1,433
Below Normal (17%)	24	4	211	46	677	88	285	8	1,432
Dry (22%)	22	3	187	42	606	80	265	8	1,318
Critical (15%)	14	2	127	28	405	53	178	5	885

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-7b

**No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period ¹	62%	62%	96%
Water Year Types²			
Wet (32%)	80%	80%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	64%	64%	100%
Dry (22%)	54%	54%	100%
Critical (15%)	30%	30%	75%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type**

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	2,496	91	51
Water Year Types²			
Wet (32%)	3,132	124	81
Above Normal (15%)	2,730	67	44
Below Normal (17%)	2,593	120	45
Dry (22%)	2,202	62	32
Critical (15%)	1,234	52	30

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	670	1,969	2,639
Water Year Types²			
Wet (32%)	873	2,466	3,338
Above Normal (15%)	727	2,113	2,840
Below Normal (17%)	681	2,078	2,758
Dry (22%)	568	1,727	2,296
Critical (15%)	318	998	1,316

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period ¹	950
Water Year Types²	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	772

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region		
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	
Long-term										
Full Simulation Period ¹	23	4	199	44	658	84	267	8	1,353	
Water Year Types²										
Wet (32%)	29	5	252	56	858	108	331	11	1,689	
Above Normal (15%)	25	4	218	48	714	93	282	9	1,447	
Below Normal (17%)	23	4	207	45	669	86	284	8	1,432	
Dry (22%)	19	3	172	38	558	73	236	7	1,190	
Critical (15%)	11	2	97	21	312	40	138	4	692	

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-7c

**Difference: Alternative C minus No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period ¹	3%	3%	0%
Water Year Types²			
Wet (32%)	1%	1%	0%
Above Normal (15%)	0%	0%	0%
Below Normal (17%)	1%	1%	0%
Dry (22%)	6%	6%	0%
Critical (15%)	10%	10%	0%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**Difference: Alternative C minus No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type**

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	138	0	-1
Water Year Types²			
Wet (32%)	56	10	18
Above Normal (15%)	-8	-20	14
Below Normal (17%)	33	-3	-13
Dry (22%)	246	10	-21
Critical (15%)	410	-13	-14

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**Difference: Alternative C minus No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	36	101	137
Water Year Types²			
Wet (32%)	27	57	84
Above Normal (15%)	5	-19	-15
Below Normal (17%)	8	9	17
Dry (22%)	49	187	235
Critical (15%)	95	288	383

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**Difference: Alternative C minus No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period ¹	-2
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	-14

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**Difference: Alternative C minus No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region	South Lahonton Hydrologic Region	South Coast Hydrologic Region		
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)		
Long-term									
Full Simulation Period ¹	2	0	10	2	35	5	14	0	68
Water Year Types²									
Wet (32%)	1	0	6	1	27	2	8	0	40
Above Normal (15%)	0	0	0	0	5	0	-5	0	-14
Below Normal (17%)	1	0	4	1	8	2	1	0	0
Dry (22%)	2	0	15	4	48	8	29	1	128
Critical (15%)	4	1	30	7	93	13	40	1	194

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-7d

State Water Project (SWP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	Ag Service Table A Allocation (EO May)	Ag Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	62%	670
Alternative C	66%	706
Difference	3%	36
Percent Difference ³		5.3%
Water Year Types²		
Wet (32%)		
No Action Alternative	80%	873
Alternative C	81%	900
Difference	1%	27
Percent Difference		3.1%
Above Normal (15%)		
No Action Alternative	69%	727
Alternative C	69%	732
Difference	0%	5
Percent Difference		0.7%
Below Normal (17%)		
No Action Alternative	64%	681
Alternative C	66%	689
Difference	1%	8
Percent Difference		1.2%
Dry (22%)		
No Action Alternative	54%	568
Alternative C	60%	617
Difference	6%	49
Percent Difference		8.6%
Critical (15%)		
No Action Alternative	30%	318
Alternative C	40%	413
Difference	10%	95
Percent Difference		29.9%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

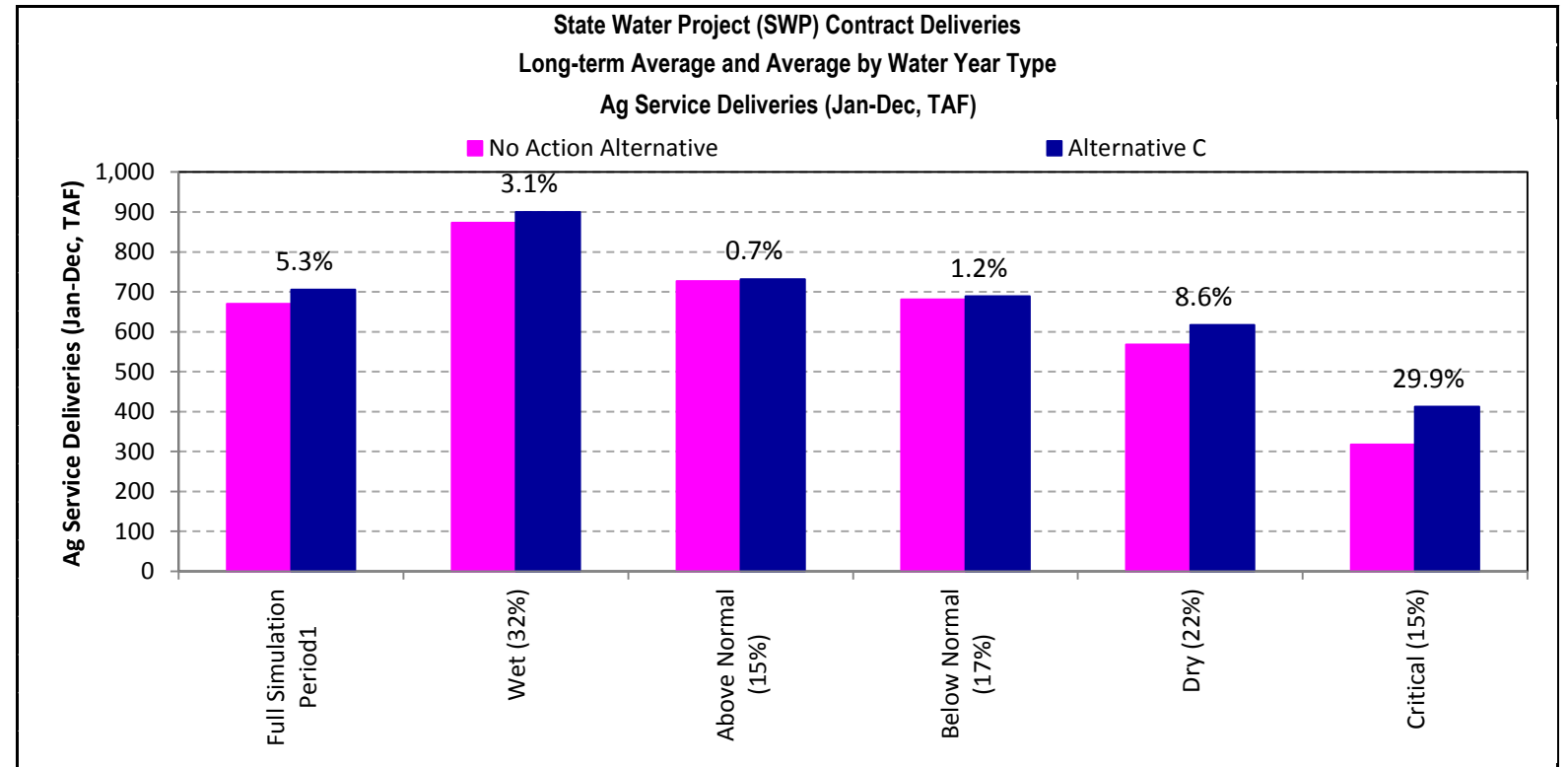
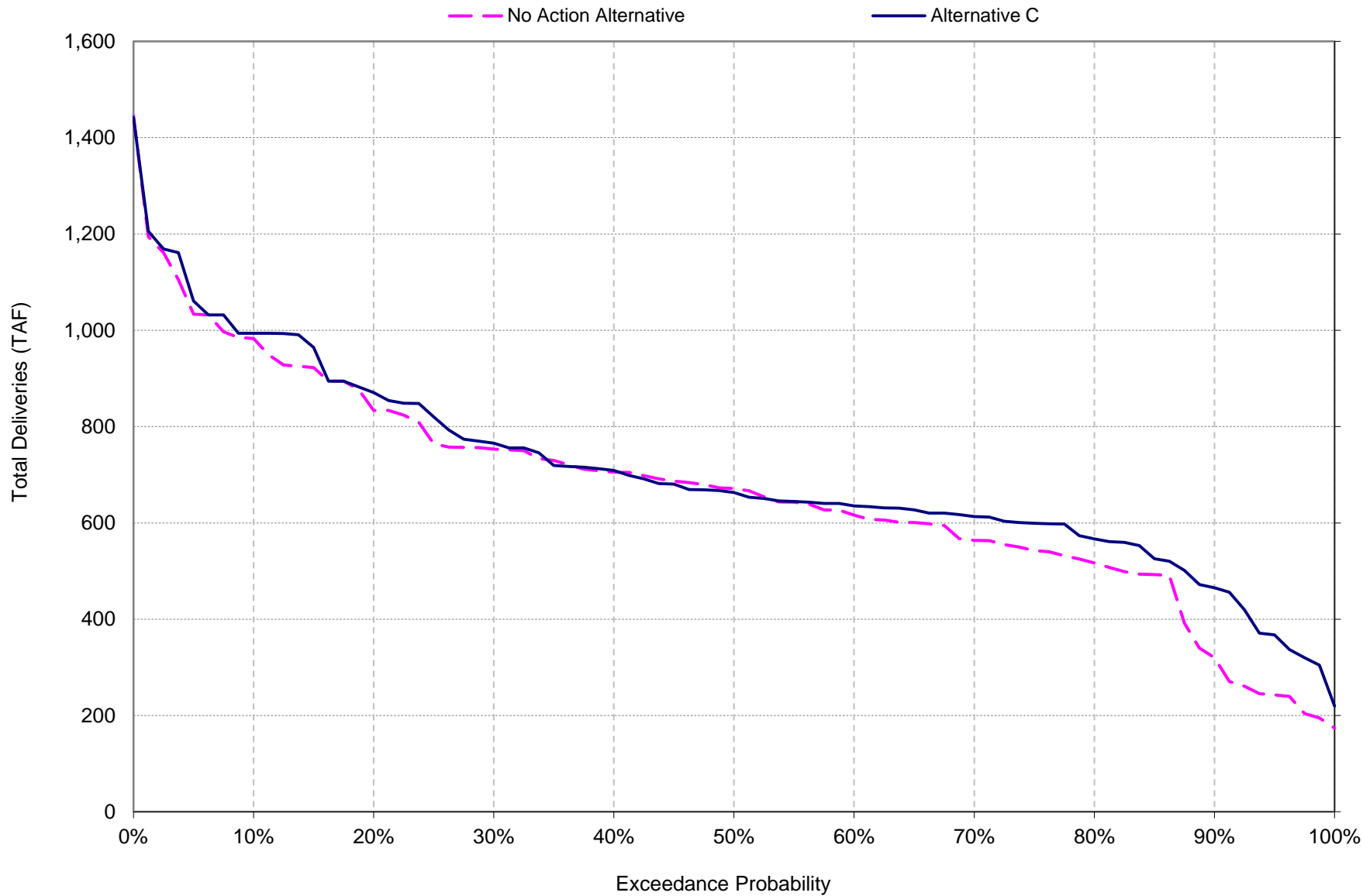


Figure WS-CVP-7e
State Water Project (SWP) Total Ag Service Contract Deliveries
Probability Exceedance Chart



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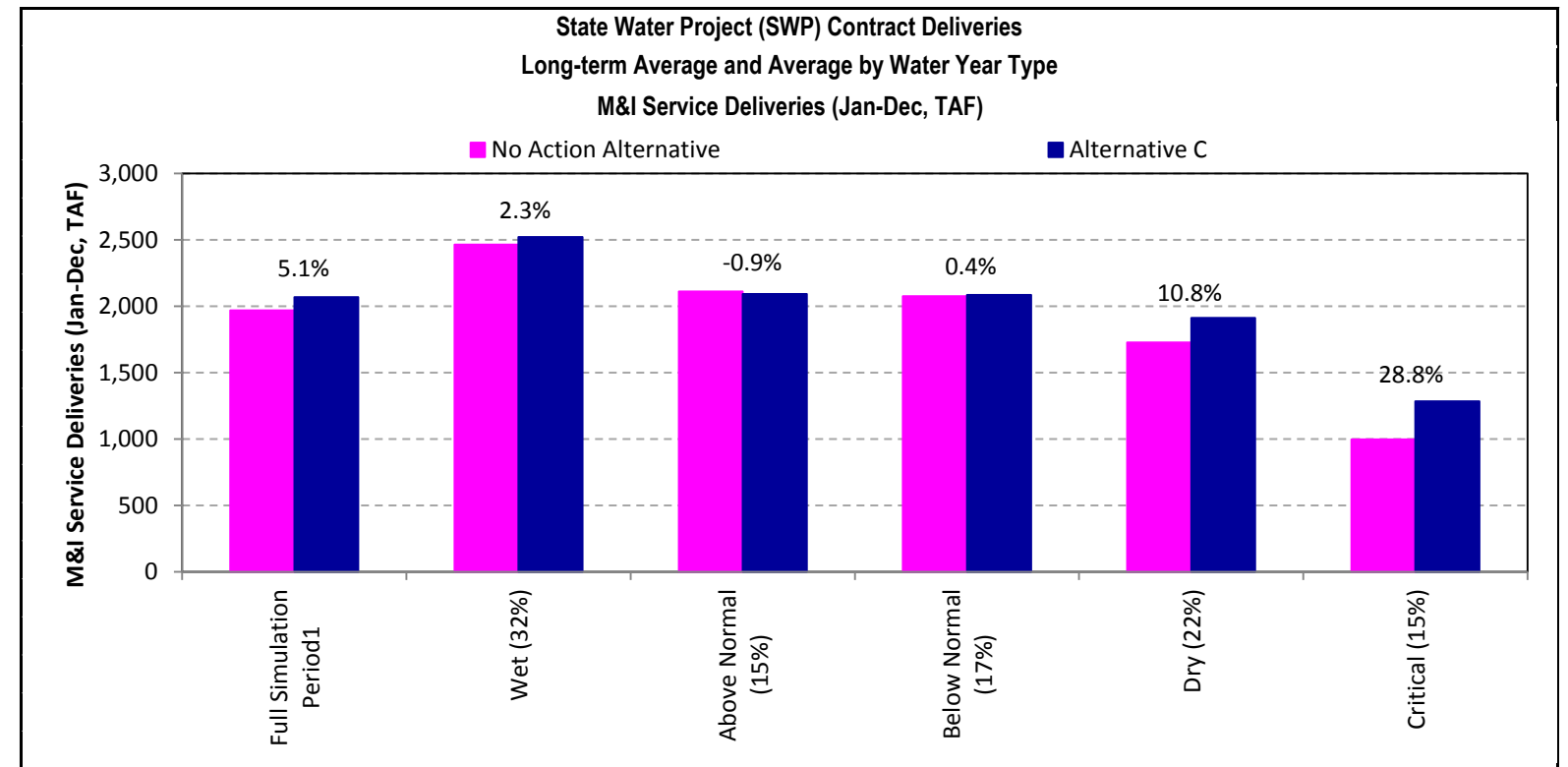
Table WS-SWP-7f

State Water Project (SWP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	M&I Service Table A Allocation (EO May)	M&I Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	62%	1,969
Alternative C	66%	2,070
Difference	3%	101
Percent Difference ³		5.1%
Water Year Types²		
Wet (32%)		
No Action Alternative	80%	2,466
Alternative C	81%	2,522
Difference	1%	57
Percent Difference		2.3%
Above Normal (15%)		
No Action Alternative	69%	2,113
Alternative C	69%	2,094
Difference	0%	-19
Percent Difference		-0.9%
Below Normal (17%)		
No Action Alternative	64%	2,078
Alternative C	66%	2,087
Difference	1%	9
Percent Difference		0.4%
Dry (22%)		
No Action Alternative	54%	1,727
Alternative C	60%	1,914
Difference	6%	187
Percent Difference		10.8%
Critical (15%)		
No Action Alternative	30%	998
Alternative C	40%	1,286
Difference	10%	288
Percent Difference		28.8%

1 Based on the 82-year simulation period

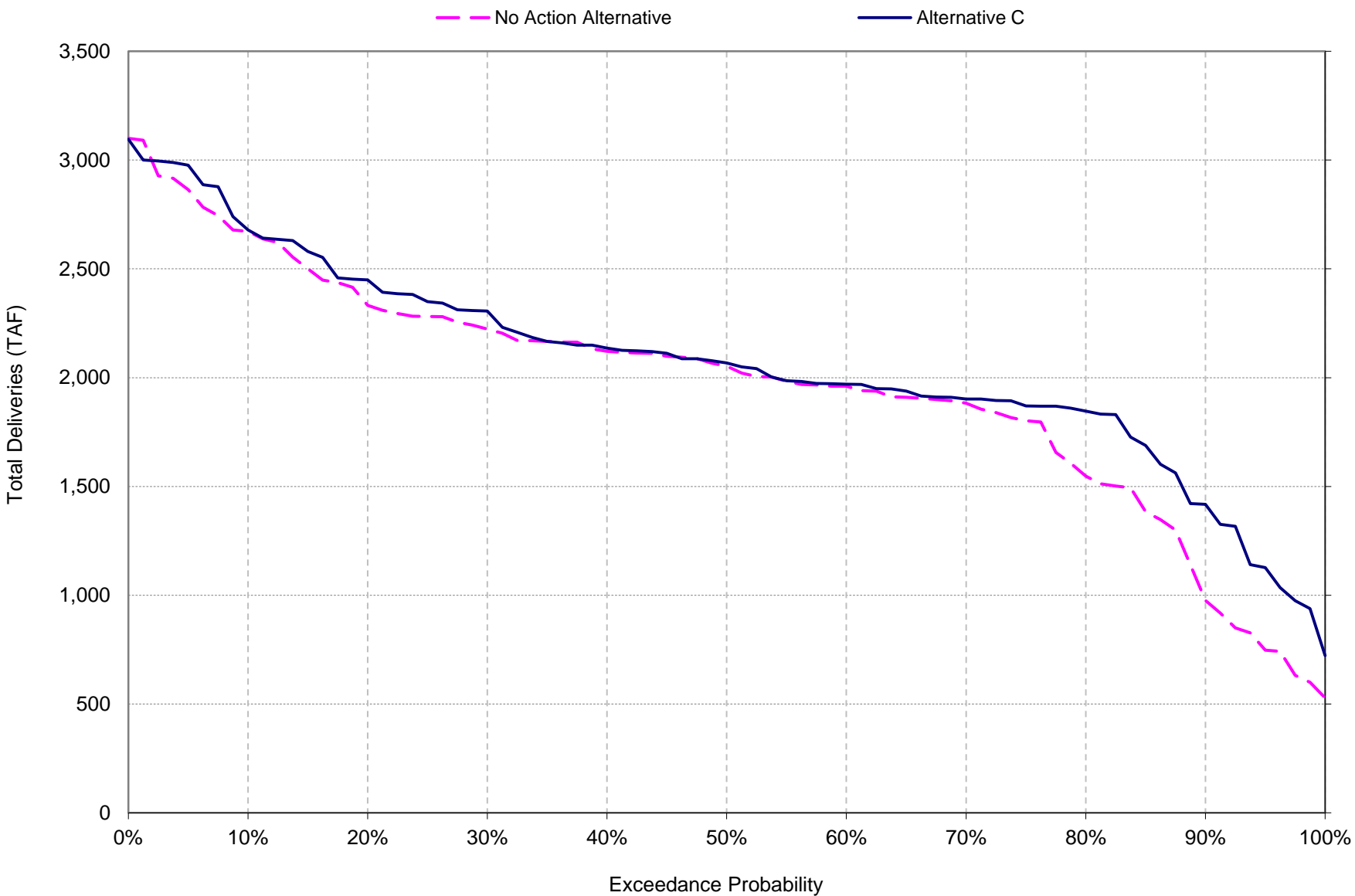
2 As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

3 Relative difference of the monthly average



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Figure WS-CVP-7g
State Water Project (SWP) Total M&I Service Contract Deliveries
Probability Exceedance Chart



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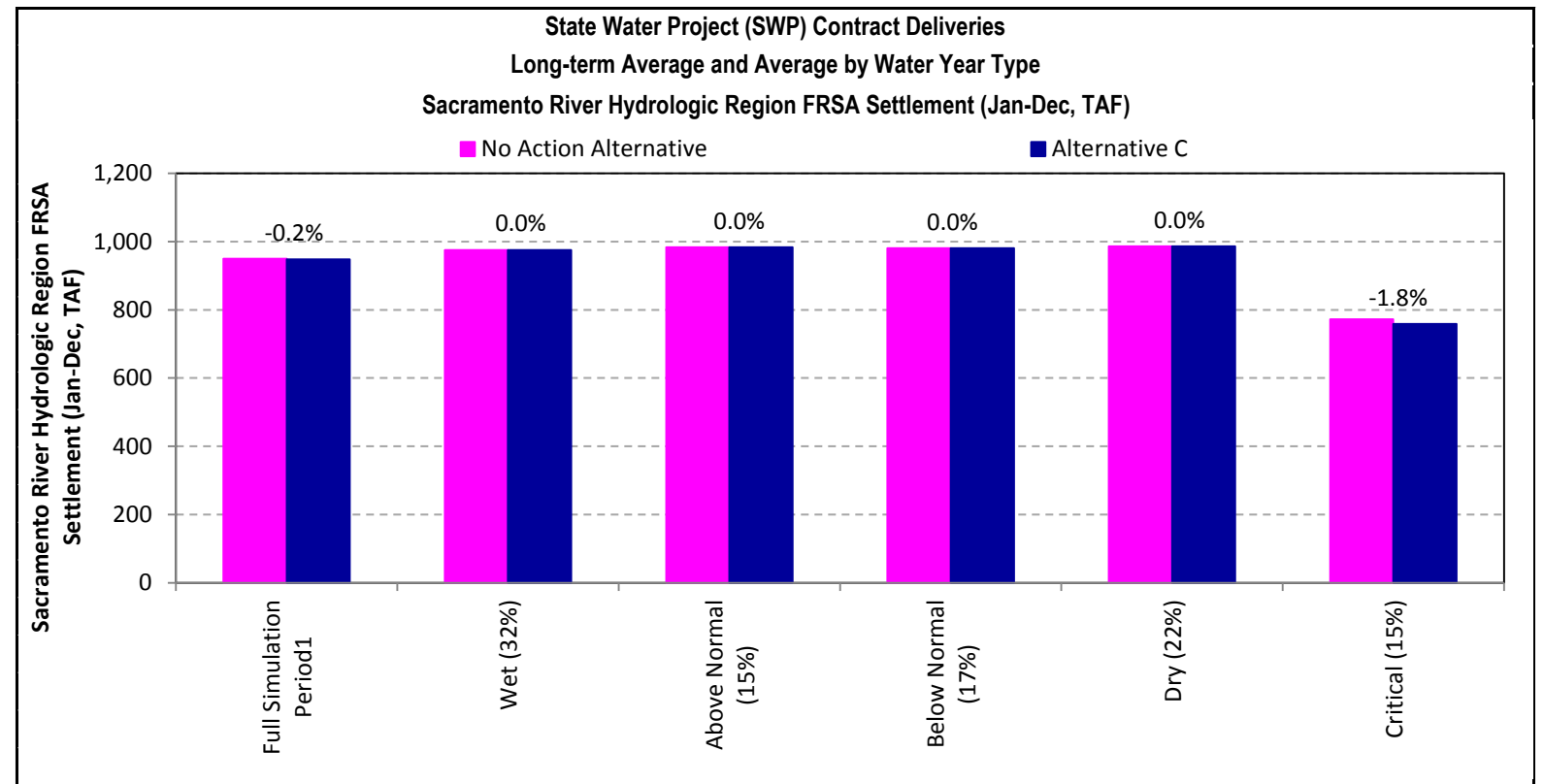
Table WS-SWP-7h

State Water Project (SWP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	FRSA Settlement Contract Allocation (EO May)	Sacramento River Hydrologic Region FRSA Settlement (Jan-Dec, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	96%	950
Alternative C	96%	948
Difference	0%	-2
Percent Difference ³		-0.2%
Water Year Types²		
Wet (32%)		
No Action Alternative	100%	976
Alternative C	100%	976
Difference	0%	0
Percent Difference		0.0%
Above Normal (15%)		
No Action Alternative	100%	983
Alternative C	100%	983
Difference	0%	0
Percent Difference		0.0%
Below Normal (17%)		
No Action Alternative	100%	981
Alternative C	100%	981
Difference	0%	0
Percent Difference		0.0%
Dry (22%)		
No Action Alternative	100%	986
Alternative C	100%	986
Difference	0%	0
Percent Difference		0.0%
Critical (15%)		
No Action Alternative	75%	772
Alternative C	75%	759
Difference	0%	-14
Percent Difference		-1.8%

¹ Based on the 82-year simulation period

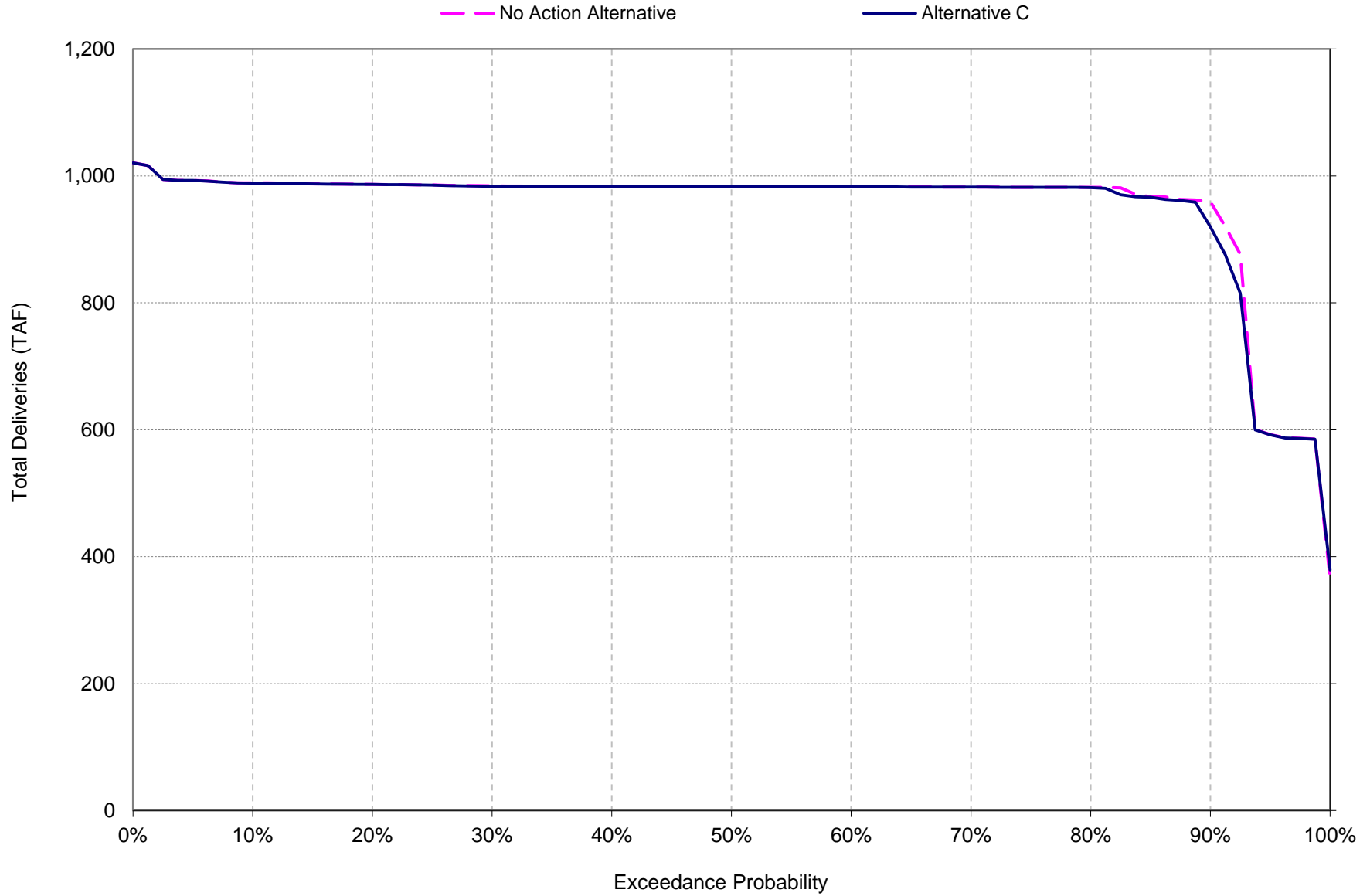
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-7i
State Water Project (SWP) FRSA Settlement Contract Deliveries
Probability Exceedance Chart



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Table WS-SWP-7j

Year		Alternative C										Alternative C			Alternative C								
		State Water Project (SWP) Contract Deliveries										State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations								
		Sacramento Valley 40-30-30 Index		Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery
		FRSA Settlement (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
1922	2	AN	983	26	4	222	49	700	93	793	260	9	1,354	1,363	713	2,004	2,716	69%	69%	100%	2,700	0	16
1923	3	BN	994	23	4	202	43	624	83	707	293	8	1,442	1,450	635	2,087	2,722	62%	62%	100%	2,529	176	18
1924	5	C	585	15	2	132	29	412	55	467	182	5	905	910	419	1,317	1,736	41%	41%	50%	1,693	34	10
1925	4	D	983	22	4	200	44	629	84	713	259	8	1,308	1,315	640	1,915	2,556	62%	62%	100%	2,540	1	15
1926	4	D	989	21	3	179	42	601	80	681	264	8	1,316	1,323	612	1,901	2,514	59%	59%	100%	2,465	43	6
1927	1	W	982	22	3	187	41	587	78	665	250	7	1,253	1,260	598	1,830	2,428	58%	58%	100%	2,413	1	14
1928	2	AN	983	23	3	195	43	620	82	702	258	8	1,300	1,308	631	1,902	2,533	61%	61%	100%	2,519	1	13
1929	5	C	981	16	3	139	31	448	60	508	196	6	977	983	456	1,418	1,875	44%	44%	100%	1,839	28	8
1930	4	D	983	18	3	158	36	516	69	585	220	6	1,101	1,107	525	1,602	2,127	51%	51%	100%	2,116	1	10
1931	5	C	592	13	2	117	25	361	48	409	155	5	770	774	367	1,127	1,495	36%	36%	50%	1,484	1	10
1932	4	D	989	22	3	185	42	602	80	682	256	8	1,285	1,292	613	1,869	2,483	59%	59%	100%	2,475	0	8
1933	5	C	988	12	2	120	25	364	48	413	156	5	778	782	371	1,140	1,511	36%	36%	100%	1,498	2	12
1934	5	C	586	15	2	134	29	463	55	518	177	6	916	923	472	1,326	1,797	41%	41%	50%	1,704	0	93
1935	3	BN	983	24	4	209	47	679	90	769	260	9	1,343	1,351	691	1,973	2,665	67%	67%	100%	2,654	1	10
1936	3	BN	987	25	4	220	49	703	93	796	286	9	1,462	1,471	716	2,136	2,851	69%	69%	100%	2,705	134	12
1937	3	BN	982	31	5	273	61	977	117	1,094	362	12	1,835	1,847	994	2,678	3,672	87%	87%	100%	3,376	182	114
1938	1	W	982	35	5	300	68	976	130	1,106	409	12	2,059	2,071	994	3,000	3,994	96%	96%	100%	3,751	231	12
1939	4	D	1,016	21	3	171	38	551	73	624	289	7	1,378	1,385	561	1,970	2,531	54%	54%	100%	2,262	259	10
1940	2	AN	982	23	4	207	46	655	87	742	260	8	1,327	1,335	667	1,950	2,617	65%	65%	100%	2,602	1	14
1941	1	W	970	30	5	248	58	833	111	944	328	10	1,674	1,685	848	2,449	3,297	82%	82%	100%	3,202	93	2
1942	1	W	983	28	4	241	53	760	101	861	325	10	1,635	1,644	774	2,383	3,156	75%	75%	100%	2,922	219	16
1943	1	W	983	31	5	268	59	855	114	968	356	11	1,802	1,813	870	2,630	3,501	84%	84%	100%	3,287	199	15
1944	4	D	984	22	4	197	45	642	85	727	305	8	1,496	1,504	653	2,150	2,803	63%	63%	100%	2,567	227	10
1945	3	BN	982	26	4	235	51	806	97	903	283	10	1,516	1,526	820	2,208	3,028	72%	72%	100%	2,809	65	154
1946	3	BN	983	25	4	218	47	670	89	759	300	8	1,489	1,497	682	2,167	2,848	66%	66%	100%	2,635	193	20
1947	4	D	983	24	4	203	45	651	86	738	281	8	1,402	1,411	663	2,042	2,705	64%	64%	100%	2,593	101	11
1948	3	BN	920	21	3	187	41	588	78	666	266	7	1,318	1,326	598	1,911	2,509	58%	58%	100%	2,414	82	14
1949	4	D	984	22	3	180	42	606	80	687	257	8	1,288	1,296	617	1,870	2,487	60%	60%	100%	2,475	1	10
1950	3	BN	982	20	3	183	38	550	73	623	235	7	1,177	1,184	560	1,727	2,286	54%	54%	100%	2,258	6	21
1951	2	AN	986	29	4	253	54	1,044	103	1,146	287	13	1,660	1,673	1,061	2,386	3,447	76%	76%	100%	2,975	1	470
1952	1	W	983	34	5	281	66	947	126	1,073	395	12	1,985	1,997	964	2,887	3,851	93%	93%	100%	3,641	209	2
1953	1	W	986	22	3	191	41	588	78	667	302	7	1,453	1,460	599	2,087	2,686	58%	58%	100%	2,418	251	17
1954	2	AN	983	23	3	194	43	616	82	697	258	8	1,296	1,304	627	1,895	2,522	61%	61%	100%	2,508	1	13
1955	4	D	993	23	4	202	44	639	85	724	263	8	1,331	1,339	651	1,949	2,600	63%	63%	100%	2,565	21	14
1956	1	W	993	32	5	274	61	977	117	1,093	337	12	1,759	1,771	994	2,580	3,574	87%	87%	100%	3,377	60	136
1957	2	AN	983	21	3	183	39	557	74	631	285	7	1,371	1,378	567	1,972	2,539	55%	55%	100%	2,289	233	18
1958	1	W	959	36	6	310	70	1,014	135	1,148	375	13	1,951	1,964	1,032	2,878	3,910	100%	100%	100%	3,896	1	13
1959	3	BN	990	19	3	163	36	511	68	579	273	6	1,302	1,308	520	1,860	2,381	50%	50%	100%	2,101	269	11
1960	4	D	983	19	3	170	38	543	72	615	232	7	1,159	1,165	553	1,689	2,242	54%	54%	100%	2,230	1	10
1961	4	D	983	21	3	176	42	609	81	690	257	8	1,291	1,299	621	1,869	2,490	60%	60%	100%	2,481	1	8
1962	3	BN	983	22	3	195	43	619	82	701	260	8	1,307	1,315	630	1,909	2,540	61%	61%	100%	2,516	11	13
1963	1	W	967	23	4	203	43	623	83	705	263	8	1,322	1,330	634	1,938	2,572	61%	61%	100%	2,526	26	20
1964	4	D	989	24	4	207	46	657	87	744	266	8	1,353	1,361	669	1,983	2,652	65%	65%	100%	2,607	32	13
1965	1	W	987	29	4	244	54	779	103	882	306	10	1,572	1,582	793	2,308	3,101	77%	77%	100%	2,995	92	14
1966	3	BN	987	25	4	211	46	657	87	745	302	8	1,489	1,497	669	2,160	2,829	65%	65%	100%	2,608	204	17
1967	1	W	983	28	4	243	53	833	101	934	298	10	1,589	1,600	848	2,312	3,160	75%	75%	100%	2,910	93	157
1968	3	BN	983	26	4	219	49	704	94	798	280	9	1,410	1,419	717	2,078	2,795	69%	69%	100%	2,709	75	12
1969	1	W	983	37	6	300	70	1,014	135	1,148	396	13	2,057	2,070	1,032	2,996	4,028	100%	100%	100%	3,896	100	32
1970	1	W	983	29	4	257	54	974	103	1,076	318	13	1,632	1,645	991	2,392	3,383	76%	76%	100%	2,979	120	284
1971	1	W	985	24	4	201	44	629	84	713	300	8	1,469	1,476	641	2,121	2,761	62%	62%	100%	2,542	205	14
1972	3	BN	992	24	4	207	44	633	84	717	267	8	1,344	1,352	645	1,969	2,614	62%	62%	100%	2,552	43	20
1973	2	AN	982	26	4	222	48	696	92	789	270	9	1,391	1,400	709	2,050	2,758	69%	69%	100%	2,692	50	16
1974	1	W	982	31	5	263	58	839	111	950	343	11	1,745	1,756	854	2,552	3,406	83%	83%	100%	3,225	166	16
1975	1	W	982	27	4	233	51	732	97	829	317	9	1,581	1,591	746	2,306	3,052	72%	72%	100%	2,815	220	16
1976	5	C	1,021	23	4	198	44	634	84	718	298	8	1,464	1,472	646	2,112	2,757	63%	63%	100%	2,553	193	11
1977	5	C	379	8	1	67	15	216	29	244	103	3	502	504	220	723	943	21%	21%	50%	887	54	2
1978	2	AN	983	26	4	222	52	752	100	852	277	9	1,448	1,457	766	2,125	2,891	74%	74%	100%	2,889	0	2
1979	3	BN	982	28	4	237	53	756	100	857	319	9	1,612	1,622	770	2,349	3,119	75%	75%	100%	2,906	199	14
1980	2	AN	986	32	5	261	61	879	117	995	348	11	1,816	1,827	894	2,635	3,530	87%	87%	100%	3,377	109	44
1981	4	D	983	24	4	201	44	632	84	715	307	8	1,490	1,498	643	2,150	2,793	62%	62%	100%	2,547	231	14
1982	1	W	967																				

Table WS-SWP-7j

		Alternative C													Alternative C																		
		State Water Project (SWP) Contract Deliveries													State Water Project (SWP) Delivery Operations																		
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region		San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region			Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Deliveries	Ag Service Allocation	M&I Service Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery							
		FRSA Settlement	M&I Service		Ag Service	M&I Service		M&I Service	Ag Service	M&I Service	Total	M&I Service	Ag Service	M&I Service	Total	(Jan-Dec, TAF)	(Jan-Dec, TAF)										(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
		(Jan-Dec, TAF)	(Jan-Dec, TAF)		(Jan-Dec, TAF)	(Jan-Dec, TAF)		(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)										(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)
AVG:		948	24		4		209		46		693	89		782		281		9		1,421	1,430		706		2,070	2,776							
MIN:		379	8		1		67		15		216	29		244		103		3		502	504		220		723	943							
MAX:		1,021	37		6		319		70		1,421	135		1,556		420		16		2,116	2,131		1,442		3,096	4,538							
DP:	29-34, 76-77	819	15		2		135		30		435	57		492		188		5		937	942		443		1,363	1,806							
AVG:	W	976	30		5		257		57		884	109		994		339		11		1,729	1,740		900		2,522	3,422							
	AN	983	25		4		218		48		719	92		811		277		9		1,433	1,442		732		2,094	2,826							
	BN	981	24		4		211		46		677	88		765		285		8		1,432	1,440		689		2,087	2,776							
	D	986	22		3		187		42		606	80		686		265		8		1,318	1,325		617		1,914	2,531							
	C	759	14		2		127		28		405	53		459		178		5		885	890		413		1,286	1,698							
Rank	Probability of	1,021	37		6		319		70		1,421	135		1,556		420		16		2,116	2,131		1,442		3,096	4,538							
2	1.3%	1,016	37		6		318		70		1,187	135		1,290		409		15		2,059	2,071		1,205		3,000	4,138							
3	2.5%	994	37		6		310		70		1,150	135		1,275		407		14		2,057	2,070		1,169		2,996	4,028							
4	3.8%	993	36		6		300		70		1,141	135		1,266		396		14		2,057	2,070		1,161		2,989	3,994							
5	5.0%	993	35		5		300		68		1,044	130		1,148		395		13		2,025	2,040		1,061		2,977	3,982							
6	6.3%	992	35		5		292		68		1,014	130		1,148		392		13		1,985	1,997		1,032		2,887	3,910							
7	7.5%	990	34		5		284		66		1,014	126		1,146		375		13		1,951	1,964		1,032		2,878	3,851							
8	8.8%	989	32		5		281		61		977	117		1,106		362		13		1,909	1,920		994		2,740	3,810							
9	10.0%	989	32		5		274		61		977	117		1,105		361		12		1,835	1,847		994		2,678	3,672							
10	11.3%	989	32		5		273		61		976	117		1,094		356		12		1,816	1,827		994		2,642	3,664							
11	12.5%	988	31		5		268		61		976	117		1,093		350		12		1,802	1,813		994		2,635	3,635							
12	13.8%	988	31		5		264		61		974	116		1,076		348		12		1,799	1,813		991		2,630	3,574							
13	15.0%	987	31		5		263		60		947	115		1,073		343		12		1,759	1,771		964		2,580	3,530							
14	16.3%	987	31		5		261		59		879	114		995		337		11		1,745	1,756		894		2,552	3,501							
15	17.5%	987	30		5		261		58		879	111		995		328		11		1,692	1,705		894		2,459	3,447							
16	18.8%	987	30		5		257		58		867	111		982		325		11		1,674	1,685		883		2,453	3,406							
17	20.0%	987	29		4		257		54		855	103		968		321		11		1,669	1,680		870		2,449	3,383							
18	21.3%	986	29		4		253		54		839	103		950		321		11		1,660	1,673		854		2,392	3,336							
19	22.5%	986	29		4		248		54		833	103		944		319		10		1,635	1,645		848		2,386	3,297							
20	23.8%	986	29		4		244		54		833	103		934		318		10		1,632	1,644		848		2,383	3,160							
21	25.0%	986	28		4		243		53		806	101		903		317		10		1,612	1,622		820		2,349	3,156							
22	26.3%	985	28		4		241		53		779	101		882		317		10		1,610	1,619		793		2,342	3,119							
23	27.5%	984	28		4		237		53		760	100		861		315		10		1,589	1,600		774		2,312	3,101							
24	28.8%	984	28		4		235		52		756	100		857		307		9		1,581	1,591		770		2,308	3,098							
25	30.0%	984	27		4		234		52		752	99		852		306		9		1,572	1,582		766		2,306	3,052							
26	31.3%	983	27		4		233		52		743	99		841		305		9		1,535	1,544		756		2,231	3,028							
27	32.5%	983	26		4		226		51		743	97		841		302		9		1,516	1,526		756		2,208	2,941							
28	33.8%	983	26		4		223		51		732	97		829		302		9		1,496	1,504		746		2,185	2,911							
29	35.0%	983	26		4		222		49		706	94		800		300		9		1,490	1,498		719		2,167	2,891							
30	36.3%	983	26		4		222		49		704	94		798		300		9		1,489	1,497		717		2,160	2,851							
31	37.5%	983	26		4		222		49		703	93		796		298		9		1,489	1,497		716		2,150	2,848							
32	38.8%	983	26		4		220		49		700	93		793		298		9		1,486	1,495		713		2,150	2,843							
33	40.0%	983	25		4		220		48		696	92		789		295		9		1,469	1,476		709		2,136	2,829							
34	41.3%	983	25		4		219		48		686	91		777		294		9		1,464	1,472		699		2,125	2,803							
35	42.5%	983	25		4		218		47		679	90		769		293		9		1,462	1,471		691		2,124	2,795							
36	43.8%	983	25		4		215		47		670	89		759		289		8		1,453	1,460		682		2,121	2,793							
37	45.0%	983	25		4		211		46		668	89		757		287		8		1,450	1,458		680		2,112	2,761							
38	46.3%	983	24		4		209		46		657	87		745		286		8		1,448	1,457		669		2,087	2,758							
39	47.5%	983	24		4		207		46		657	87		744		285		8		1,442	1,450		669		2,087	2,757							
40	48.8%	983	24		4		207		46		655	87		742		283		8		1,438	1,446		667		2,078	2,722							
41	50.0%	983	24		4		207		45		651	86		738		283		8		1,410	1,419		663		2,068	2,716							
42	51.3%	983	24		4		203		45		642	85		727		281		8		1,402	1,411		653		2,050	2,705							
43	52.5%	983	24		4		203		44		639	85		724		280		8		1,391	1,400		651		2,042	2,688							
44	53.8%	983	23		4		202		44		634	84		718		277		8		1,378	1,385		646		2,004	2,686							
45	55.0%	983	23		4		202		44		633	84		717		273		8		1,371	1,378		645		1,986	2,685							
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Table WS-SWP-7k

No Action Alternative																	
State Water Project (SWP) Contract Deliveries																	
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	
		FRSA Settlement (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	
1922	2	AN	983	26	4	227	50	721	96	817	266	9	1,387	1,397	734	2,053	2,787
1923	3	BN	994	22	3	186	41	588	78	666	290	7	1,404	1,412	598	2,021	2,620
1924	5	C	585	8	1	75	17	238	32	270	103	3	508	511	243	742	985
1925	4	D	983	19	3	193	39	633	75	707	240	8	1,252	1,260	644	1,817	2,461
1926	4	D	989	17	3	144	34	483	64	547	206	6	1,030	1,036	491	1,494	1,985
1927	1	W	982	27	4	232	52	743	99	841	275	9	1,430	1,439	756	2,114	2,870
1928	2	AN	983	24	4	210	47	671	89	760	300	8	1,493	1,501	683	2,163	2,846
1929	5	C	988	9	1	84	18	256	34	290	133	3	641	645	261	919	1,180
1930	4	D	983	17	3	149	34	484	64	548	206	6	1,032	1,038	493	1,502	1,995
1931	5	C	592	11	2	96	22	315	42	356	135	4	671	675	320	976	1,297
1932	4	D	989	15	2	137	29	541	55	595	176	7	973	980	550	1,384	1,934
1933	5	C	985	14	2	140	27	531	52	583	170	7	944	951	540	1,348	1,888
1934	5	C	587	9	1	73	17	241	32	273	103	3	514	517	245	748	993
1935	3	BN	983	25	4	230	52	744	99	842	274	9	1,432	1,441	757	2,112	2,869
1936	3	BN	987	24	4	212	47	674	90	764	300	8	1,495	1,503	687	2,167	2,853
1937	3	BN	982	31	5	279	61	980	117	1,096	350	12	1,836	1,848	997	2,673	3,669
1938	1	W	982	36	6	308	70	1,015	135	1,150	423	13	2,127	2,140	1,033	3,100	4,133
1939	4	D	1,016	20	3	163	36	522	69	592	280	7	1,325	1,332	532	1,894	2,426
1940	2	AN	982	22	4	198	44	627	83	711	259	8	1,306	1,314	639	1,912	2,551
1941	1	W	971	29	5	241	56	809	107	917	309	10	1,590	1,600	824	2,332	3,156
1942	1	W	983	24	4	208	46	655	87	742	304	8	1,494	1,503	667	2,163	2,830
1943	1	W	983	30	5	255	57	819	109	928	319	10	1,645	1,656	834	2,416	3,249
1944	4	D	985	18	3	162	35	507	67	575	260	6	1,253	1,260	517	1,796	2,313
1945	3	BN	982	27	4	250	53	910	100	1,010	281	11	1,569	1,581	925	2,280	3,206
1946	3	BN	983	25	4	217	46	667	89	756	300	8	1,493	1,501	679	2,171	2,850
1947	4	D	983	25	4	213	48	692	92	784	282	9	1,438	1,447	705	2,098	2,803
1948	3	BN	920	18	3	176	38	553	73	627	269	7	1,308	1,314	563	1,883	2,446
1949	4	D	984	17	3	154	35	498	66	565	213	6	1,063	1,069	507	1,547	2,055
1950	3	BN	982	20	3	191	41	595	79	674	254	7	1,270	1,277	606	1,855	2,461
1951	2	AN	986	28	4	247	54	969	103	1,072	287	12	1,576	1,587	985	2,295	3,280
1952	1	W	983	32	5	270	63	911	121	1,032	382	11	1,915	1,927	928	2,783	3,711
1953	1	W	986	20	3	176	38	545	72	617	281	7	1,353	1,360	555	1,941	2,496
1954	2	AN	983	22	3	188	41	590	78	669	252	7	1,260	1,267	601	1,840	2,441
1955	4	D	993	17	3	155	34	485	64	549	207	6	1,035	1,041	494	1,512	2,006
1956	1	W	993	32	5	284	61	1,142	117	1,259	326	14	1,819	1,833	1,161	2,638	3,799
1957	2	AN	983	20	3	181	39	554	74	627	283	7	1,365	1,372	564	1,961	2,525
1958	1	W	959	34	5	293	67	966	128	1,094	357	12	1,742	1,754	983	2,621	3,604
1959	3	BN	990	18	3	151	34	490	65	555	218	6	1,120	1,126	499	1,606	2,105
1960	4	D	983	18	3	167	37	533	71	603	227	7	1,137	1,143	542	1,657	2,199
1961	4	D	983	22	4	182	44	632	84	715	259	8	1,310	1,317	643	1,900	2,543
1962	3	BN	983	21	3	194	43	616	82	697	266	8	1,333	1,341	627	1,939	2,565
1963	1	W	967	22	3	198	42	605	80	685	260	8	1,303	1,310	616	1,905	2,521
1964	4	D	989	24	4	208	46	661	88	749	261	8	1,334	1,343	673	1,961	2,634
1965	1	W	987	27	4	233	51	740	98	838	292	9	1,503	1,512	753	2,204	2,958
1966	3	BN	987	23	3	198	43	616	82	698	297	8	1,450	1,458	627	2,093	2,720
1967	1	W	983	29	4	249	55	794	105	900	297	10	1,545	1,555	809	2,281	3,090
1968	3	BN	983	23	3	188	41	597	79	676	297	7	1,438	1,445	607	2,066	2,674
1969	1	W	983	36	6	298	70	1,014	135	1,148	375	13	2,013	2,025	1,032	2,928	3,960
1970	1	W	983	25	4	226	49	708	94	802	317	9	1,572	1,581	721	2,283	3,003
1971	1	W	985	24	4	204	45	643	85	728	297	8	1,466	1,474	654	2,121	2,775
1972	3	BN	992	22	3	194	41	590	78	668	264	7	1,311	1,318	601	1,909	2,510
1973	2	AN	982	25	4	221	49	699	93	792	261	9	1,354	1,362	711	2,003	2,714
1974	1	W	982	30	5	257	57	819	109	927	338	10	1,710	1,720	834	2,500	3,334
1975	1	W	982	26	4	225	50	717	95	812	309	9	1,550	1,559	730	2,255	2,985
1976	5	C	1,021	21	3	184	41	584	78	662	287	7	1,396	1,403	595	2,006	2,600
1977	5	C	366	6	1	53	12	171	23	193	74	2	361	363	174	528	702
1978	2	AN	983	26	4	219	51	739	98	837	272	9	1,422	1,431	752	2,088	2,840
1979	3	BN	982	27	4	233	52	744	99	842	314	9	1,585	1,595	757	2,310	3,067
1980	2	AN	986	32	5	261	61	879	117	995	354	11	1,854	1,865	894	2,679	3,573
1981	4	D	983	20	3	180	39	557	74	631	285	7	1,372	1,379	567	1,969	2,536
1982	1	W	967	35	6	310	70	1,085	135	1,219	384	15	1,983	1,997	1,105	2,916	4,022
1983	1	W	963	37	6	319	70	1,424	135	1,558	417	16	2,114	2,130	1,445	3,091	4,536
1984	1	W	982	29	4	264	54	1,176	103	1,279	312	14	1,686	1,700	1,194	2,448	3,642
1985	4	D	983	27	4	225	51	737	98	835	292	9	1,477	1,486	750	2,170	2,920
1986	1	W	986	31	5	260	61	879	117	995	361	11	1,915	1,926	894	2,745	3,640
1987	4	D	983	11	2	111	23	334	44	378	154	4	797	801	340	1,140	1,480
1988	5	C	600	7	1	63	13	192	25	217	82	2	409	411	195	600	795
1989	4	D	981	23	4	203	47	679	90	769	260	9	1,343	1,351	691	1,967	2,658
1990	5	C	984	8	1	79	16	235	31	266	112	3	603	606	239	850	1,089
1991	5	C	587	7	1	71	14	200	27	227	86	3	428	430	204	632	836
1992	5	C	984	9	1	83	18	266	35	301	114	3	567	571	271	827	1,098
1993	2	AN	982	26	4	232	52	751	100	851	277	9	1,446	1,455	765	2,133	2,897
1994	5	C	987	19	3	163	36	516	68	584	259	6	1,257	1,263	525	1,802	2,327
1995	1	W	987	30	5	255	60	862	114	976	319	11	1,658	1,669	877	2,437	3,314
1996	1	W	962	24	4	220	48	696	92	788	306	9	1,532	1,541	709	2,223	2,932
1997	1	W	989	31	5	261	58	907	111	1,018	345	12	1,747	1,758	923	2,554	3,477
1998	1	W	876	33	5	279	65	933	124	1,056	393	12	1,970	1,982	949	2,864	3,814
1999	1	W	983	26	4	221	48	693	92	785	312	9	1,542	1,551	706	2,241	2,947
2000	2	AN	983	24	4	209	46	660	88	747	292	8	1,458	1,466	672	2,116	2,788
2001	4	D	984	14	2	129	27	384	51	436	183	5	897	902	391	1,300	1,691
2002	4	D	983	24	4	214	48	686	91	777	260	9	1,347	1,355	698	1,983	2,

Table WS-SWP-7k

		No Action Alternative																		
		State Water Project (SWP) Contract Deliveries																		
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region		San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region			Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Deliveries
		FRSA Settlements	M&I Service		Ag Service	M&I Service	M&I Service	Ag Service	M&I Service	Total	M&I Service	Ag Service	M&I Service	Total	Ag Service	M&I Service	Total			
		(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)			
AVG:		950	23	4	199	44	658	84	742	267	8	1,353	1,361	670	1,969	2,639				
MIN:		366	6	1	53	12	171	23	193	74	2	361	363	174	528	702				
MAX:		1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536				
DP:	29-34, 76-77	831	12	2	109	24	359	45	404	149	5	763	767	366	1,102	1,468				
AVG:	W	976	29	5	252	56	858	108	965	331	11	1,689	1,700	873	2,466	3,338				
	AN	983	25	4	218	48	714	93	807	282	9	1,447	1,456	727	2,113	2,840				
	BN	981	23	4	207	45	669	86	755	284	8	1,432	1,440	681	2,078	2,758				
	D	986	19	3	172	38	558	73	631	236	7	1,190	1,197	568	1,727	2,296				
	C	772	11	2	97	21	312	40	352	138	4	692	695	318	998	1,316				

Rank	Probability of	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region		San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region			Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Deliveries
		FRSA Settlements	M&I Service	Ag Service	M&I Service	M&I Service	Ag Service	M&I Service	Total	M&I Service	Ag Service	M&I Service	Total	Ag Service	M&I Service	Total			
		(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)			
1	0.0%	1,021	37	6	319	70	1,424	135	1,558	423	16	2,127	2,140	1,445	3,100	4,536			
2	1.3%	1,016	36	6	310	70	1,176	135	1,279	417	15	2,114	2,130	1,194	3,091	4,133			
3	2.5%	994	36	6	308	70	1,142	135	1,259	393	14	2,013	2,025	1,161	2,928	4,022			
4	3.8%	993	35	6	298	70	1,085	135	1,219	384	14	1,983	1,997	1,105	2,916	3,960			
5	5.0%	993	34	5	293	67	1,015	128	1,150	382	13	1,970	1,982	1,033	2,864	3,814			
6	6.3%	992	33	5	284	65	1,014	124	1,148	375	13	1,915	1,927	1,032	2,783	3,799			
7	7.5%	990	32	5	279	63	980	121	1,096	361	12	1,915	1,926	997	2,745	3,711			
8	8.8%	989	32	5	279	61	969	117	1,094	357	12	1,854	1,865	985	2,679	3,669			
9	10.0%	989	32	5	270	61	966	117	1,072	354	12	1,836	1,848	983	2,673	3,642			
10	11.3%	989	31	5	264	61	933	117	1,056	350	12	1,819	1,833	949	2,638	3,640			
11	12.5%	989	31	5	261	61	911	117	1,032	345	12	1,747	1,758	928	2,621	3,604			
12	13.8%	988	31	5	261	60	910	114	1,018	338	11	1,742	1,754	925	2,554	3,573			
13	15.0%	987	30	5	260	58	907	111	1,010	326	11	1,710	1,720	923	2,500	3,477			
14	16.3%	987	30	5	257	57	879	109	995	319	11	1,686	1,700	894	2,448	3,334			
15	17.5%	987	30	5	255	57	879	109	995	319	11	1,658	1,669	894	2,437	3,314			
16	18.8%	987	29	5	255	56	862	107	976	317	11	1,645	1,656	877	2,416	3,280			
17	20.0%	987	29	4	250	55	819	105	928	314	10	1,590	1,600	834	2,332	3,249			
18	21.3%	986	29	4	249	54	819	103	927	312	10	1,585	1,595	834	2,310	3,206			
19	22.5%	986	28	4	247	54	809	103	917	312	10	1,576	1,587	824	2,295	3,156			
20	23.8%	986	27	4	241	53	794	100	900	309	10	1,572	1,581	809	2,283	3,090			
21	25.0%	986	27	4	233	52	751	100	851	309	9	1,569	1,581	765	2,281	3,067			
22	26.3%	985	27	4	233	52	744	99	842	306	9	1,550	1,559	757	2,280	3,003			
23	27.5%	985	27	4	232	52	744	99	842	304	9	1,545	1,555	757	2,255	2,985			
24	28.8%	985	27	4	232	52	743	99	841	300	9	1,542	1,551	756	2,241	2,958			
25	30.0%	984	26	4	230	51	740	98	838	300	9	1,532	1,541	753	2,223	2,947			
26	31.3%	984	26	4	227	51	739	98	837	300	9	1,503	1,512	752	2,204	2,932			
27	32.5%	984	26	4	226	51	737	98	835	297	9	1,495	1,503	750	2,171	2,920			
28	33.8%	984	26	4	225	50	721	96	817	297	9	1,494	1,503	734	2,170	2,897			
29	35.0%	983	26	4	225	50	717	95	812	297	9	1,493	1,501	730	2,167	2,870			
30	36.3%	983	25	4	221	49	708	94	802	297	9	1,493	1,501	721	2,163	2,869			
31	37.5%	983	25	4	221	49	699	93	792	292	9	1,477	1,486	711	2,163	2,853			
32	38.8%	983	25	4	220	48	696	92	788	292	9	1,466	1,474	709	2,133	2,850			
33	40.0%	983	25	4	219	48	693	92	785	292	9	1,458	1,466	706	2,121	2,846			
34	41.3%	983	25	4	217	48	692	92	784	290	9	1,450	1,458	705	2,116	2,840			
35	42.5%	983	24	4	214	48	686	91	777	287	9	1,446	1,455	698	2,114	2,830			
36	43.8%	983	24	4	213	47	679	90	769	287	9	1,438	1,447	691	2,112	2,803			
37	45.0%	983	24	4	212	47	674	90	764	285	8	1,438	1,445	687	2,098	2,788			
38	46.3%	983	24	4	210	47	671	89	760	283	8	1,432	1,441	683	2,093	2,787			
39	47.5%	983	24	4	209	46	667	89	756	282	8	1,430	1,439	679	2,088	2,775			
40	48.8%	983	24	4	208	46	661	88	749	281	8	1,422	1,431	673	2,066	2,720			
41	50.0%	983	24	4	208	46	660	88	747	281	8	1,404	1,412	672	2,053	2,714			
42	51.3%	983	24	4	204	46	655	87	742	280	8	1,396	1,403	667	2,021	2,682			
43	52.5%	983	23	4	203	45	643	85	728	277	8	1,387	1,397	654	2,006	2,674			
44	53.8%	983	23	4	198	44	633	84	715	275	8	1,372	1,379	644	2,003	2,658			
45	55.0%	983	23	4	198	44	632	83	711	274	8	1,365	1,372	643	1,983	2,634			
46	56.3%	983	22	3	198	43	627	82	707	272	8	1,354	1,362	639	1,969	2,620			
47	57.5%	983	22	3	194	43	616	82	698	269	8	1,353	1,360	627	1,967	2,600			
48	58.8%	983	22	3	194	42	616	80	697	266	8	1,347	1,355	627	1,961	2,565			
49	60.0%	983	22	3	193	41	605	79	685	266	8	1,343	1,351	616	1,961	2,551			
50	61.3%	983	22	3	191	41	597	79	676	264	7	1,334	1,343	607	1,941	2,543			
51	62.5%	983	22	3	188	41	595	78	674	261	7	1,333	1,341	606	1,939	2,536			
52	63.8%	983	21	3	188	41	590	78	669	261	7	1,325	1,332	601	1,912	2,525			
53	65.0%	983	21	3	186	41	590	78	668	260	7	1,311	1,318	601	1,909	2,521			
54	66.3%	983	20	3	184	41	588	78	666	260	7	1,310	1,317	598	1,905	2,510			
55	67.5%	982	20	3	182	39	584	75	662	260	7	1,308	1,314	595	1,900	2,496			
56	68.8%	982	20	3	181	39	557	74	631	260	7	1,306	1,314	567	1,894	2,461			
57	70.0%	982	20	3	180	39	554	74	627	259	7	1,303	1,310	564	1,883	2,461			
58	71.3%	982	20	3	176	38	553	73	627	259	7	1,270	1,277	563	1,855	2,446			
59	72.5%	982	19	3	176	38	545	72	617	259	7	1,260	1,267	555	1,840	2,441			
60	73.8%	982	19	3	167	37	541	71	603	254	7	1,257	1,263	550	1,817	2,426			
61	75.0%	982	18	3	163	36	533	69	595	252	7	1,253	1,260	542	1,802	2,327			
62	76.3%	982	18	3	163	36	531	68	592	240	7	1,252	1,260	540	1,796	2,313			
63	77.5%	982	18	3	162	35	522	67	584	227	7	1,137	1,143	532	1,657	2,199			
64	78.8%	982	18	3	155	35	516	66	583	218	6	1,120	1,126	525	1,606	2,105			
65	80.0%	982	17	3	154	34	507	65	575	213	6	1,063	1,069	517	1,547	2,055			
66	81.3%	982	17	3	151	34	498	64	565	207	6	1,035	1,041	507	1,512	2,006			
67	82.5%	981	17	3	149	34	490	64	555	206	6	1,032	1,038	499	1,502	1,995			
68	83.8%	971	17	3	144	34	485	64	549	206	6	1,030	1,036	494	1,494	1,985			
69	85.0%	967	15</																

Table WS-CVP-7a

Alternative C
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period ¹	63%	48%	86%	80%	97%	97%	97%
Water Year Types ²							
Wet (32%)	94%	77%	99%	93%	100%	100%	100%
Above Normal (15%)	90%	59%	98%	86%	100%	100%	100%
Below Normal (17%)	59%	39%	87%	76%	100%	100%	100%
Dry (22%)	41%	33%	78%	74%	99%	99%	99%
Critical (15%)	11%	9%	58%	58%	83%	85%	83%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period ¹	1,157	519	1,675	2,795	567
Water Year Types ²					
Wet (32%)	1,816	530	2,346	2,806	592
Above Normal (15%)	1,465	527	1,992	2,822	584
Below Normal (17%)	964	516	1,479	2,854	591
Dry (22%)	793	521	1,314	2,842	567
Critical (15%)	216	488	704	2,604	473

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period ¹	434	74	60
Water Year Types ²			
Wet (32%)	455	98	39
Above Normal (15%)	446	99	39
Below Normal (17%)	453	89	48
Dry (22%)	431	53	82
Critical (15%)	358	12	103

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-7a
Alternative C
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	222	213	1,942	293	16	852	36	291	606
Water Year Types²									
Wet (32%)	327	241	1,931	469	18	875	58	271	962
Above Normal (15%)	318	241	1,947	357	17	875	44	269	747
Below Normal (17%)	209	216	1,979	235	15	875	29	284	491
Dry (22%)	146	193	1,979	201	15	864	25	313	421
Critical (15%)	38	149	1,863	55	12	741	7	327	116

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	161	2	25	261	58	28	12	14	6
Water Year Types²									
Wet (32%)	174	2	26	269	78	11	12	19	2
Above Normal (15%)	165	2	26	269	77	11	12	19	2
Below Normal (17%)	172	2	26	269	70	18	12	17	4
Dry (22%)	154	1	26	265	42	45	12	10	11
Critical (15%)	124	0	23	224	9	64	10	2	16

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative C
6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
	Long-term
Full Simulation Period ¹	0
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-7b

**No Action Alternative
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period ¹	60%	48%	85%	79%	97%	97%	97%
Water Year Types ²							
Wet (32%)	93%	77%	99%	93%	100%	100%	100%
Above Normal (15%)	84%	58%	96%	84%	100%	100%	100%
Below Normal (17%)	55%	39%	84%	76%	100%	100%	100%
Dry (22%)	37%	31%	77%	73%	99%	99%	99%
Critical (15%)	10%	10%	58%	58%	83%	85%	83%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period ¹	1,138	516	1,654	2,786	562
Water Year Types ²					
Wet (32%)	1,820	530	2,350	2,801	587
Above Normal (15%)	1,423	521	1,944	2,817	577
Below Normal (17%)	952	509	1,461	2,849	583
Dry (22%)	732	518	1,250	2,835	564
Critical (15%)	224	486	711	2,578	465

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type**

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period ¹	428	0	134
Water Year Types ²			
Wet (32%)	450	0	137
Above Normal (15%)	440	0	137
Below Normal (17%)	445	0	137
Dry (22%)	429	0	136
Critical (15%)	350	0	115

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-7b
No Action Alternative
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	213	211	1,934	290	16	852	36	290	599
Water Year Types²									
Wet (32%)	323	241	1,927	470	18	875	58	271	968
Above Normal (15%)	297	238	1,942	353	17	875	43	266	730
Below Normal (17%)	197	210	1,974	235	15	875	29	284	491
Dry (22%)	131	192	1,971	188	14	864	23	312	390
Critical (15%)	36	148	1,837	60	11	741	7	327	122

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	155	0	27	261	0	86	12	0	20
Water Year Types²									
Wet (32%)	168	0	28	269	0	89	12	0	21
Above Normal (15%)	159	0	28	269	0	89	12	0	21
Below Normal (17%)	164	0	28	269	0	89	12	0	21
Dry (22%)	151	0	27	265	0	87	12	0	21
Critical (15%)	116	0	23	224	0	74	10	0	18

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
	Long-term
Full Simulation Period ¹	0
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-7c

Difference: Alternative C minus No Action Alternative
 1-Central Valley Project (CVP) Allocation
 Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period ¹	3%	0%	1%	0%	0%	0%	0%
Water Year Types ²							
Wet (32%)	1%	0%	0%	0%	0%	0%	0%
Above Normal (15%)	6%	1%	2%	1%	0%	0%	0%
Below Normal (17%)	3%	0%	3%	0%	0%	0%	0%
Dry (22%)	4%	2%	1%	0%	0%	0%	0%
Critical (15%)	0%	-1%	0%	0%	0%	0%	0%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative C minus No Action Alternative
 2-Central Valley Project (CVP) Contract Deliveries
 Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period ¹	19	3	22	9	6
Water Year Types ²					
Wet (32%)	-4	0	-4	5	5
Above Normal (15%)	42	6	48	5	6
Below Normal (17%)	12	6	18	5	8
Dry (22%)	61	3	64	7	3
Critical (15%)	-8	1	-7	26	8

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative C minus No Action Alternative
 3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
 Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period ¹	6	74	-74
Water Year Types ²			
Wet (32%)	5	98	-98
Above Normal (15%)	6	99	-99
Below Normal (17%)	8	89	-89
Dry (22%)	3	53	-53
Critical (15%)	8	12	-12

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-7c
 Difference: Alternative C minus No Action Alternative
 4-Central Valley Project (CVP) Contract Deliveries
 Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	10	2	9	2	0	0	0	1	6
Water Year Types²									
Wet (32%)	4	0	5	-1	0	0	0	0	-7
Above Normal (15%)	21	3	5	4	0	0	1	3	16
Below Normal (17%)	12	6	5	0	0	0	0	0	0
Dry (22%)	15	2	7	13	0	0	2	1	31
Critical (15%)	2	1	26	-4	0	0	0	0	-6

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative C minus No Action Alternative
 5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
 Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	6	2	-2	0	58	-58	0	14	-14
Water Year Types²									
Wet (32%)	5	2	-2	0	78	-78	0	19	-19
Above Normal (15%)	6	2	-2	0	77	-77	0	19	-19
Below Normal (17%)	8	2	-2	0	70	-70	0	17	-17
Dry (22%)	3	1	-1	0	42	-42	0	10	-10
Critical (15%)	8	0	0	0	9	-9	0	2	-2

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative C minus No Action Alternative

6-NODOS Local Deliveries
 Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
	Long-term
Full Simulation Period	0
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-7d

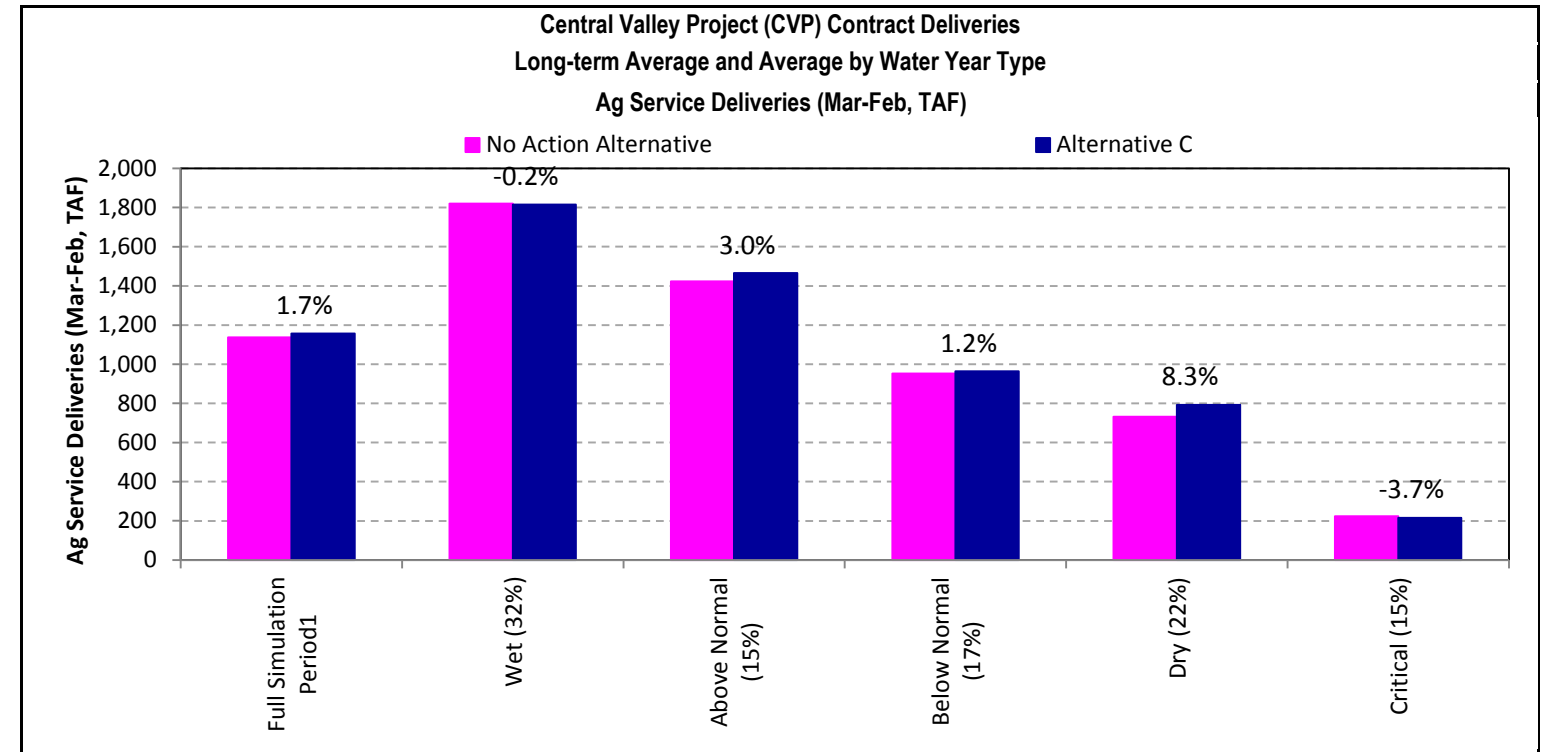
Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	SOD Ag Service Allocation (EO		Ag Service Deliveries (Mar-Feb, TAF)
	Ag Service Allocation (EO May)	May)	
Long-term			
Full Simulation Period¹			
No Action Alternative	60%	48%	1,138
Alternative C	63%	48%	1,157
Difference	3%	0%	19
Percent Difference ³			1.7%
Water Year Types²			
Wet (32%)			
No Action Alternative	93%	77%	1,820
Alternative C	94%	77%	1,816
Difference	1%	0%	-4
Percent Difference			-0.2%
Above Normal (15%)			
No Action Alternative	84%	58%	1,423
Alternative C	90%	59%	1,465
Difference	6%	1%	42
Percent Difference			3.0%
Below Normal (17%)			
No Action Alternative	55%	39%	952
Alternative C	59%	39%	964
Difference	3%	0%	12
Percent Difference			1.2%
Dry (22%)			
No Action Alternative	37%	31%	732
Alternative C	41%	33%	793
Difference	4%	2%	61
Percent Difference			8.3%
Critical (15%)			
No Action Alternative	10%	10%	224
Alternative C	11%	9%	216
Difference	0%	-1%	-8
Percent Difference			-3.7%

¹ Based on the 82-year simulation period

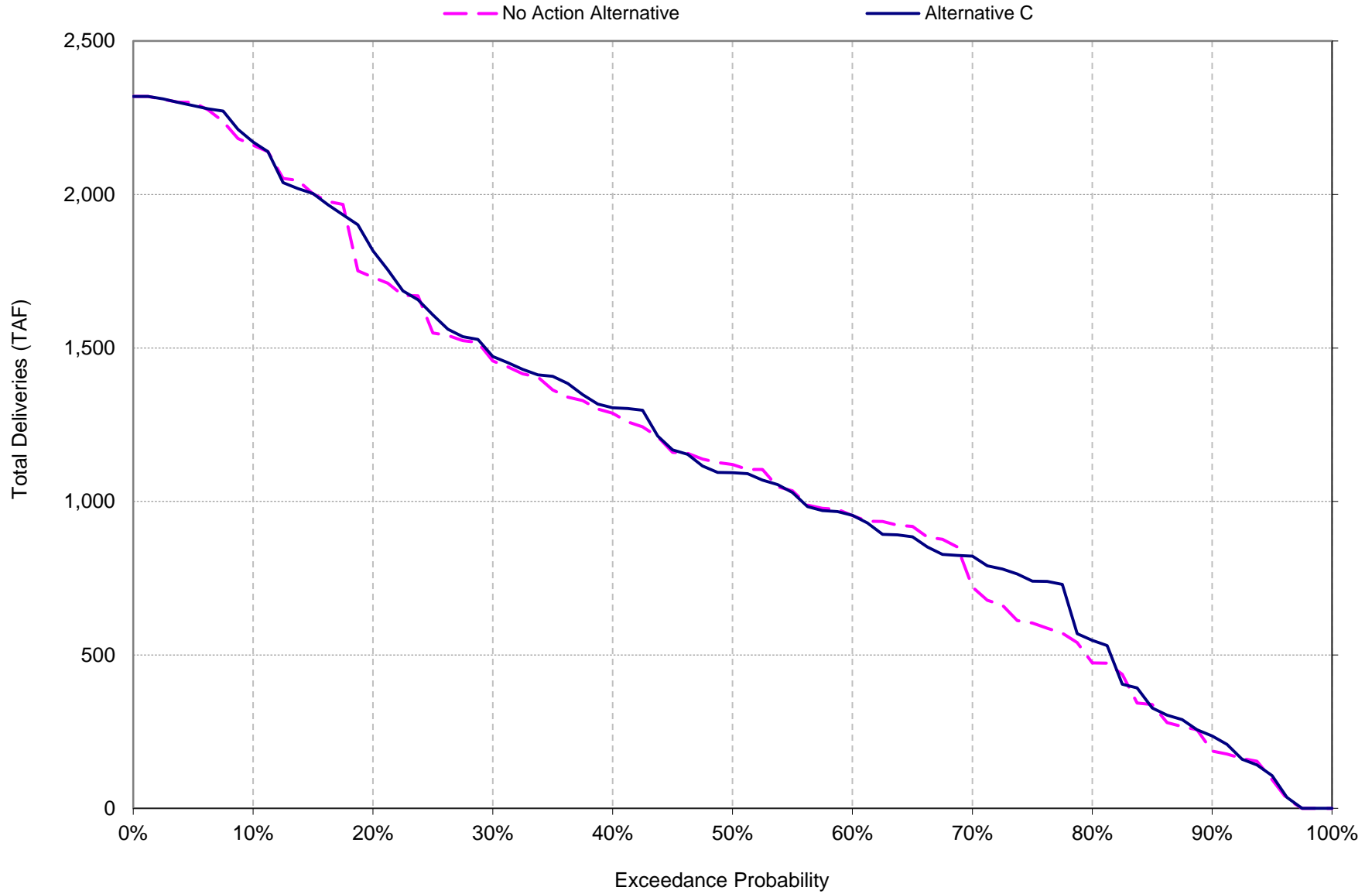
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-7e
Central Valley Project (CVP) Total Ag Service Contract Deliveries
Probability Exceedance Chart



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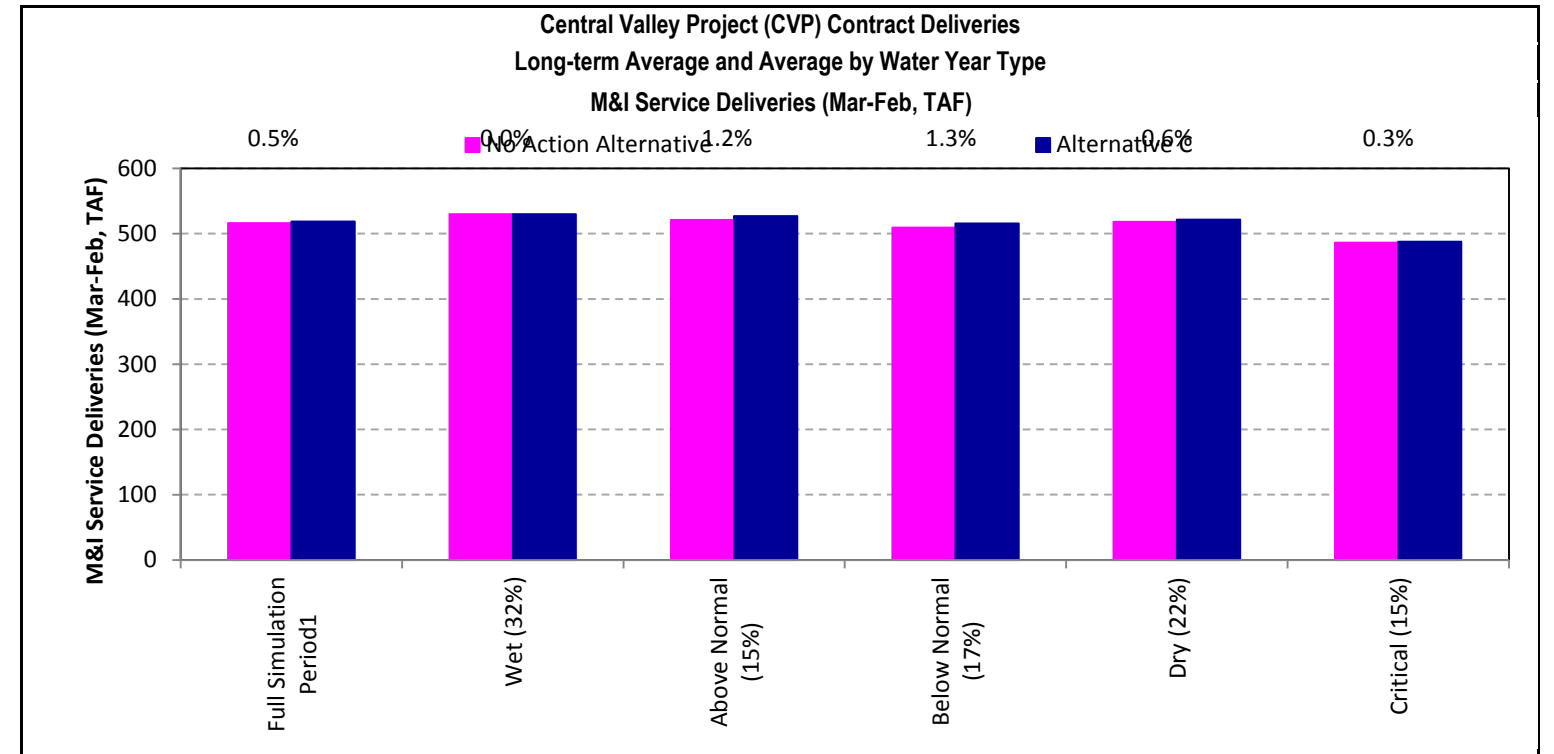
Table WS-CVP-7f

Central Valley Project (CVP) Contract Deliveries Long-term Average and Average by Water Year Type			
Analysis Period	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	M&I Service Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period¹			
No Action Alternative	85%	79%	516
Alternative C	86%	80%	519
Difference	1%	0%	3
Percent Difference ³			0.5%
Water Year Types²			
Wet (32%)			
No Action Alternative	99%	93%	530
Alternative C	99%	93%	530
Difference	0%	0%	0
Percent Difference			0.0%
Above Normal (15%)			
No Action Alternative	96%	84%	521
Alternative C	98%	86%	527
Difference	2%	1%	6
Percent Difference			1.2%
Below Normal (17%)			
No Action Alternative	84%	76%	509
Alternative C	87%	76%	516
Difference	3%	0%	6
Percent Difference			1.3%
Dry (22%)			
No Action Alternative	77%	73%	518
Alternative C	78%	74%	521
Difference	1%	0%	3
Percent Difference			0.6%
Critical (15%)			
No Action Alternative	58%	58%	486
Alternative C	58%	58%	488
Difference	0%	0%	1
Percent Difference			0.3%

¹ Based on the 82-year simulation period

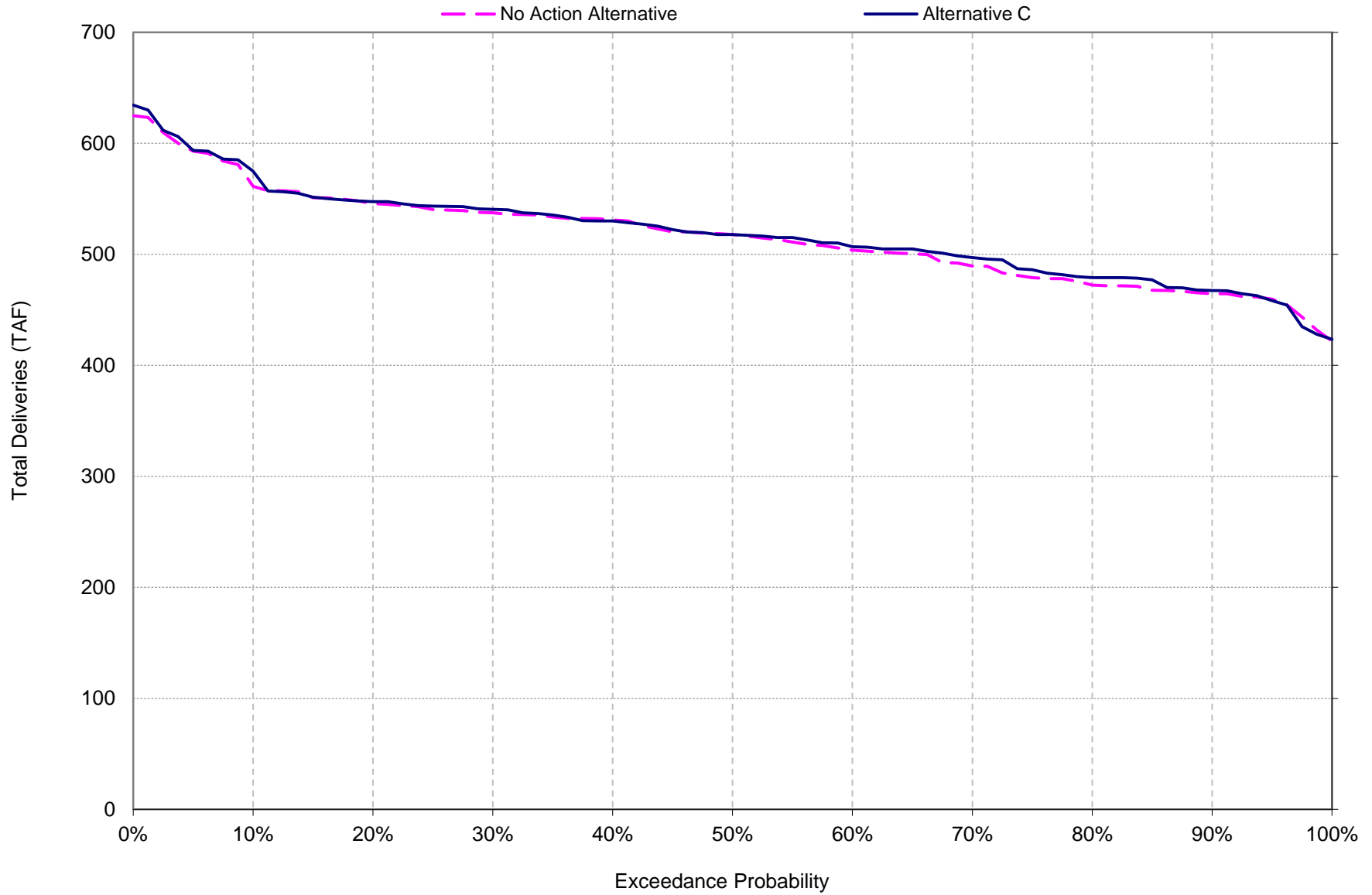
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-7g
Central Valley Project (CVP) Total M&I Service Contract Deliveries
Probability Exceedance Chart



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Table WS-CVP-7h

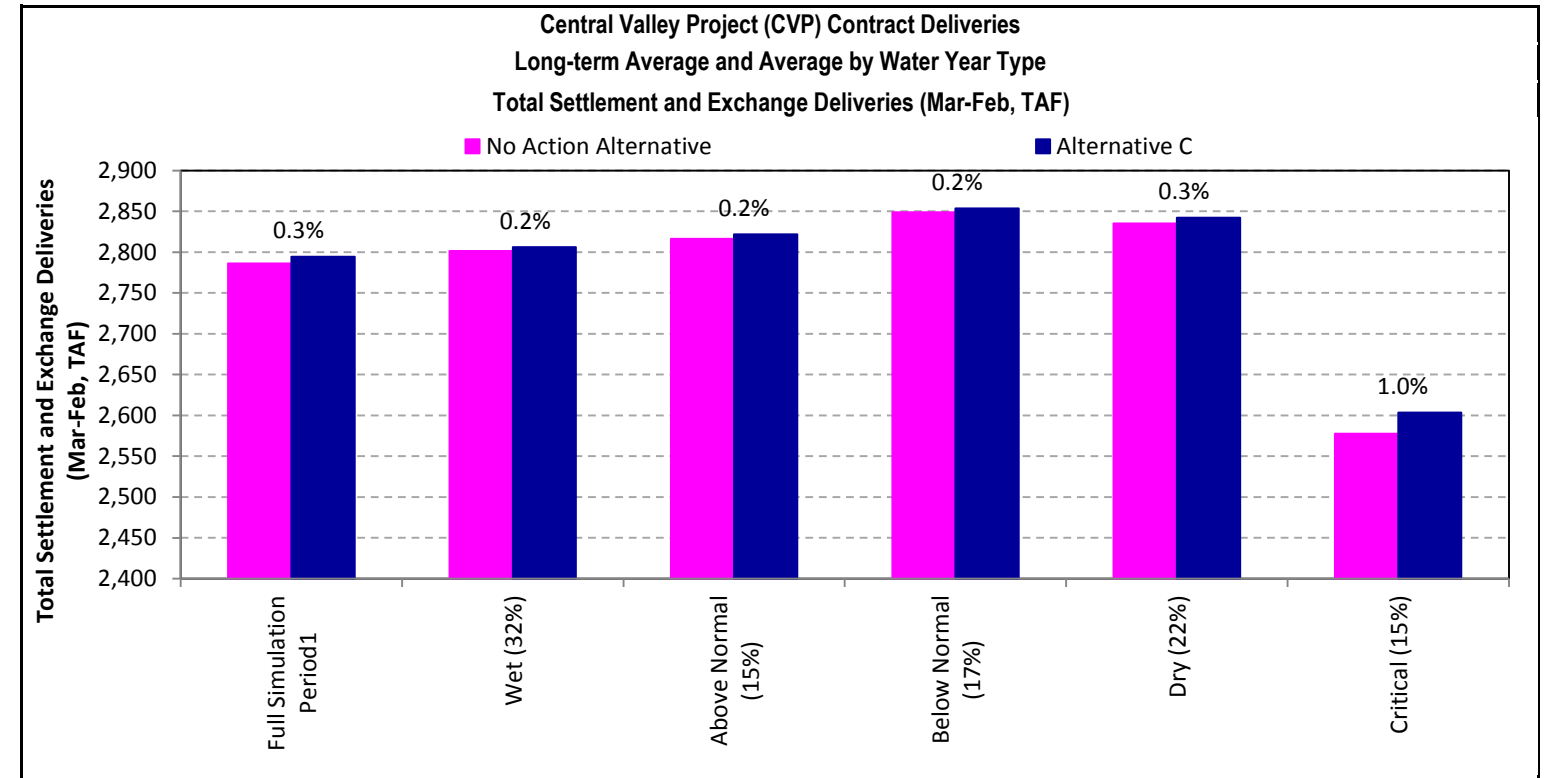
Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period¹			
No Action Alternative	97%	97%	2,786
Alternative C	97%	97%	2,795
Difference	0%	0%	9
Percent Difference ³			0.3%
Water Year Types²			
Wet (32%)			
No Action Alternative	100%	100%	2,801
Alternative C	100%	100%	2,806
Difference	0%	0%	5
Percent Difference			0.2%
Above Normal (15%)			
No Action Alternative	100%	100%	2,817
Alternative C	100%	100%	2,822
Difference	0%	0%	5
Percent Difference			0.2%
Below Normal (17%)			
No Action Alternative	100%	100%	2,849
Alternative C	100%	100%	2,854
Difference	0%	0%	5
Percent Difference			0.2%
Dry (22%)			
No Action Alternative	99%	99%	2,835
Alternative C	99%	99%	2,842
Difference	0%	0%	7
Percent Difference			0.3%
Critical (15%)			
No Action Alternative	83%	85%	2,578
Alternative C	83%	85%	2,604
Difference	0%	0%	26
Percent Difference			1.0%

¹ Based on the 82-year simulation period

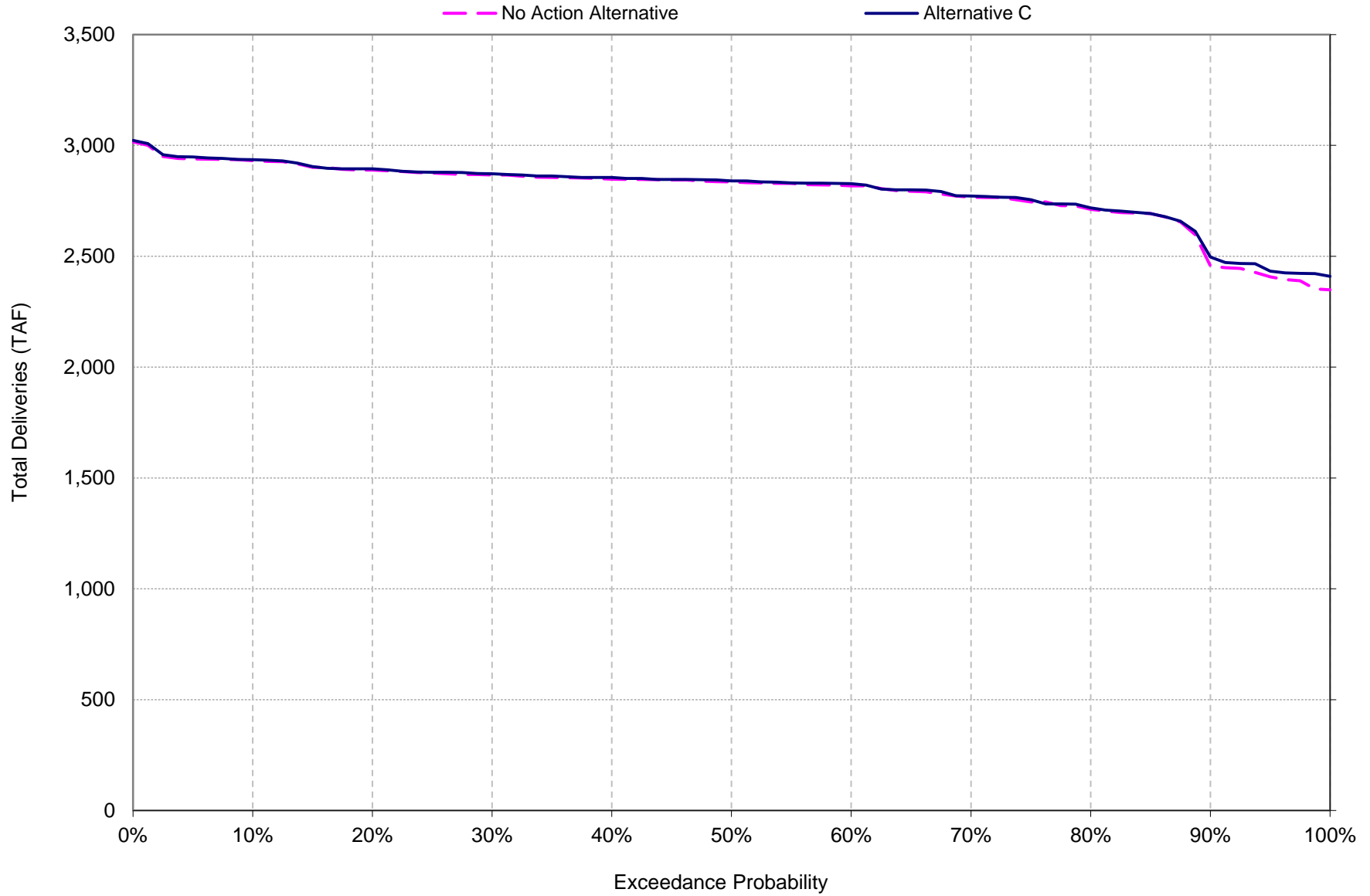
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-7i
Central Valley Project (CVP) Settlement and Exchange Contract Deliveries
Probability Exceedance Chart



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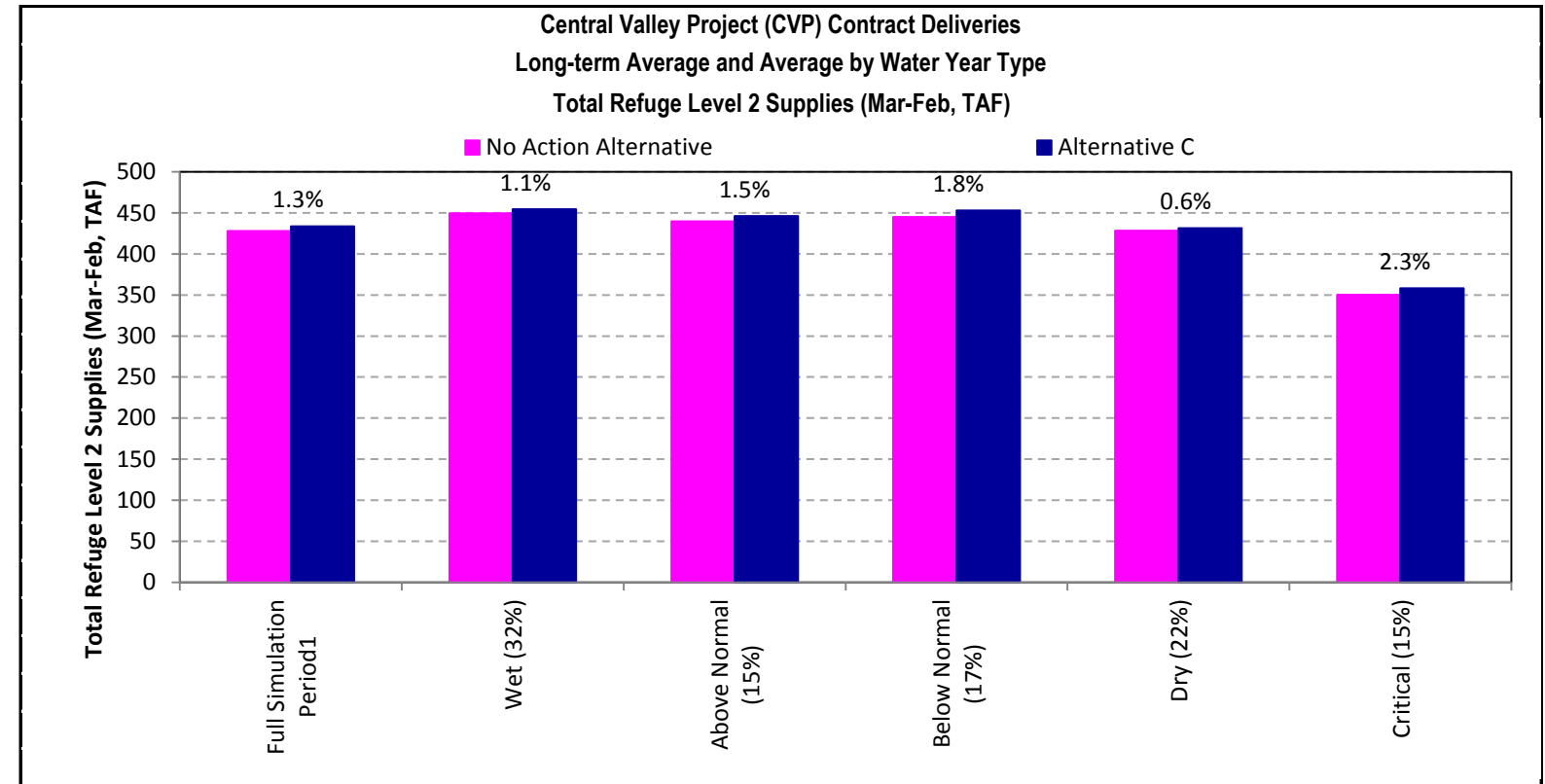
Table WS-CVP-7j

Central Valley Project (CVP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	Refuge Level 2 Contract Allocation (EO May)	Total Refuge Level 2 Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	97%	428
Alternative C	97%	434
Difference	0%	6
Percent Difference ³		1.3%
Water Year Types²		
Wet (32%)		
No Action Alternative	100%	450
Alternative C	100%	455
Difference	0%	5
Percent Difference		1.1%
Above Normal (15%)		
No Action Alternative	100%	440
Alternative C	100%	446
Difference	0%	6
Percent Difference		1.5%
Below Normal (17%)		
No Action Alternative	100%	445
Alternative C	100%	453
Difference	0%	8
Percent Difference		1.8%
Dry (22%)		
No Action Alternative	99%	429
Alternative C	99%	431
Difference	0%	3
Percent Difference		0.6%
Critical (15%)		
No Action Alternative	83%	350
Alternative C	83%	358
Difference	0%	8
Percent Difference		2.3%

¹ Based on the 82-year simulation period

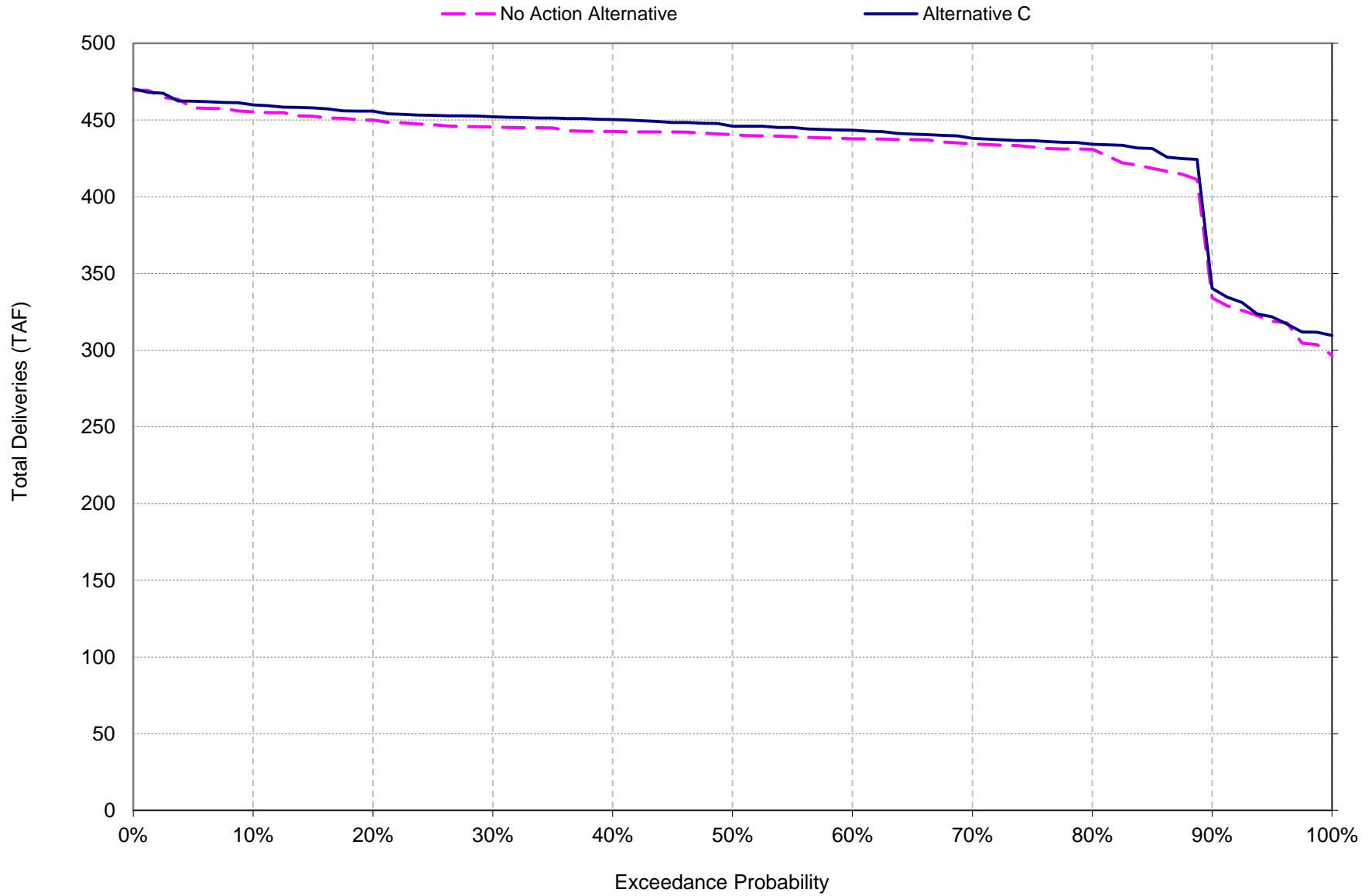
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-7k
Central Valley Project (CVP) Refuge Level 2 Supplies
Probability Exceedance Chart



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Table WS-CVP-7I

Alternative C

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index			Sacramento River Hydrologic Region						San Joaquin River Hydrologic Region						San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region							
				Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total
				(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
1922	2	AN	357	249	2,019	172	2	25	0	2,825	480	20	875	269	78	11	1,732	59	288	347	1,005	12	19	2	1,038	
1923	3	BN	240	219	2,003	167	3	25	0	2,657	258	15	875	269	78	11	1,505	32	261	293	540	12	19	2	574	
1924	5	C	22	147	1,794	113	0	21	0	2,097	37	11	674	202	0	66	990	5	328	332	78	9	0	16	103	
1925	4	D	204	197	1,862	162	0	28	0	2,453	338	16	875	269	0	89	1,587	43	282	325	712	12	0	21	745	
1926	4	D	47	170	1,880	156	0	28	0	2,280	80	13	875	269	0	89	1,325	10	345	354	167	12	0	21	201	
1927	1	W	357	245	1,976	156	2	26	0	2,762	364	17	875	269	75	14	1,613	45	260	305	762	12	19	2	796	
1928	2	AN	201	206	1,976	155	2	25	0	2,565	213	15	875	269	78	11	1,460	26	256	282	445	12	19	2	479	
1929	5	C	0	133	2,045	143	1	27	0	2,350	0	10	875	269	32	57	1,242	0	324	324	0	12	5	16	33	
1930	4	D	64	168	1,955	154	0	28	0	2,370	106	13	875	269	3	86	1,352	13	355	368	221	12	0	21	255	
1931	5	C	32	161	1,793	99	0	21	0	2,105	55	12	674	202	0	66	1,008	7	262	269	115	9	0	16	140	
1932	4	D	45	153	1,798	120	0	21	0	2,136	76	12	674	202	0	66	1,030	9	258	267	159	9	0	16	184	
1933	5	C	6	135	1,823	106	0	21	0	2,090	9	10	674	202	0	66	961	1	325	326	20	9	0	16	45	
1934	5	C	25	142	1,750	101	0	21	0	2,038	42	11	674	202	0	66	995	5	343	349	88	9	0	16	113	
1935	3	BN	55	170	1,895	170	0	28	0	2,318	84	13	875	269	0	89	1,329	11	245	256	178	12	0	21	211	
1936	3	BN	131	189	1,946	172	2	26	0	2,466	224	15	875	269	53	35	1,471	27	261	288	469	12	12	9	502	
1937	3	BN	125	205	1,956	189	2	26	0	2,503	207	15	875	269	75	14	1,454	26	259	285	432	12	19	2	466	
1938	1	W	357	240	1,954	179	2	26	0	2,758	610	20	875	269	78	11	1,862	75	280	355	1,278	12	19	2	1,311	
1939	4	D	125	187	2,148	151	1	27	0	2,639	199	15	875	269	43	46	1,446	25	383	407	415	12	10	11	448	
1940	2	AN	317	249	1,917	153	2	25	0	2,664	265	15	875	269	78	11	1,512	33	256	289	554	12	19	2	587	
1941	1	W	329	248	1,803	175	2	26	0	2,583	531	20	875	269	78	11	1,783	66	280	345	1,112	12	19	2	1,146	
1942	1	W	349	240	1,860	171	2	26	0	2,648	506	17	875	269	78	11	1,755	62	280	342	1,016	12	19	2	1,050	
1943	1	W	280	243	1,980	173	2	26	0	2,704	478	20	875	269	78	11	1,730	59	280	339	1,001	12	19	2	1,034	
1944	4	D	88	190	1,965	160	3	25	0	2,430	150	15	875	269	78	11	1,397	18	273	292	314	12	19	2	347	
1945	3	BN	233	223	1,923	175	2	26	0	2,582	373	17	875	269	78	11	1,622	46	275	321	778	12	19	2	812	
1946	3	BN	282	237	2,069	171	2	26	0	2,787	332	16	875	269	78	11	1,580	41	266	307	694	12	19	2	727	
1947	4	D	154	179	2,004	159	1	26	0	2,523	258	15	875	269	48	41	1,505	32	274	306	539	12	13	8	572	
1948	3	BN	266	226	1,737	172	2	25	0	2,429	175	15	875	269	78	11	1,421	22	257	280	365	12	19	2	398	
1949	4	D	232	216	1,992	157	2	26	0	2,625	306	15	875	269	78	11	1,553	38	275	314	637	12	19	2	671	
1950	3	BN	115	203	2,022	172	2	26	0	2,541	194	15	875	269	78	11	1,441	24	261	285	406	12	19	2	439	
1951	2	AN	347	247	1,987	164	2	26	0	2,772	377	17	875	269	78	11	1,627	46	271	318	791	12	19	2	824	
1952	1	W	357	246	1,960	180	2	26	0	2,771	608	20	875	269	78	11	1,860	75	280	355	1,272	12	19	2	1,305	
1953	1	W	353	238	1,965	169	2	25	0	2,752	229	15	875	269	78	11	1,476	28	248	276	480	12	19	2	513	
1954	2	AN	357	246	1,898	169	2	25	0	2,698	248	15	875	269	78	11	1,495	30	256	286	519	12	19	2	552	
1955	4	D	167	190	2,020	159	2	26	0	2,564	268	15	875	269	78	11	1,515	33	274	307	561	12	19	2	594	
1956	1	W	357	244	1,994	177	2	25	0	2,800	501	20	875	269	78	11	1,753	61	280	341	1,048	12	19	2	1,082	
1957	2	AN	242	232	1,972	167	2	26	0	2,641	152	15	875	269	78	11	1,399	18	255	274	318	12	19	2	351	
1958	1	W	336	243	1,843	181	2	26	0	2,631	604	20	875	269	78	11	1,856	75	280	354	1,265	12	19	2	1,298	
1959	3	BN	237	218	2,084	160	3	25	0	2,726	183	15	875	269	78	11	1,430	23	373	395	382	12	19	2	416	
1960	4	D	116	175	1,983	156	2	26	0	2,458	194	15	875	269	78	11	1,442	24	326	350	406	12	19	2	439	
1961	4	D	172	181	1,981	156	0	28	0	2,518	244	15	875	269	3	86	1,491	30	274	304	509	12	0	21	542	
1962	3	BN	273	247	2,008	168	1	27	0	2,724	255	15	875	269	75	14	1,503	31	373	404	534	12	19	2	568	
1963	1	W	341	243	1,834	170	2	26	0	2,615	304	15	875	269	78	11	1,551	37	248	285	635	12	19	2	669	
1964	4	D	139	194	2,074	154	2	25	0	2,588	237	13	875	269	78	11	1,482	29	327	356	489	12	19	2	522	
1965	1	W	261	240	1,952	164	2	26	0	2,645	435	17	875	269	78	11	1,684	55	274	329	856	12	19	2	890	
1966	3	BN	333	242	2,062	169	2	25	0	2,834	237	15	875	269	78	11	1,484	29	261	290	496	12	19	2	529	
1967	1	W	338	241	1,818	175	2	26	0	2,600	607	20	875	269	78	11	1,859	75	280	355	1,270	12	19	2	1,303	
1968	3	BN	229	224	1,955	176	2	25	0	2,611	184	15	875	269	78	11	1,432	23	355	377	386	12	19	2	419	
1969	1	W	357	248	2,004	181	2	25	0	2,818	610	20	875	269	78	11	1,862	75	280	355	1,278	12	19	2	1,311	
1970	1	W	242	230	2,016	162	2	25	0	2,677	376	17	875	269	78	11	1,626	46	263	309	788	12	19	2	821	
1971	1	W	325	242	2,066	165	1	26	0	2,825	188	15	875	269	78	11	1,435	23	248	271	394	12	19	2	427	
1972	3	BN	188	206	2,074	170	2	26	0	2,666	243	15	875	269	78	11	1,490	30	261	291	509	12	19	2	543	
1973	2	AN	352	252	1,972	172	2	26	0	2,776	328	16	875	269	78	11	1,576	40	261	301	687	12	19	2	720	
1974	1	W	353	243	1,925	180	2	25	0	2,729	524	17	875	269	78	11	1,774	64	280	344	1,078	12	19	2	1,111	
1975	1	W	357	240	1,997	177	2	25	0	2,799	356	15	875	269	78	11	1,603	44	258	302	715	12	19	2	749	
1976	5	C	36	152	2,133	163	3	25	0	2,512	62	12	875	269	78	11	1,306	8	346	354	130	12	19	2	163	
1977	5	C	17	123	1,748	101	0	21	0	2,009	28	11	674	202	0	66	981	3	333	337	59	9	0	16	84	
1978	2	AN	356	245	1,925	167	3	25	0	2,721	578	20	875	269	75	14	1,830	72	285	357	1,206	12	19	2	1,239	
1979	3	BN	223	221	1,969	178	3	25	0	2,6																

Table WS-CVP-7I

Alternative C

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region						San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region					
		Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
AVG:		222	213	1,942	161	2	25	0	2,564	293	16	852	261	58	28	1,508	36	291	327	606	12	14	6	638
MIN:		0	123	1,735	99	0	21	0	2,009	0	10	674	202	0	11	961	0	245	256	0	9	0	2	33
MAX:		357	256	2,148	189	3	28	0	2,847	610	20	875	269	78	89	1,862	75	395	427	1,278	12	19	21	1,311
DP:	29-34, 76-77 and 87-92	35	152	1,898	130	0	24	0	2,239	59	12	774	235	11	67	1,158	7	318	326	124	11	2	16	153
	W	327	241	1,931	174	2	26	0	2,701	469	18	875	269	78	11	1,719	58	271	329	962	12	19	2	995
	AN	318	241	1,947	165	2	26	0	2,699	357	17	875	269	77	11	1,606	44	269	313	747	12	19	2	780
	BN	209	216	1,979	172	2	26	0	2,604	235	15	875	269	70	18	1,482	29	284	313	491	12	17	4	524
	D	146	193	1,979	154	1	26	0	2,499	201	15	864	265	42	45	1,432	25	313	338	421	12	10	11	454
	C	38	149	1,863	124	0	23	0	2,197	55	12	741	224	9	64	1,105	7	327	334	116	10	2	16	144
Rank	Probability of Exceedence	357	256	2,148	189	3	28	0	2,847	610	20	875	269	78	89	1,862	75	395	427	1,278	12	19	21	1,311
1	0.0%	357	256	2,148	189	3	28	0	2,847	610	20	875	269	78	89	1,862	75	395	427	1,278	12	19	21	1,311
2	1.3%	357	252	2,133	187	3	28	0	2,834	610	20	875	269	78	89	1,862	75	386	411	1,278	12	19	21	1,311
3	2.5%	357	252	2,084	186	3	28	0	2,825	610	20	875	269	78	89	1,862	75	383	407	1,278	12	19	21	1,311
4	3.8%	357	250	2,074	181	3	28	0	2,825	609	20	875	269	78	89	1,861	75	373	404	1,272	12	19	21	1,305
5	5.0%	357	249	2,074	181	3	28	0	2,818	608	20	875	269	78	89	1,860	75	373	395	1,270	12	19	21	1,303
6	6.3%	357	249	2,069	181	3	28	0	2,800	608	20	875	269	78	86	1,860	75	369	395	1,265	12	19	21	1,298
7	7.5%	357	249	2,066	180	3	28	0	2,799	607	20	875	269	78	86	1,859	75	368	387	1,249	12	19	21	1,282
8	8.8%	357	249	2,062	180	3	28	0	2,787	604	20	875	269	78	86	1,856	75	355	377	1,206	12	19	21	1,239
9	10.0%	357	248	2,061	179	3	28	0	2,776	597	20	875	269	78	86	1,849	74	355	368	1,160	12	19	21	1,193
10	11.3%	356	248	2,058	178	2	27	0	2,772	578	20	875	269	78	86	1,830	72	346	357	1,144	12	19	16	1,178
11	12.5%	353	247	2,055	177	2	27	0	2,771	531	20	875	269	78	66	1,783	66	345	356	1,112	12	19	16	1,146
12	13.8%	353	247	2,045	177	2	27	0	2,763	527	20	875	269	78	66	1,779	65	343	355	1,103	12	19	16	1,137
13	15.0%	353	247	2,029	177	2	27	0	2,762	524	20	875	269	78	66	1,774	64	343	355	1,078	12	19	16	1,111
14	16.3%	352	247	2,022	176	2	27	0	2,758	506	20	875	269	78	66	1,755	62	333	355	1,048	12	19	16	1,082
15	17.5%	349	246	2,020	175	2	26	0	2,752	501	20	875	269	78	66	1,753	61	328	355	1,016	12	19	16	1,050
16	18.8%	347	246	2,019	175	2	26	0	2,748	482	19	875	269	78	66	1,732	59	327	355	1,005	12	19	16	1,038
17	20.0%	343	245	2,019	175	2	26	0	2,746	480	17	875	269	78	66	1,731	59	327	355	1,001	12	19	16	1,034
18	21.3%	341	245	2,016	173	2	26	0	2,729	478	17	875	269	78	66	1,730	59	326	355	931	12	19	16	965
19	22.5%	339	244	2,008	173	2	26	0	2,726	435	17	875	269	78	57	1,684	55	325	354	887	12	19	16	921
20	23.8%	338	244	2,005	172	2	26	0	2,724	426	17	875	269	78	54	1,676	53	324	354	856	12	19	16	890
21	25.0%	338	244	2,004	172	2	26	0	2,723	425	17	875	269	78	46	1,675	52	317	354	836	12	19	11	869
22	26.3%	336	243	2,004	172	2	26	0	2,721	378	17	875	269	78	41	1,627	46	316	354	791	12	19	9	824
23	27.5%	336	243	2,003	172	2	26	0	2,704	377	17	875	269	78	35	1,627	46	292	353	788	12	19	8	821
24	28.8%	333	243	1,998	172	2	26	0	2,698	376	17	875	269	78	16	1,626	46	288	352	778	12	19	6	812
25	30.0%	329	243	1,997	171	2	26	0	2,697	373	17	875	269	78	14	1,622	46	288	351	776	12	19	2	810
26	31.3%	328	242	1,994	171	2	26	0	2,677	364	17	875	269	78	14	1,613	45	285	350	762	12	19	2	796
27	32.5%	325	242	1,992	171	2	26	0	2,674	364	17	875	269	78	14	1,613	45	282	349	760	12	19	2	793
28	33.8%	320	241	1,988	170	2	26	0	2,666	356	16	875	269	78	14	1,603	44	280	347	715	12	19	2	749
29	35.0%	317	241	1,987	170	2	26	0	2,664	338	16	875	269	78	14	1,587	43	280	345	712	12	19	2	745
30	36.3%	312	240	1,983	170	2	26	0	2,657	336	16	875	269	78	11	1,584	42	280	344	702	12	19	2	735
31	37.5%	308	240	1,981	170	2	26	0	2,654	334	16	875	269	78	11	1,582	41	280	342	698	12	19	2	732
32	38.8%	282	240	1,980	170	2	26	0	2,648	332	16	875	269	78	11	1,580	41	280	341	694	12	19	2	727
33	40.0%	282	240	1,980	169	2	26	0	2,648	328	15	875	269	78	11	1,576	40	280	339	687	12	19	2	720
34	41.3%	280	238	1,976	169	2	26	0	2,645	306	15	875	269	78	11	1,553	38	280	339	637	12	19	2	671
35	42.5%	273	237	1,976	169	2	26	0	2,641	304	15	875	269	78	11	1,551	37	280	337	635	12	19	2	669
36	43.8%	266	232	1,972	168	2	26	0	2,639	295	15	875	269	78	11	1,542	36	280	333	617	12	19	2	650
37	45.0%	262	230	1,972	167	2	26	0	2,638	268	15	875	269	78	11	1,515	33	280	332	561	12	19	2	594
38	46.3%	261	229	1,972	167	2	26	0	2,632	267	15	875	269	78	11	1,514	33	280	329	559	12	19	2	582
39	47.5%	257	228	1,970	167	2	26	0	2,631	265	15	875	269	78	11	1,512	33	280	326	554	12	19	2	587
40	48.8%	257	227	1,969	167	2	26	0	2,626	261	15	875	269	78	11	1,505	32	280	325	547	12	19	2	574
41	50.0%	242	226	1,965	165	2	26	0	2,625	258	15	875	269	78	11	1,505	32	280	325	540	12	19	2	572
42	51.3%	242	224	1,965	165	2	26	0	2,619	258	15													

Table WS-CVP-7m

			Alternative C							Alternative C						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	1,901	557	2,458	2,894	453	99	38	100%	79%	100%	100%	100%	100%	100%
1923	3	BN	1,070	495	1,565	2,878	448	99	38	67%	42%	92%	75%	100%	100%	100%
1924	5	C	141	486	627	2,467	324	0	103	6%	6%	56%	56%	75%	77%	75%
1925	4	D	1,297	496	1,793	2,736	444	0	137	58%	58%	83%	83%	100%	100%	100%
1926	4	D	304	527	831	2,755	437	0	137	13%	13%	63%	63%	100%	100%	100%
1927	1	W	1,528	522	2,050	2,851	437	96	41	100%	60%	100%	85%	100%	100%	100%
1928	2	AN	885	477	1,362	2,851	436	99	38	56%	35%	81%	75%	100%	100%	100%
1929	5	C	0	467	467	2,920	424	38	100	0%	0%	50%	50%	100%	100%	100%
1930	4	D	405	537	941	2,830	435	3	134	18%	18%	68%	68%	100%	100%	100%
1931	5	C	208	435	643	2,466	310	0	103	9%	9%	59%	59%	75%	77%	75%
1932	4	D	289	423	713	2,471	331	0	103	12%	12%	62%	62%	75%	77%	75%
1933	5	C	36	470	506	2,497	317	0	103	2%	2%	52%	52%	75%	77%	75%
1934	5	C	160	497	657	2,423	312	0	103	7%	7%	57%	57%	75%	77%	75%
1935	3	BN	327	428	755	2,770	451	0	137	16%	16%	66%	66%	100%	100%	100%
1936	3	BN	852	464	1,316	2,821	453	67	71	37%	37%	75%	75%	100%	100%	100%
1937	3	BN	791	479	1,270	2,831	470	96	42	35%	35%	75%	75%	100%	100%	100%
1938	1	W	2,320	540	2,860	2,829	460	99	38	100%	100%	100%	100%	100%	100%	100%
1939	4	D	763	585	1,348	3,023	432	54	84	36%	33%	75%	75%	100%	100%	100%
1940	2	AN	1,168	520	1,688	2,792	434	99	38	89%	44%	100%	75%	100%	100%	100%
1941	1	W	2,039	547	2,586	2,678	456	99	39	100%	88%	100%	100%	100%	100%	100%
1942	1	W	1,934	538	2,471	2,735	452	99	39	100%	83%	100%	100%	100%	100%	100%
1943	1	W	1,817	543	2,360	2,855	454	99	38	78%	78%	100%	100%	100%	100%	100%
1944	4	D	570	479	1,048	2,839	441	99	38	25%	25%	75%	75%	100%	100%	100%
1945	3	BN	1,430	515	1,946	2,798	456	99	39	65%	62%	90%	87%	100%	100%	100%
1946	3	BN	1,348	520	1,868	2,944	452	99	39	79%	54%	100%	79%	100%	100%	100%
1947	4	D	984	468	1,451	2,878	440	62	75	43%	43%	75%	75%	100%	100%	100%
1948	3	BN	828	499	1,326	2,612	453	99	38	77%	30%	100%	75%	100%	100%	100%
1949	4	D	1,214	507	1,721	2,867	438	99	38	65%	51%	90%	76%	100%	100%	100%
1950	3	BN	740	479	1,218	2,897	453	99	39	32%	32%	75%	75%	100%	100%	100%
1951	2	AN	1,561	535	2,097	2,862	445	99	38	97%	62%	100%	87%	100%	100%	100%
1952	1	W	2,311	546	2,857	2,835	461	99	39	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,090	501	1,591	2,839	450	99	38	100%	38%	100%	75%	100%	100%	100%
1954	2	AN	1,154	517	1,671	2,773	450	99	38	100%	41%	100%	75%	100%	100%	100%
1955	4	D	1,029	479	1,508	2,894	441	99	38	47%	44%	75%	75%	100%	100%	100%
1956	1	W	1,967	544	2,511	2,869	458	99	38	100%	81%	100%	100%	100%	100%	100%
1957	2	AN	730	503	1,233	2,847	448	99	39	68%	24%	93%	74%	100%	100%	100%
1958	1	W	2,279	543	2,822	2,718	463	99	38	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	824	606	1,430	2,958	441	100	38	66%	30%	91%	75%	100%	100%	100%
1960	4	D	741	516	1,257	2,858	437	99	38	32%	32%	75%	75%	100%	100%	100%
1961	4	D	955	470	1,425	2,856	438	3	134	48%	41%	75%	75%	100%	100%	100%
1962	3	BN	1,094	634	1,728	2,883	449	95	42	76%	42%	100%	75%	100%	100%	100%
1963	1	W	1,317	506	1,824	2,708	451	99	38	100%	50%	100%	75%	100%	100%	100%
1964	4	D	893	533	1,427	2,948	436	99	38	39%	39%	75%	75%	100%	100%	100%
1965	1	W	1,608	530	2,138	2,827	445	99	39	76%	76%	100%	100%	100%	100%	100%
1966	3	BN	1,095	518	1,612	2,937	450	99	38	93%	39%	100%	75%	100%	100%	100%
1967	1	W	2,289	541	2,830	2,693	456	99	39	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	822	593	1,415	2,829	457	99	38	64%	30%	89%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,878	462	99	38	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,452	510	1,963	2,890	443	99	38	68%	62%	93%	87%	100%	100%	100%
1971	1	W	930	505	1,435	2,941	446	98	39	91%	31%	100%	75%	100%	100%	100%
1972	3	BN	970	482	1,452	2,949	451	99	38	53%	40%	78%	75%	100%	100%	100%
1973	2	AN	1,408	529	1,936	2,847	453	99	39	99%	54%	100%	79%	100%	100%	100%
1974	1	W	2,019	540	2,560	2,800	461	99	38	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,472	513	1,985	2,872	458	99	38	100%	58%	100%	83%	100%	100%	100%
1976	5	C	236	510	746	3,008	444	100	38	10%	10%	60%	60%	100%	100%	100%
1977	5	C	107	467	574	2,421	312	0	103	5%	5%	55%	55%	75%	77%	75%
1978	2	AN	2,212	550	2,762	2,800	448	96	41	100%	96%	100%	100%	100%	100%	100%
1979	3	BN	1,302	505	1,807	2,844	459	99	38	62%	56%	87%	81%	100%	100%	100%
1980	2	AN	2,003	555	2,558	2,845	451	99	38	86%	86%	100%	100%	100%	100%	100%
1981	4	D	967	630	1,597	2,803	442	98	39	73%	36%	98%	75%	100%	100%	100%
1982	1	W	2,171	552	2,723	2,704	462	98	39	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,698	468	98	39	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,537	530	2,067	2,935	454	99	39	94%	62%	100%	87%	100%	100%	100%
1985	4	D	1,115	518	1,633	2,873	443	99	38	72%	44%	97%	75%	100%	100%	100%
1986	1	W	1,384	483	1,867	2,862	452	99	38	60%	60%	85%	85%	100%	100%	100%
1987	4	D	530	575	1,105	2,904	425	41	96	24%	24%	74%	74%	100%	100%	100%
1988	5	C	0	458	458	2,880	426	3	134	0%	0%	50%	50%	100%	100%	100%
1989	4	D	548	463	1,011	2,855	431	0	137	25%	25%	75%	75%	100%	100%	100%
1990	5	C	0	454	454	2,894	434	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	515	771	2,426	335	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	392	480	872	2,409	322	0	103	17%	17%	67%	67%	75%	77%	75%
1993	2	AN	1,686	548	2,233	2,767	446	96	42	91%	71%	100%	96%	100%	100%	100%
1994	5	C	1,055	612	1,666	2,432	340	0	103	60%	42%	85%	75%	75%	77%	75%
1995	1	W	2,272	543	2,816	2,771	458	98	39	100%	99%	100%	100%	100%	100%	100%
1996	1	W	1,657	530	2,187	2,736	446	99	39	100%	70%	100%	95%	100%	100%	100%
1997	1	W	1,754	525	2,280	2,930	451	91	47	79%	79%	100%	100%	100%	100%	100%
1998	1	W	2,139	549	2,688	2,658	467	98	39	100%	100%	100%	100%	100%	100%	100%
1999	1	W	1,305	487	1,792	2,847	448	99	38	100%	49%	100%	75%	100%	100%	100%
2000	2	AN	1,413	505	1,918	2,766	444	99	38	100%	55%	100%	80%	100%	100%	100%
2001	4	D	780	593	1,373	2,834	434	99	38	34%	34%	75%	75%	100%	100%	100%
2002	4	D	891	586	1,477	2,933	440	3	134	72%	32%	97%	75%	100%	100%	100%

Table WS-CVP-7n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index			Sacramento River Hydrologic Region					San Joaquin River Hydrologic Region						San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region								
				Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total
				(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
1922	2	AN	357	249	2,025	161	0	28	0	2,821	527	20	875	269	0	89	1,779	65	288	353	1,103	12	0	21	1,136	
1923	3	BN	214	205	2,007	159	0	28	0	2,613	259	15	875	269	0	89	1,506	32	261	293	542	12	0	21	576	
1924	5	C	25	149	1,772	108	0	21	0	2,075	43	11	674	202	0	66	996	5	329	334	89	9	0	16	114	
1925	4	D	203	196	1,870	159	0	28	0	2,456	327	16	875	269	0	89	1,575	41	280	321	688	12	0	21	721	
1926	4	D	52	173	1,880	146	0	28	0	2,278	89	13	875	269	0	89	1,334	11	346	357	186	12	0	21	220	
1927	1	W	357	250	1,976	157	0	28	0	2,767	361	17	875	269	0	89	1,610	44	259	304	756	12	0	21	789	
1928	2	AN	174	194	1,954	151	0	28	0	2,501	232	15	875	269	0	89	1,479	29	256	285	484	12	0	21	518	
1929	5	C	0	133	2,041	134	0	28	0	2,336	0	10	875	269	0	89	1,242	0	324	324	0	12	0	21	33	
1930	4	D	42	156	1,943	153	0	28	0	2,322	70	12	875	269	0	89	1,314	9	348	356	145	12	0	21	179	
1931	5	C	29	159	1,774	86	0	21	0	2,069	49	12	674	202	0	66	1,002	6	261	267	103	9	0	16	128	
1932	4	D	43	152	1,753	123	0	21	0	2,093	74	12	674	202	0	66	1,028	9	257	266	154	9	0	16	179	
1933	5	C	5	132	1,783	112	0	21	0	2,052	8	10	674	202	0	66	960	1	325	326	17	9	0	16	42	
1934	5	C	27	144	1,675	93	0	21	0	1,959	47	12	674	202	0	66	1,000	6	344	350	98	9	0	16	123	
1935	3	BN	73	179	1,891	166	0	28	0	2,337	112	14	875	269	0	89	1,358	15	250	265	238	12	0	21	271	
1936	3	BN	152	189	1,942	175	0	28	0	2,486	260	15	875	269	0	89	1,507	32	261	293	544	12	0	21	578	
1937	3	BN	108	205	1,956	184	0	28	0	2,480	178	15	875	269	0	89	1,425	22	259	281	371	12	0	21	404	
1938	1	W	357	236	1,949	174	0	28	0	2,744	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311	
1939	4	D	88	187	2,141	150	0	28	0	2,593	150	15	875	269	0	89	1,398	19	382	401	315	12	0	21	348	
1940	2	AN	306	249	1,906	161	0	28	0	2,650	281	15	875	269	0	89	1,529	35	256	291	589	12	0	21	622	
1941	1	W	329	247	1,802	169	0	28	0	2,574	509	20	875	269	0	89	1,761	63	279	342	1,066	12	0	21	1,100	
1942	1	W	349	240	1,854	164	0	28	0	2,635	519	17	875	269	0	89	1,769	64	280	344	1,070	12	0	21	1,103	
1943	1	W	267	246	1,982	161	0	28	0	2,683	455	20	875	269	0	89	1,707	56	279	335	953	12	0	21	987	
1944	4	D	73	182	1,961	153	0	28	0	2,397	125	14	875	269	0	89	1,371	15	268	283	261	12	0	21	295	
1945	3	BN	180	195	1,918	174	0	28	0	2,495	304	15	875	269	0	89	1,551	38	261	299	635	12	0	21	668	
1946	3	BN	303	238	2,066	164	0	28	0	2,799	379	17	875	269	0	89	1,629	47	277	323	795	12	0	21	828	
1947	4	D	138	179	1,992	161	0	28	0	2,498	232	15	875	269	0	89	1,479	29	274	303	485	12	0	21	518	
1948	3	BN	294	229	1,722	161	0	28	0	2,434	212	15	875	269	0	89	1,459	27	258	285	441	12	0	21	475	
1949	4	D	232	217	1,992	150	0	28	0	2,618	333	16	875	269	0	89	1,582	42	281	322	695	12	0	21	728	
1950	3	BN	95	196	2,018	172	0	28	0	2,508	161	15	875	269	0	89	1,408	20	260	280	336	12	0	21	369	
1951	2	AN	328	247	1,970	157	0	28	0	2,730	379	17	875	269	0	89	1,629	47	272	318	795	12	0	21	828	
1952	1	W	357	240	1,957	174	0	28	0	2,756	607	20	875	269	0	89	1,859	75	280	355	1,271	12	0	21	1,304	
1953	1	W	352	238	1,964	157	0	28	0	2,738	251	15	875	269	0	89	1,498	31	248	279	526	12	0	21	559	
1954	2	AN	337	246	1,897	155	0	28	0	2,662	251	13	875	269	0	89	1,496	27	247	273	513	12	0	21	546	
1955	4	D	111	190	2,003	150	0	28	0	2,482	190	15	875	269	0	89	1,437	23	274	297	397	12	0	21	431	
1956	1	W	357	244	1,994	164	0	28	0	2,786	504	20	875	269	0	89	1,756	62	280	341	1,055	12	0	21	1,088	
1957	2	AN	241	232	1,972	156	0	28	0	2,629	198	15	875	269	0	89	1,445	24	256	280	414	12	0	21	447	
1958	1	W	336	243	1,837	176	0	28	0	2,620	603	20	875	269	0	89	1,855	75	280	354	1,263	12	0	21	1,296	
1959	3	BN	226	212	2,062	141	0	28	0	2,670	195	15	875	269	0	89	1,442	24	373	397	407	12	0	21	441	
1960	4	D	104	179	1,978	154	0	28	0	2,443	174	15	875	269	0	89	1,421	22	325	347	363	12	0	21	396	
1961	4	D	186	195	1,973	150	0	28	0	2,532	311	13	875	269	0	89	1,556	34	267	300	574	12	0	21	608	
1962	3	BN	238	237	2,014	158	0	28	0	2,675	217	15	875	269	0	89	1,464	27	373	399	453	12	0	21	487	
1963	1	W	341	243	1,829	164	0	28	0	2,604	341	16	875	269	0	89	1,590	42	255	297	714	12	0	21	748	
1964	4	D	90	194	2,063	165	0	28	0	2,540	154	15	875	269	0	89	1,401	19	327	346	323	12	0	21	357	
1965	1	W	260	240	1,947	162	0	28	0	2,637	437	17	875	269	0	89	1,686	55	274	328	918	12	0	21	951	
1966	3	BN	307	242	2,057	162	0	28	0	2,795	253	15	875	269	0	89	1,500	31	261	292	529	12	0	21	563	
1967	1	W	338	241	1,817	161	0	28	0	2,585	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311	
1968	3	BN	224	221	1,946	156	0	28	0	2,575	217	15	875	269	0	89	1,464	27	355	381	455	12	0	21	488	
1969	1	W	357	248	2,000	177	0	28	0	2,810	610	20	875	269	0	89	1,862	75	280	355	1,278	12	0	21	1,311	
1970	1	W	220	219	1,987	159	0	28	0	2,612	347	14	875	269	0	89	1,593	43	256	299	719	12	0	21	752	
1971	1	W	309	248	2,061	167	0	28	0	2,813	201	15	875	269	0	89	1,448	25	248	273	420	12	0	21	453	
1972	3	BN	172	202	2,075	156	0	28	0	2,633	251	15	875	269	0	89	1,498	31	261	292	525	12	0	21	558	
1973	2	AN	334	252	1,972	165	0	28	0	2,751	335	16	875	269	0	89	1,583	41	262	303	630	12	0	21	663	
1974	1	W	353	240	1,921	170	0	28	0	2,712	527	20	875	269	0	89	1,779	65	280	345	1,102	12	0	21	1,135	
1975	1	W	357	240	1,994	170	0	28	0	2,789	381	15	875	269	0	89	1,628	47	263	310	756	12	0	21	790	
1976	5	C	24	148	2,125	158	0	28	0	2,482	40	11	875	269	0	89	1,284	5	342	347	85	12	0	21	118	
1977	5	C	14	128	1,679	94	0	21	0	1,936	25	11	674	202	0	66	977	3	333	336	52	9	0	16	77	
1978	2	AN	356	245	1,931	159	0	28	0	2,718	569	20	875	269	0	89	1,821	71	285	356	1,187	12	0	21	1,220	
1979	3	BN	173	196	1,962	171	0	28	0	2,530	290	15	875	269	0	89	1,537	36	261	297	605	12	0	21	639	
1980	2	AN	270	243	1,970	166	0	28																		

Table WS-CVP-7o

			No Action Alternative							No Action Alternative						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	2,052	557	2,609	2,900	442	0	137	100%	86%	100%	100%	100%	100%	100%
1923	3	BN	1,047	481	1,529	2,882	440	0	137	60%	42%	85%	75%	100%	100%	100%
1924	5	C	162	489	652	2,445	319	0	103	7%	7%	57%	57%	75%	77%	75%
1925	4	D	1,259	492	1,751	2,745	440	0	137	58%	56%	83%	81%	100%	100%	100%
1926	4	D	339	532	871	2,755	427	0	137	15%	15%	65%	65%	100%	100%	100%
1927	1	W	1,518	526	2,044	2,851	438	0	137	100%	59%	100%	84%	100%	100%	100%
1928	2	AN	919	465	1,384	2,829	432	0	137	49%	38%	75%	75%	100%	100%	100%
1929	5	C	0	467	467	2,916	415	0	137	0%	0%	50%	50%	100%	100%	100%
1930	4	D	267	516	783	2,818	434	0	137	12%	12%	62%	62%	100%	100%	100%
1931	5	C	187	432	619	2,448	297	0	103	8%	8%	58%	58%	75%	77%	75%
1932	4	D	280	422	702	2,427	334	0	103	12%	12%	62%	62%	75%	77%	75%
1933	5	C	31	467	498	2,456	323	0	103	1%	1%	51%	51%	75%	77%	75%
1934	5	C	177	500	677	2,349	304	0	103	8%	8%	58%	58%	75%	77%	75%
1935	3	BN	437	444	881	2,765	447	0	137	21%	21%	71%	71%	100%	100%	100%
1936	3	BN	988	464	1,453	2,817	456	0	137	43%	43%	75%	75%	100%	100%	100%
1937	3	BN	678	478	1,157	2,831	465	0	137	30%	30%	75%	75%	100%	100%	100%
1938	1	W	2,320	536	2,856	2,823	455	0	137	100%	100%	100%	100%	100%	100%	100%
1939	4	D	571	584	1,155	3,016	431	0	137	25%	25%	75%	75%	100%	100%	100%
1940	2	AN	1,211	520	1,731	2,781	442	0	137	86%	47%	100%	75%	100%	100%	100%
1941	1	W	1,968	546	2,513	2,677	450	0	137	100%	84%	100%	100%	100%	100%	100%
1942	1	W	2,002	538	2,540	2,729	445	0	137	100%	85%	100%	100%	100%	100%	100%
1943	1	W	1,731	545	2,276	2,856	442	0	137	75%	75%	100%	100%	100%	100%	100%
1944	4	D	474	465	939	2,836	434	0	137	20%	20%	70%	70%	100%	100%	100%
1945	3	BN	1,157	472	1,628	2,793	455	0	137	50%	50%	75%	75%	100%	100%	100%
1946	3	BN	1,524	532	2,056	2,941	445	0	137	85%	62%	100%	87%	100%	100%	100%
1947	4	D	884	468	1,352	2,867	443	0	137	39%	39%	75%	75%	100%	100%	100%
1948	3	BN	974	502	1,476	2,597	442	0	137	85%	36%	100%	75%	100%	100%	100%
1949	4	D	1,302	513	1,815	2,867	431	0	137	65%	56%	90%	81%	100%	100%	100%
1950	3	BN	612	471	1,083	2,892	453	0	137	27%	27%	75%	75%	100%	100%	100%
1951	2	AN	1,549	536	2,085	2,845	438	0	137	92%	62%	100%	87%	100%	100%	100%
1952	1	W	2,310	540	2,850	2,832	455	0	137	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,160	501	1,660	2,839	438	0	137	100%	41%	100%	75%	100%	100%	100%
1954	2	AN	1,127	506	1,633	2,772	436	0	137	94%	41%	100%	75%	100%	100%	100%
1955	4	D	721	479	1,200	2,878	431	0	137	31%	31%	75%	75%	100%	100%	100%
1956	1	W	1,977	544	2,521	2,869	445	0	137	100%	82%	100%	100%	100%	100%	100%
1957	2	AN	877	503	1,380	2,847	437	0	137	68%	32%	93%	75%	100%	100%	100%
1958	1	W	2,276	543	2,819	2,712	457	0	137	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	852	600	1,452	2,937	422	0	137	63%	32%	88%	75%	100%	100%	100%
1960	4	D	662	519	1,181	2,853	435	0	137	29%	29%	75%	75%	100%	100%	100%
1961	4	D	1,104	476	1,580	2,847	431	0	137	52%	52%	77%	77%	100%	100%	100%
1962	3	BN	935	625	1,559	2,889	439	0	137	67%	36%	92%	75%	100%	100%	100%
1963	1	W	1,438	515	1,953	2,703	445	0	137	100%	56%	100%	81%	100%	100%	100%
1964	4	D	587	535	1,122	2,938	446	0	137	25%	25%	75%	75%	100%	100%	100%
1965	1	W	1,670	531	2,201	2,822	443	0	137	75%	75%	100%	100%	100%	100%	100%
1966	3	BN	1,120	518	1,638	2,932	443	0	137	86%	41%	100%	75%	100%	100%	100%
1967	1	W	2,301	540	2,841	2,692	442	0	137	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	922	591	1,513	2,821	437	0	137	63%	36%	88%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,875	458	0	137	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,329	489	1,818	2,861	440	0	137	62%	57%	87%	82%	100%	100%	100%
1971	1	W	954	511	1,465	2,936	448	0	137	87%	33%	100%	75%	100%	100%	100%
1972	3	BN	978	478	1,456	2,950	437	0	137	48%	41%	75%	75%	100%	100%	100%
1973	2	AN	1,340	530	1,870	2,847	446	0	137	94%	55%	100%	80%	100%	100%	100%
1974	1	W	2,046	539	2,585	2,796	451	0	137	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,541	519	2,059	2,869	451	0	137	100%	62%	100%	87%	100%	100%	100%
1976	5	C	154	501	655	3,000	439	0	137	7%	7%	57%	57%	100%	100%	100%
1977	5	C	94	472	566	2,353	305	0	103	4%	4%	54%	54%	75%	77%	75%
1978	2	AN	2,182	550	2,732	2,806	440	0	137	100%	95%	100%	100%	100%	100%	100%
1979	3	BN	1,104	472	1,576	2,837	452	0	137	48%	48%	75%	75%	100%	100%	100%
1980	2	AN	1,752	551	2,303	2,845	447	0	137	76%	76%	100%	100%	100%	100%	100%
1981	4	D	1,035	623	1,658	2,791	441	0	137	70%	40%	95%	75%	100%	100%	100%
1982	1	W	2,161	551	2,711	2,697	469	0	137	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,695	469	0	137	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,458	534	1,992	2,928	445	0	137	89%	62%	100%	87%	100%	100%	100%
1985	4	D	1,139	509	1,647	2,872	443	0	137	66%	46%	91%	75%	100%	100%	100%
1986	1	W	1,363	483	1,846	2,856	450	0	137	59%	59%	84%	84%	100%	100%	100%
1987	4	D	473	561	1,034	2,901	417	0	137	21%	21%	71%	71%	100%	100%	100%
1988	5	C	0	454	454	2,885	411	0	137	0%	0%	50%	50%	100%	100%	100%
1989	4	D	540	462	1,002	2,854	438	0	137	24%	24%	74%	74%	100%	100%	100%
1990	5	C	0	462	462	2,888	418	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	523	779	2,395	326	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	343	460	803	2,390	318	0	103	16%	16%	66%	66%	75%	77%	75%
1993	2	AN	1,243	504	1,747	2,766	441	0	137	64%	53%	89%	78%	100%	100%	100%
1994	5	C	1,287	610	1,897	2,408	329	0	103	59%	56%	84%	81%	75%	77%	75%
1995	1	W	2,238	538	2,776	2,765	458	0	137	100%	97%	100%	100%	100%	100%	100%
1996	1	W	1,711	532	2,244	2,728	446	0	137	100%	72%	100%	97%	100%	100%	100%
1997	1	W	1,671	520	2,192	2,927	449	0	137	72%	72%	97%	97%	100%	100%	100%
1998	1	W	2,139	557	2,697	2,654	464	0	137	100%	100%	100%	100%	100%	100%	100%
1999	1	W	1,415	493	1,908	2,844	433	0	137	100%	54%	100%	79%	100%	100%	100%
2000	2	AN	1,405	508	1,913	2,745	434	0	137	100%	55%	100%	80%	100%	100%	100%
2001	4	D	604	593	1,197	2,829	421	0	137	26%	26%	75%	75%	100%	100%	100%
2002	4	D	936	581	1,516	2,939	438	0	137	70%	35%	95%	75%	100%	100%	100%

Table WS-CVP-7o

No Action Alternative									No Action Alternative						
Central Valley Project (CVP) Contract Deliveries									Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,138	516	1,654	2,786	428	0	134	60%	48%	85%	79%	97%	97%	97%
MIN:		0	422	454	2,349	297	0	103	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	200	478	679	2,649	370	0	120	9%	9%	59%	59%	88%	88%	88%
AVG:	W	1,820	530	2,350	2,801	450	0	137	93%	77%	99%	93%	100%	100%	100%
	AN	1,423	521	1,944	2,817	440	0	137	84%	58%	96%	84%	100%	100%	100%
	BN	952	509	1,461	2,849	445	0	137	55%	39%	84%	76%	100%	100%	100%
	D	732	518	1,250	2,835	429	0	136	37%	31%	77%	73%	99%	99%	99%
	C	224	486	711	2,578	350	0	115	10%	10%	58%	58%	83%	85%	83%
Rank	Probability of Exceedence														
1	0.0%	2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	623	2,857	3,000	469	0	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,310	610	2,856	2,950	465	0	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	600	2,850	2,941	464	0	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,301	593	2,841	2,939	458	0	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,276	591	2,819	2,938	458	0	137	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,238	584	2,776	2,937	457	0	137	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,182	581	2,732	2,936	456	0	137	100%	100%	100%	100%	100%	100%	100%
9	10.0%	2,161	561	2,711	2,932	455	0	137	100%	97%	100%	100%	100%	100%	100%
10	11.3%	2,139	557	2,697	2,928	455	0	137	100%	95%	100%	100%	100%	100%	100%
11	12.5%	2,052	557	2,609	2,927	455	0	137	100%	86%	100%	100%	100%	100%	100%
12	13.8%	2,046	556	2,585	2,916	453	0	137	100%	86%	100%	100%	100%	100%	100%
13	15.0%	2,002	551	2,540	2,901	452	0	137	100%	85%	100%	100%	100%	100%	100%
14	16.3%	1,977	551	2,521	2,900	451	0	137	100%	84%	100%	100%	100%	100%	100%
15	17.5%	1,968	550	2,513	2,892	451	0	137	100%	82%	100%	100%	100%	100%	100%
16	18.8%	1,752	548	2,303	2,889	450	0	137	100%	76%	100%	100%	100%	100%	100%
17	20.0%	1,731	546	2,276	2,888	450	0	137	100%	75%	100%	100%	100%	100%	100%
18	21.3%	1,711	545	2,244	2,885	449	0	137	100%	75%	100%	100%	100%	100%	100%
19	22.5%	1,671	544	2,201	2,882	448	0	137	100%	72%	100%	97%	100%	100%	100%
20	23.8%	1,670	543	2,192	2,878	447	0	137	100%	72%	100%	97%	100%	100%	100%
21	25.0%	1,549	540	2,085	2,875	447	0	137	100%	62%	100%	87%	100%	100%	100%
22	26.3%	1,541	540	2,059	2,872	446	0	137	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,524	539	2,056	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
24	28.8%	1,518	538	2,044	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
25	30.0%	1,458	538	1,992	2,867	445	0	137	92%	59%	100%	84%	100%	100%	100%
26	31.3%	1,438	536	1,953	2,867	445	0	137	89%	59%	100%	84%	100%	100%	100%
27	32.5%	1,415	536	1,913	2,861	445	0	137	87%	57%	100%	82%	100%	100%	100%
28	33.8%	1,405	535	1,908	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
29	35.0%	1,363	534	1,897	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
30	36.3%	1,340	532	1,870	2,854	443	0	137	85%	56%	100%	81%	100%	100%	100%
31	37.5%	1,329	532	1,846	2,853	443	0	137	85%	56%	100%	81%	100%	100%	100%
32	38.8%	1,302	532	1,818	2,851	443	0	137	76%	55%	100%	80%	100%	100%	100%
33	40.0%	1,287	531	1,815	2,847	443	0	137	75%	55%	100%	80%	100%	100%	100%
34	41.3%	1,259	530	1,751	2,847	442	0	137	75%	54%	100%	79%	100%	100%	100%
35	42.5%	1,243	526	1,747	2,847	442	0	137	72%	53%	97%	78%	100%	100%	100%
36	43.8%	1,211	523	1,731	2,845	442	0	137	70%	52%	95%	77%	100%	100%	100%
37	45.0%	1,160	520	1,660	2,845	442	0	137	70%	50%	95%	75%	100%	100%	100%
38	46.3%	1,157	520	1,658	2,844	442	0	137	68%	48%	93%	75%	100%	100%	100%
39	47.5%	1,139	519	1,647	2,839	441	0	137	67%	47%	92%	75%	100%	100%	100%
40	48.8%	1,127	519	1,638	2,837	441	0	137	66%	46%	91%	75%	100%	100%	100%
41	50.0%	1,120	518	1,633	2,836	440	0	137	65%	43%	90%	75%	100%	100%	100%
42	51.3%	1,104	516	1,628	2,832	440	0	137	64%	42%	89%	75%	100%	100%	100%
43	52.5%	1,104	515	1,580	2,831	440	0	137	63%	41%	88%	75%	100%	100%	100%
44	53.8%	1,047	513	1,576	2,829	440	0	137	63%	41%	88%	75%	100%	100%	100%
45	55.0%	1,035	511	1,559	2,829	439	0	137	62%	41%	87%	75%	100%	100%	100%
46	56.3%	988	509	1,529	2,823	439	0	137	60%	41%	85%	75%	100%	100%	100%
47	57.5%	978	508	1,516	2,822	438	0	137	59%	40%	84%	75%	100%	100%	100%
48	58.8%	974	506	1,513	2,821	438	0	137	59%	39%	84%	75%	100%	100%	100%
49	60.0%	954	504	1,476	2,818	438	0	137	58%	38%	83%	75%	100%	100%	100%
50	61.3%	936	503	1,465	2,817	438	0	137	52%	36%	77%	75%	100%	100%	100%
51	62.5%	935	502	1,456	2,806	438	0	137	50%	36%	75%	75%	100%	100%	100%
52	63.8%	922	501	1,453	2,796	437	0	137	49%	36%	75%	75%	100%	100%	100%
53	65.0%	919	501	1,452	2,793	437	0	137	48%	35%	75%	75%	100%	100%	100%
54	66.3%	884	500	1,384	2,791	437	0	137	48%	33%	75%	75%	100%	100%	100%
55	67.5%	877	493	1,380	2,781	436	0	137	43%	32%	75%	75%	100%	100%	100%
56	68.8%	852	492	1,352	2,772	435	0	137	39%	32%	75%	75%	100%	100%	100%
57	70.0%	721	489	1,200	2,766	434	0	137	31%	31%	75%	75%	100%	100%	100%
58	71.3%	678	489	1,197	2,765	434	0	137	30%	30%	75%	75%	100%	100%	100%
59	72.5%	662	483	1,181	2,765	434	0	137	29%	29%	75%	75%	100%	100%	100%
60	73.8%	612	481	1,157	2,755	433	0	137	27%	27%	75%	75%	100%	100%	100%
61	75.0%	604	479	1,155	2,745	432	0	137	26%	26%	75%	75%	100%	100%	100%
62	76.3%	587	478	1,122	2,745	431	0	137	25%	25%	75%	75%	100%	100%	100%
63	77.5%	571	478	1,083	2,729	431	0	137	25%	25%	75%	75%	100%	100%	100%
64	78.8%	540	476	1,034	2,728	431	0	137	24%	24%	74%	74%	100%	100%	100%
65	80.0%	474	472	1,002	2,712	431	0	137	21%	21%	71%	71%	100%	100%	100%
66	81.3%	473	472	939	2,703	427	0	137	21%	21%	71%	71%	100%	100%	100%
67	82.5%	437	472	881	2,697	422	0	137	20%	20%	70%	70%	100%	100%	100%
68	83.8%	343	471	871	2,695	421	0	137	16%	16%	66%	66%	100%	100%	100%
69	85.0%	339	468	803	2,692	418	0	137	15%	15%	65%	65%	100%	100%	100%
70	86.3%	280	467	783	2,677	417	0	137							

Alternative D Compared to No Action Alternative

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Table WS-SWP-9a

Alternative D
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period ¹	65%	65%	96%
Water Year Types²			
Wet (32%)	81%	81%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	65%	65%	100%
Dry (22%)	59%	59%	100%
Critical (15%)	36%	36%	75%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	2,610	93	49
Water Year Types²			
Wet (32%)	3,189	132	90
Above Normal (15%)	2,744	52	58
Below Normal (17%)	2,633	127	30
Dry (22%)	2,416	66	18
Critical (15%)	1,500	46	22

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	697	2,056	2,753
Water Year Types²			
Wet (32%)	893	2,518	3,411
Above Normal (15%)	739	2,115	2,854
Below Normal (17%)	685	2,106	2,791
Dry (22%)	611	1,890	2,501
Critical (15%)	380	1,188	1,568

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period ¹	951
Water Year Types²	
Wet (32%)	975
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	783

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period ¹	24	4	207	46	685	88	279	9	1,412
Water Year Types²									
Wet (32%)	30	5	257	57	877	109	339	11	1,726
Above Normal (15%)	26	4	220	49	726	93	280	9	1,448
Below Normal (17%)	24	4	211	46	673	88	289	8	1,448
Dry (22%)	21	3	184	41	600	79	261	8	1,303
Critical (15%)	13	2	117	25	374	49	165	5	819

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-9b

**No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period ¹	62%	62%	96%
Water Year Types²			
Wet (32%)	80%	80%	100%
Above Normal (15%)	69%	69%	100%
Below Normal (17%)	64%	64%	100%
Dry (22%)	54%	54%	100%
Critical (15%)	30%	30%	75%

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type**

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	2,496	91	51
Water Year Types²			
Wet (32%)	3,132	124	81
Above Normal (15%)	2,730	67	44
Below Normal (17%)	2,593	120	45
Dry (22%)	2,202	62	32
Critical (15%)	1,234	52	30

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	670	1,969	2,639
Water Year Types²			
Wet (32%)	873	2,466	3,338
Above Normal (15%)	727	2,113	2,840
Below Normal (17%)	681	2,078	2,758
Dry (22%)	568	1,727	2,296
Critical (15%)	318	998	1,316

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period ¹	950
Water Year Types²	
Wet (32%)	976
Above Normal (15%)	983
Below Normal (17%)	981
Dry (22%)	986
Critical (15%)	772

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region	
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)
Long-term									
Full Simulation Period ¹	23	4	199	44	658	84	267	8	1,353
Water Year Types²									
Wet (32%)	29	5	252	56	858	108	331	11	1,689
Above Normal (15%)	25	4	218	48	714	93	282	9	1,447
Below Normal (17%)	23	4	207	45	669	86	284	8	1,432
Dry (22%)	19	3	172	38	558	73	236	7	1,190
Critical (15%)	11	2	97	21	312	40	138	4	692

¹ Based on the 82-year simulation period
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative
1-State Water Project (SWP) Allocations
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Table A Allocation (EO May)	M&I Service Table A Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)
Long-term			
Full Simulation Period ¹	3%	3%	0%
Water Year Types²			
Wet (32%)	1%	1%	0%
Above Normal (15%)	0%	0%	0%
Below Normal (17%)	1%	1%	0%
Dry (22%)	5%	5%	0%
Critical (15%)	6%	6%	0%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative
3-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	28	86	114
Water Year Types²			
Wet (32%)	20	53	73
Above Normal (15%)	12	2	14
Below Normal (17%)	4	29	32
Dry (22%)	43	162	205
Critical (15%)	63	190	253

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-9c

Difference: Alternative D minus No Action Alternative
2-State Water Project (SWP) Delivery Operations
Long-term Average and Average by Water Year Type

Analysis Period	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Long-term			
Full Simulation Period ¹	114	2	-2
Water Year Types²			
Wet (32%)	56	8	9
Above Normal (15%)	14	-15	15
Below Normal (17%)	40	7	-15
Dry (22%)	214	4	-13
Critical (15%)	266	-6	-8

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative
4-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	FRSA Settlement (Jan-Dec, TAF)
Long-term	
Full Simulation Period ¹	1
Water Year Types²	
Wet (32%)	-1
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	11

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative
5-State Water Project (SWP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region	San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region		South Lahonton Hydrologic Region	South Coast Hydrologic Region		
	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	
Long-term										
Full Simulation Period ¹	1	0	9	2	27	4	12	0	59	
Water Year Types²										
Wet (32%)	1	0	5	1	20	2	8	0	37	
Above Normal (15%)	0	0	2	0	12	1	-2	0	1	
Below Normal (17%)	1	0	4	1	4	2	5	0	16	
Dry (22%)	2	0	13	3	42	6	25	1	113	
Critical (15%)	2	0	20	5	62	9	27	1	127	

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-SWP-9d

State Water Project (SWP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	Ag Service Table A Allocation (EO May)	Ag Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	62%	670
Alternative D	65%	697
Difference	3%	28
Percent Difference ³		4.1%
Water Year Types²		
Wet (32%)		
No Action Alternative	80%	873
Alternative D	81%	893
Difference	1%	20
Percent Difference		2.3%
Above Normal (15%)		
No Action Alternative	69%	727
Alternative D	69%	739
Difference	0%	12
Percent Difference		1.6%
Below Normal (17%)		
No Action Alternative	64%	681
Alternative D	65%	685
Difference	1%	4
Percent Difference		0.6%
Dry (22%)		
No Action Alternative	54%	568
Alternative D	59%	611
Difference	5%	43
Percent Difference		7.5%
Critical (15%)		
No Action Alternative	30%	318
Alternative D	36%	380
Difference	6%	63
Percent Difference		19.7%

1 Based on the 82-year simulation period

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

3 Relative difference of the monthly average

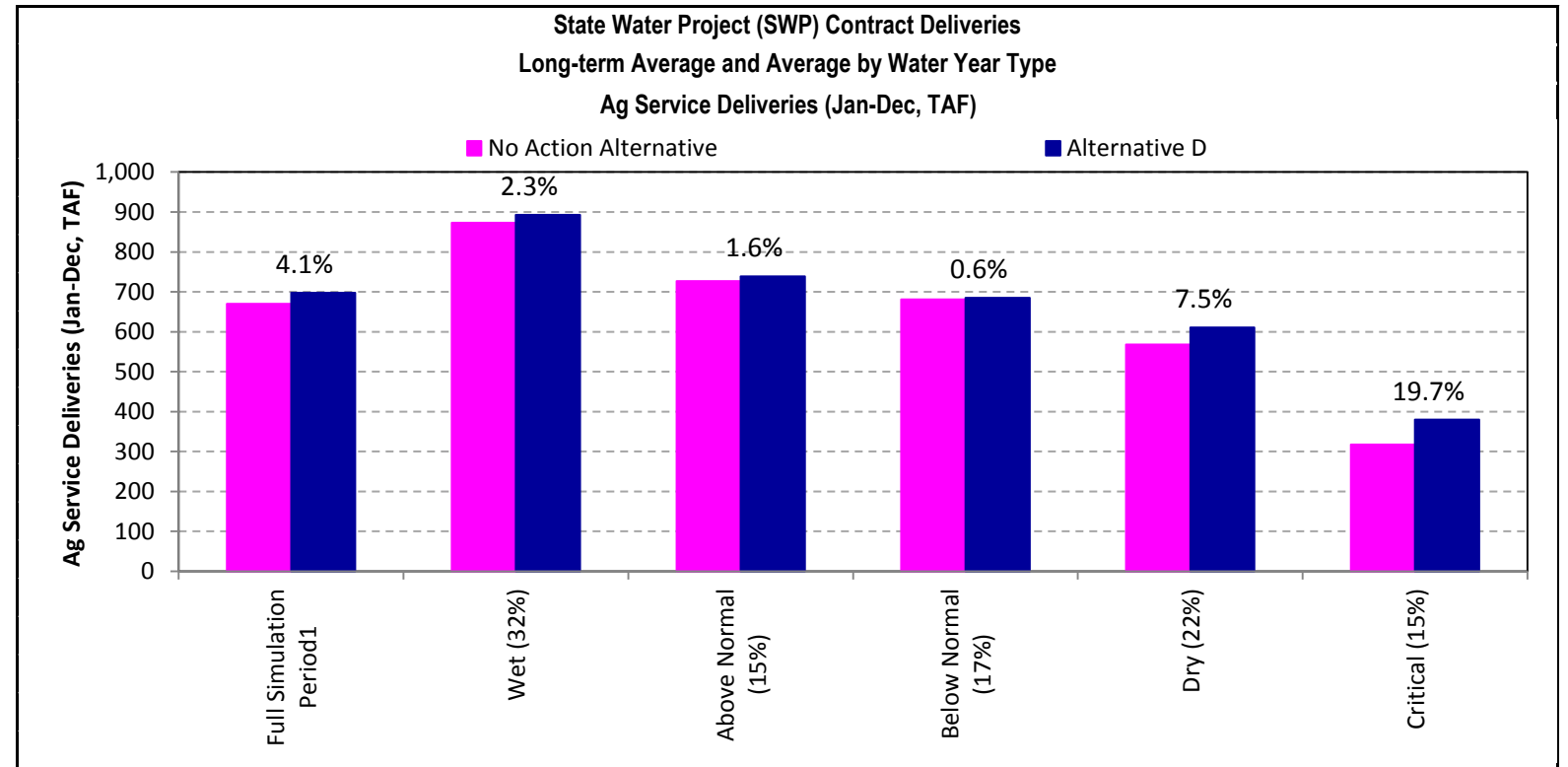
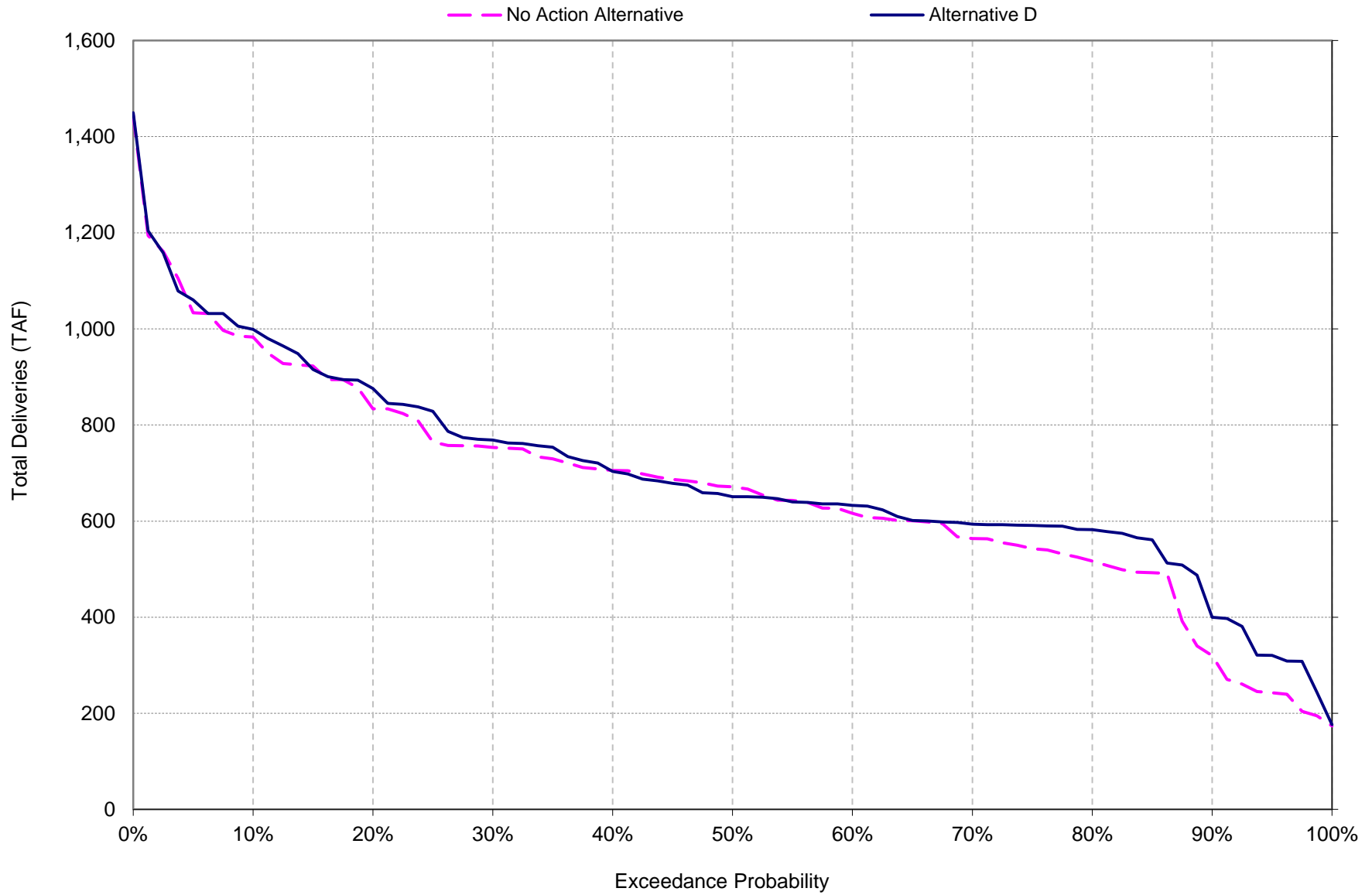


Figure WS-CVP-9e
State Water Project (SWP) Total Ag Service Contract Deliveries
Probability Exceedance Chart



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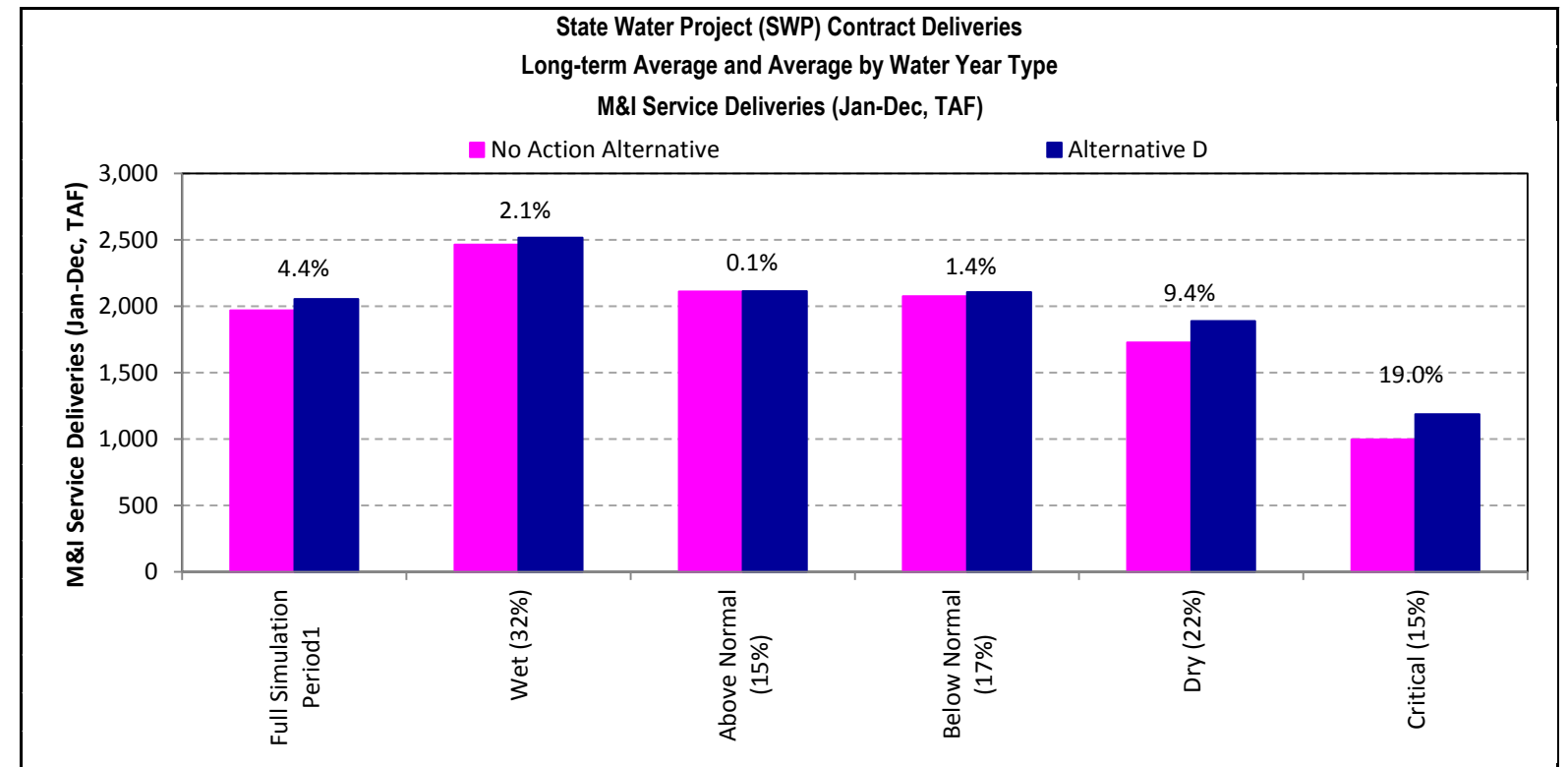
Table WS-SWP-9f

State Water Project (SWP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	M&I Service Table A Allocation (EO May)	M&I Service Deliveries (Jan-Dec, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	62%	1,969
Alternative D	65%	2,056
Difference	3%	86
Percent Difference ³		4.4%
Water Year Types²		
Wet (32%)		
No Action Alternative	80%	2,466
Alternative D	81%	2,518
Difference	1%	53
Percent Difference		2.1%
Above Normal (15%)		
No Action Alternative	69%	2,113
Alternative D	69%	2,115
Difference	0%	2
Percent Difference		0.1%
Below Normal (17%)		
No Action Alternative	64%	2,078
Alternative D	65%	2,106
Difference	1%	29
Percent Difference		1.4%
Dry (22%)		
No Action Alternative	54%	1,727
Alternative D	59%	1,890
Difference	5%	162
Percent Difference		9.4%
Critical (15%)		
No Action Alternative	30%	998
Alternative D	36%	1,188
Difference	6%	190
Percent Difference		19.0%

¹ Based on the 82-year simulation period

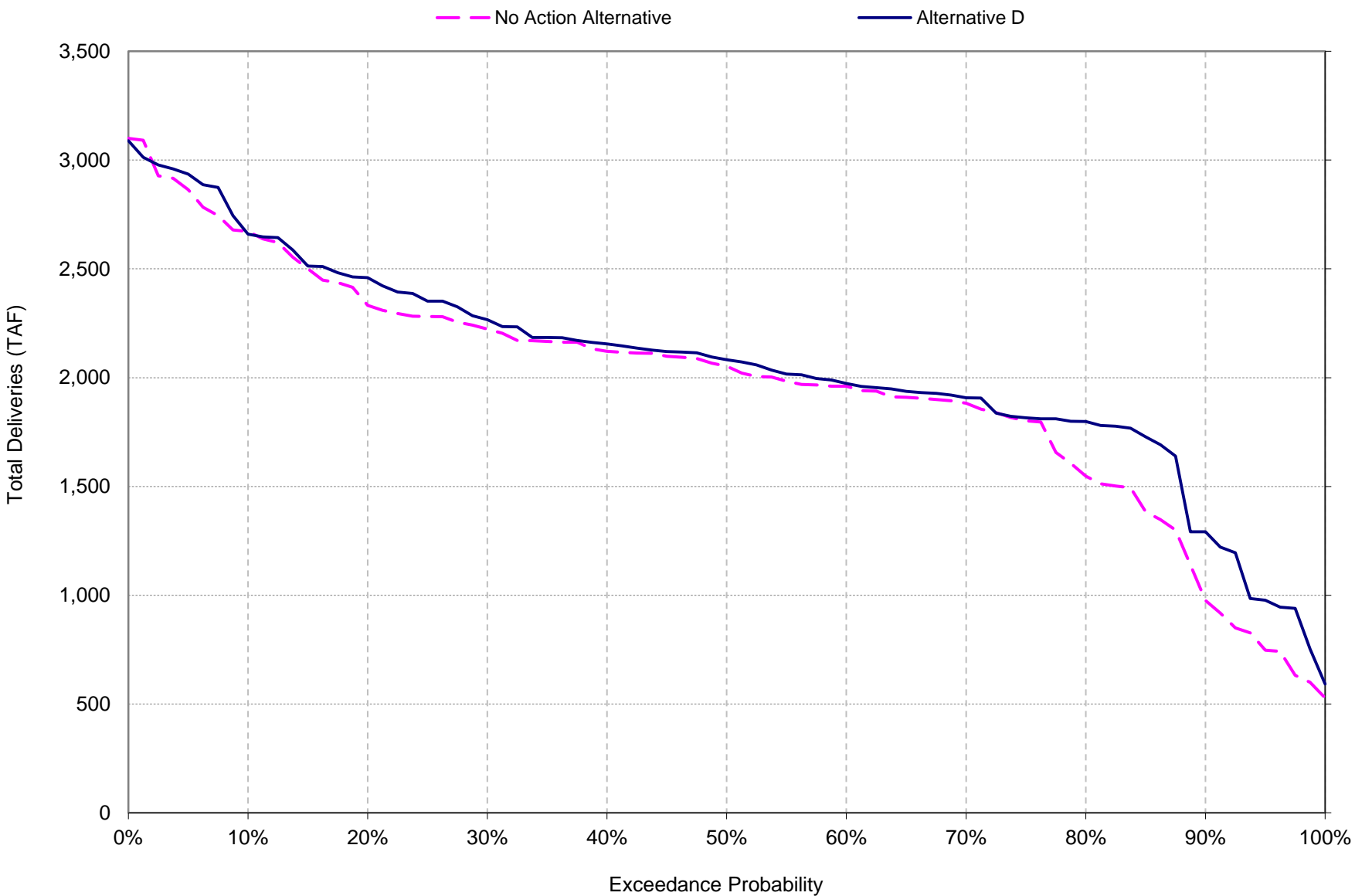
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-9g
State Water Project (SWP) Total M&I Service Contract Deliveries
Probability Exceedance Chart



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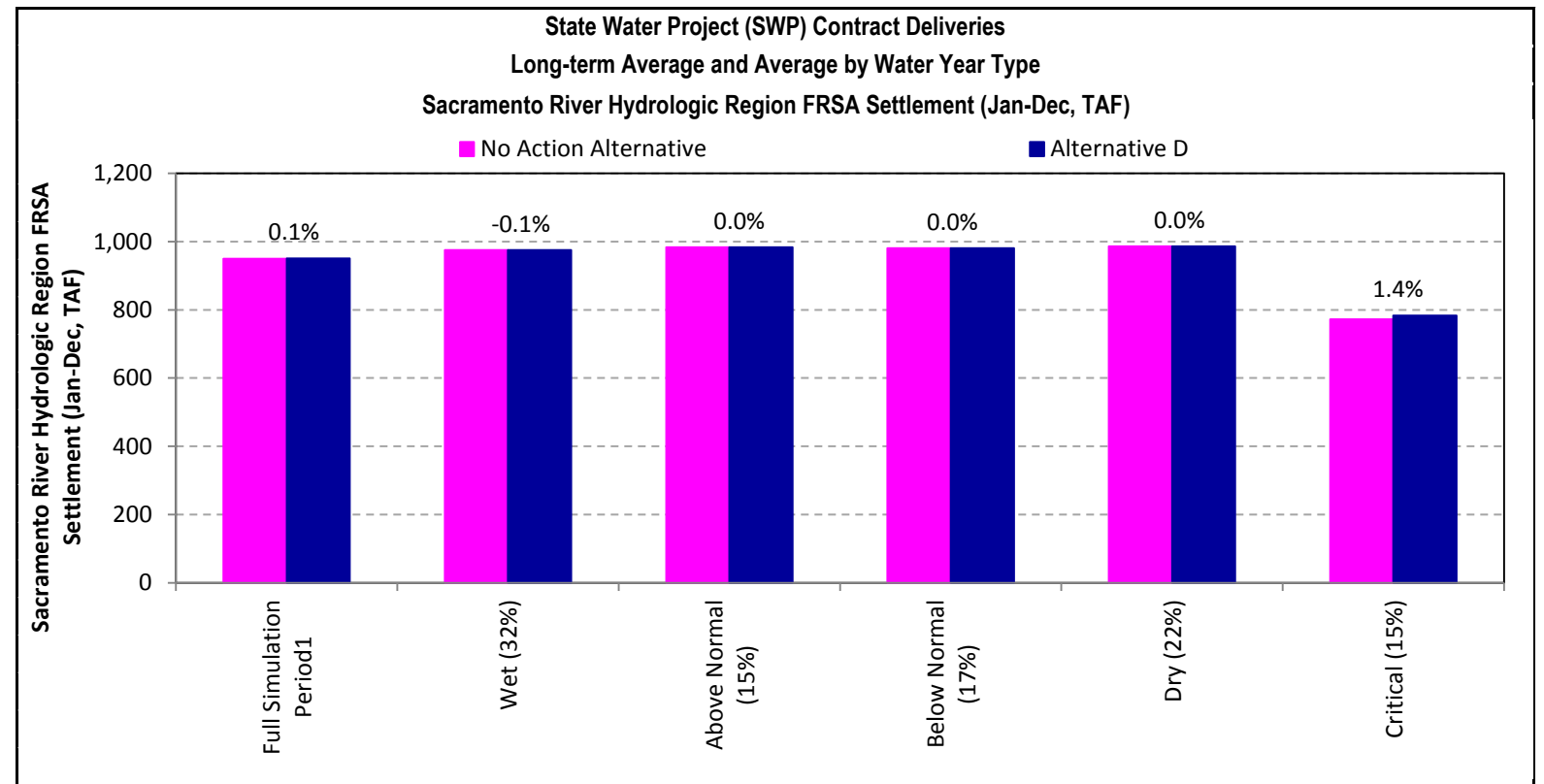
Table WS-SWP-9h

State Water Project (SWP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	FRSA Settlement Contract Allocation (EO May)	Sacramento River Hydrologic Region FRSA Settlement (Jan-Dec, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	96%	950
Alternative D	96%	951
Difference	0%	1
Percent Difference ³		0.1%
Water Year Types²		
Wet (32%)		
No Action Alternative	100%	976
Alternative D	100%	975
Difference	0%	-1
Percent Difference		-0.1%
Above Normal (15%)		
No Action Alternative	100%	983
Alternative D	100%	983
Difference	0%	0
Percent Difference		0.0%
Below Normal (17%)		
No Action Alternative	100%	981
Alternative D	100%	981
Difference	0%	0
Percent Difference		0.0%
Dry (22%)		
No Action Alternative	100%	986
Alternative D	100%	986
Difference	0%	0
Percent Difference		0.0%
Critical (15%)		
No Action Alternative	75%	772
Alternative D	75%	783
Difference	0%	11
Percent Difference		1.4%

¹ Based on the 82-year simulation period

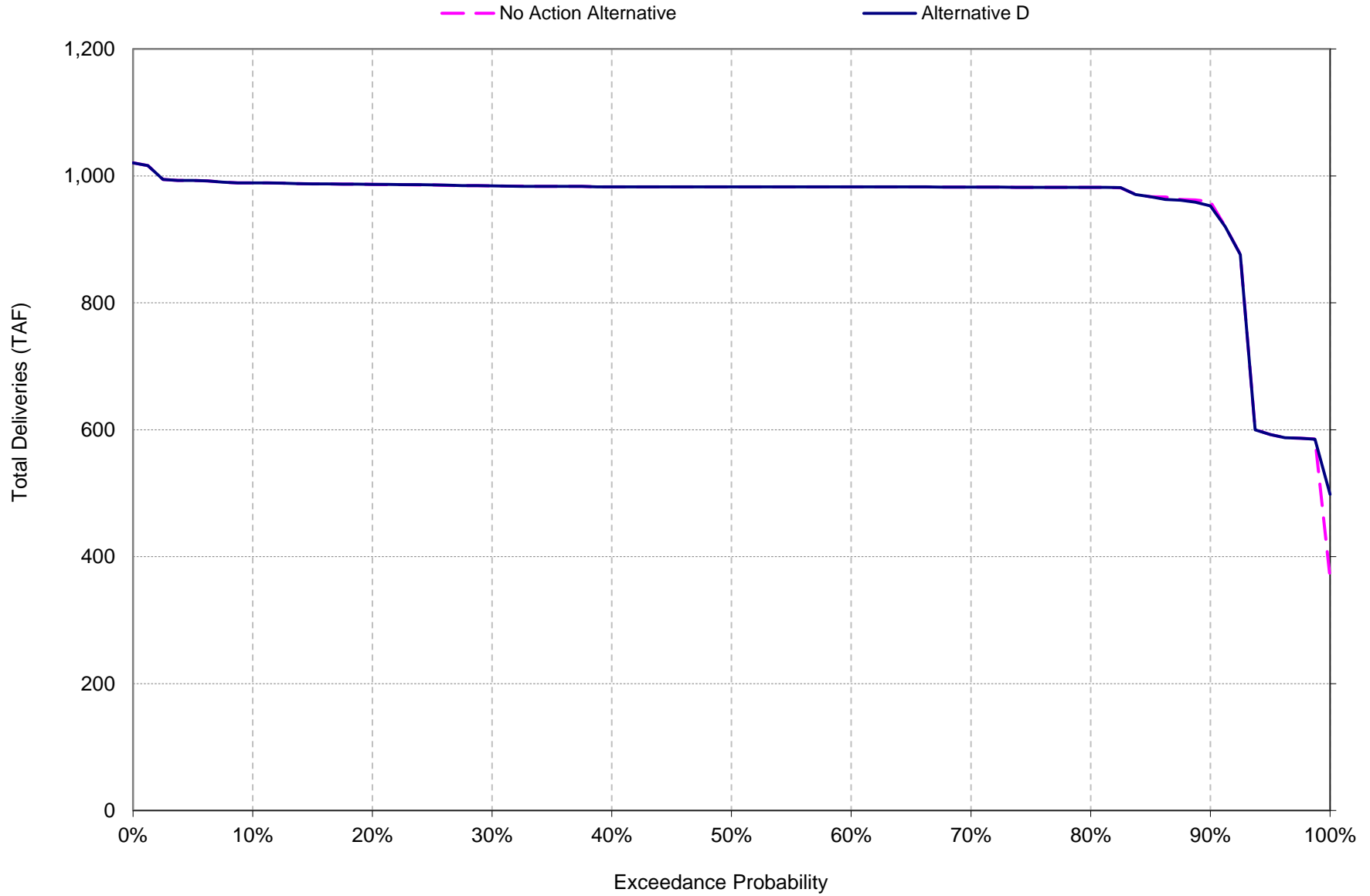
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-9i
State Water Project (SWP) FRSA Settlement Contract Deliveries
Probability Exceedance Chart



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Table WS-SWP-9j

Alternative D														Alternative D									
State Water Project (SWP) Contract Deliveries														State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations						
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahonton Hydrologic Region	South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Ag Service Table A Allocation	M&I Service Table A Allocation	FRSA Settlement Contract Allocation	SWP Table A Delivery (w/o Art 56)	SWP Article 56 Delivery	SWP Article 21 Delivery	
		FRSA Settlement (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(EO May)	(EO May)	(EO May)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	
1922	2	AN	983	26	4	224	49	708	94	802	261	9	1,362	1,371	721	2,016	2,737	70%	70%	100%	2,721	0	16
1923	3	BN	994	23	3	203	43	620	82	702	296	8	1,447	1,455	631	2,095	2,726	61%	61%	100%	2,519	187	20
1924	5	C	585	13	2	122	26	374	50	424	165	5	820	824	381	1,195	1,576	37%	37%	50%	1,539	28	10
1925	4	D	983	20	3	186	40	581	77	658	247	7	1,239	1,247	591	1,811	2,402	57%	57%	100%	2,386	0	16
1926	4	D	989	20	3	168	41	588	78	666	251	7	1,254	1,261	598	1,811	2,409	58%	58%	100%	2,402	1	6
1927	1	W	982	23	4	202	44	638	85	723	259	8	1,315	1,323	650	1,928	2,578	63%	63%	100%	2,563	1	14
1928	2	AN	983	24	4	204	45	647	86	733	271	8	1,368	1,376	659	1,997	2,656	64%	64%	100%	2,585	59	12
1929	5	C	987	14	2	126	27	390	52	442	181	5	892	897	398	1,292	1,690	39%	39%	100%	1,605	75	10
1930	4	D	983	20	3	169	40	572	76	648	243	7	1,220	1,227	582	1,768	2,350	56%	56%	100%	2,341	0	8
1931	5	C	592	10	2	96	21	303	40	344	130	4	647	651	309	945	1,254	30%	30%	50%	1,245	1	8
1932	4	D	989	18	3	169	35	589	68	657	217	8	1,132	1,140	600	1,640	2,240	50%	50%	100%	2,088	0	152
1933	5	C	988	13	2	140	27	478	52	530	169	7	890	897	487	1,292	1,780	39%	39%	100%	1,616	1	163
1934	5	C	587	11	2	93	21	302	40	343	130	4	645	649	308	940	1,248	30%	30%	50%	1,237	0	10
1935	3	BN	983	26	4	231	53	757	100	857	279	9	1,457	1,466	770	2,146	2,917	75%	75%	100%	2,907	0	10
1936	3	BN	987	24	4	215	48	686	91	777	301	9	1,504	1,513	698	2,183	2,882	68%	68%	100%	2,669	200	12
1937	3	BN	982	31	5	273	61	899	117	1,015	354	12	1,811	1,823	916	2,647	3,562	87%	87%	100%	3,376	147	39
1938	1	W	982	35	6	299	68	981	130	1,112	410	12	2,070	2,082	999	3,013	4,012	97%	97%	100%	3,771	231	10
1939	4	D	1,016	22	3	182	40	579	77	656	301	7	1,437	1,445	590	2,059	2,649	57%	57%	100%	2,380	259	10
1940	2	AN	982	23	4	204	45	646	86	731	260	8	1,320	1,328	657	1,937	2,595	64%	64%	100%	2,579	1	14
1941	1	W	970	30	5	247	58	830	110	940	323	10	1,654	1,665	845	2,422	3,267	82%	82%	100%	3,190	75	2
1942	1	W	983	28	4	237	52	749	99	849	322	9	1,612	1,621	763	2,351	3,114	74%	74%	100%	2,880	218	16
1943	1	W	983	30	5	256	57	814	108	922	341	10	1,722	1,732	828	2,513	3,341	80%	80%	100%	3,127	198	16
1944	4	D	984	21	3	184	42	599	80	678	299	8	1,447	1,455	610	2,072	2,681	59%	59%	100%	2,456	215	10
1945	3	BN	982	27	4	243	53	861	100	962	281	10	1,530	1,541	876	2,234	3,110	75%	75%	100%	2,908	1	201
1946	3	BN	983	24	4	210	44	639	85	724	300	8	1,473	1,481	651	2,136	2,787	63%	63%	100%	2,566	200	20
1947	4	D	983	24	4	207	46	666	88	755	271	8	1,376	1,384	679	2,013	2,691	66%	66%	100%	2,628	54	10
1948	3	BN	920	20	3	186	40	582	77	659	269	7	1,328	1,335	592	1,921	2,513	57%	57%	100%	2,389	110	14
1949	4	D	984	21	3	174	40	581	77	658	248	7	1,239	1,246	591	1,799	2,390	57%	57%	100%	2,379	1	10
1950	3	BN	982	20	3	188	39	568	75	643	242	7	1,212	1,219	578	1,777	2,356	56%	56%	100%	2,333	1	21
1951	2	AN	986	29	4	253	54	1,043	103	1,146	287	13	1,661	1,674	1,060	2,387	3,447	76%	76%	100%	2,975	1	471
1952	1	W	983	34	5	281	66	947	126	1,073	395	12	1,985	1,997	964	2,887	3,851	93%	93%	100%	3,641	209	2
1953	1	W	986	22	3	191	41	587	78	665	302	7	1,448	1,456	597	2,082	2,680	58%	58%	100%	2,412	251	17
1954	2	AN	983	21	3	184	41	583	77	660	249	7	1,243	1,251	593	1,815	2,409	57%	57%	100%	2,395	1	13
1955	4	D	993	23	4	196	43	625	83	708	259	8	1,304	1,312	636	1,907	2,543	62%	62%	100%	2,530	1	12
1956	1	W	993	32	5	280	61	989	117	1,106	332	12	1,765	1,777	1,006	2,587	3,593	87%	87%	100%	3,377	32	183
1957	2	AN	983	21	3	181	38	551	73	624	282	7	1,359	1,366	561	1,954	2,515	54%	54%	100%	2,265	233	17
1958	1	W	959	36	6	307	70	1,014	135	1,148	375	13	1,951	1,964	1,032	2,874	3,906	100%	100%	100%	3,896	1	9
1959	3	BN	990	19	3	161	35	504	67	571	270	6	1,286	1,292	513	1,837	2,350	50%	50%	100%	2,070	269	11
1960	4	D	983	19	3	175	39	555	74	629	237	7	1,184	1,191	565	1,728	2,293	55%	55%	100%	2,280	1	12
1961	4	D	983	21	3	172	41	590	78	669	252	7	1,260	1,267	601	1,823	2,424	58%	58%	100%	2,415	1	8
1962	3	BN	983	22	4	197	43	624	83	707	259	8	1,304	1,311	636	1,907	2,542	62%	62%	100%	2,528	1	13
1963	1	W	953	23	3	200	43	612	81	694	264	8	1,320	1,328	624	1,931	2,555	60%	60%	100%	2,500	35	20
1964	4	D	989	25	4	208	46	663	88	751	263	8	1,344	1,352	675	1,974	2,649	65%	65%	100%	2,620	16	13
1965	1	W	987	28	4	239	53	760	101	861	301	10	1,545	1,554	774	2,266	3,040	75%	75%	100%	2,923	103	14
1966	3	BN	987	25	4	215	47	671	89	760	302	8	1,493	1,502	684	2,172	2,855	66%	66%	100%	2,639	199	17
1967	1	W	983	30	5	261	57	823	109	932	328	10	1,678	1,688	838	2,463	3,301	81%	81%	100%	3,164	119	18
1968	3	BN	983	24	3	196	43	621	82	704	303	8	1,472	1,480	633	2,120	2,752	61%	61%	100%	2,523	218	12
1969	1	W	983	37	6	298	70	1,014	135	1,148	378	13	2,019	2,031	1,032	2,936	3,968	100%	100%	100%	3,896	15	57
1970	1	W	983	29	4	257	54	931	103	1,034	326	13	1,626	1,638	948	2,394	3,342	76%	76%	100%	2,979	127	236
1971	1	W	985	24	4	200	44	627	83	711	300	8	1,467	1,475	639	2,118	2,757	62%	62%	100%	2,538	205	14
1972	3	BN	992	23	4	205	44	628	83	712	266	8	1,338	1,346	640	1,960	2,599	62%	62%	100%	2,540	40	20
1973	2	AN	982	25	4	220	48	691	92	782	268	9	1,382	1,390	703	2,035	2,738	68%	68%	100%	2,680	42	16
1974	1	W	982	31	5	260	58	828	110	938	338	10	1,715	1,725	843	2,511	3,354	82%	82%	100%	3,183	155	16
1975	1	W	982	27	4	234	51	741	98	839	318	9	1,596	1,606	754	2,325	3,079	73%	73%	100%	2,847	218	15
1976	5	C	1,021	23	4	198	44	635	84	719	298	8	1,467	1,475	647	2,115	2,761	63%	63%	100%	2,555	196	10
1977	5	C	498	6	1	55	12	173	23	196	85	2	412	414	176	593	769	17%	17%	50%	712	55	2
1978	2	AN	983	28	4	229	54	773	103	875	285	10	1,487	1,497	787	2,185	2,972	76%	76%	100%	2,970	0	2
1979	3	BN	982	27	4	237	52	755	100	855	320	9	1,614	1,624	769	2,352	3,120	74%	74%	100%	2,902	204	14
1980	2	AN	986	32	5	263	62	885	117	1,002	349	11	1,836	1,847	901	2,660	3,561	87%	87%	100%	3,401	107	53
1981	4	D	983	24	4	204	44	639	85	724	308	8	1,497	1,505	651	2,162	2,812	63%	63%	100%	2,566	233	14
1982	1	W	967	36	6	311	70	1,138	135	1,272													

Table WS-SWP-9j

		Alternative D																			
		State Water Project (SWP) Contract Deliveries																			
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region		San Francisco Bay Hydrologic Region		Central Coast Hydrologic Region			Tulare Lake Hydrologic Region			South Coast Hydrologic Region			Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Deliveries	
		FRSA Settlements		M&I Service		Ag Service		M&I Service		M&I Service			Ag Service			M&I Service					
		(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)	(Jan-Dec, TAF)				(Jan-Dec, TAF)
AVG:		951	24	4	207	46	685	88	773	279	9	1,412	1,420	697	2,056	2,753					
MIN:		498	6	1	55	12	173	23	196	85	2	412	414	176	593	769					
MAX:		1,021	37	6	319	70	1,428	135	1,563	413	16	2,115	2,131	1,449	3,089	4,538					
DP:	29-34, 76-77	840	14	2	127	28	413	53	467	177	5	887	893	421	1,287	1,708					
AVG:	W	975	30	5	257	57	877	109	987	339	11	1,726	1,737	893	2,518	3,411					
	AN	983	26	4	220	49	726	93	819	280	9	1,448	1,457	739	2,115	2,854					
	BN	981	24	4	211	46	673	88	761	289	8	1,448	1,456	685	2,106	2,791					
	D	986	21	3	184	41	600	79	679	261	8	1,303	1,310	611	1,890	2,501					
	C	783	13	2	117	25	374	49	422	165	5	819	823	380	1,188	1,568					

Rank	Probability of
1	0.0%
2	1.3%
3	2.5%
4	3.8%
5	5.0%
6	6.3%
7	7.5%
8	8.8%
9	10.0%
10	11.3%
11	12.5%
12	13.8%
13	15.0%
14	16.3%
15	17.5%
16	18.8%
17	20.0%
18	21.3%
19	22.5%
20	23.8%
21	25.0%
22	26.3%
23	27.5%
24	28.8%
25	30.0%
26	31.3%
27	32.5%
28	33.8%
29	35.0%
30	36.3%
31	37.5%
32	38.8%
33	40.0%
34	41.3%
35	42.5%
36	43.8%
37	45.0%
38	46.3%
39	47.5%
40	48.8%
41	50.0%
42	51.3%
43	52.5%
44	53.8%
45	55.0%
46	56.3%
47	57.5%
48	58.8%
49	60.0%
50	61.3%
51	62.5%
52	63.8%
53	65.0%
54	66.3%
55	67.5%
56	68.8%
57	70.0%
58	71.3%
59	72.5%
60	73.8%
61	75.0%
62	76.3%
63	77.5%
64	78.8%
65	80.0%
66	81.3%
67	82.5%
68	83.8%
69	85.0%
70	86.3%
71	87.5%
72	88.8%
73	90.0%
74	91.3%
75	92.5%
76	93.8%
77	95.0%
78	96.3%
79	97.5%
80	98.8%
81	100.0%

1,021	37	6	319	70	1,428	135	1,563	413	16	2,115	2,131	1,449	3,089	4,538
1,016	37	6	311	70	1,186	135	1,289	410	15	2,070	2,082	1,204	3,013	4,135
994	36	6	307	70	1,138	135	1,272	407	14	2,035	2,048	1,158	2,977	4,012
993	36	6	299	70	1,061	135	1,177	395	13	2,030	2,045	1,079	2,959	3,968
993	35	6	298	68	1,043	130	1,148	395	13	2,019	2,031	1,060	2,936	3,939
992	34	5	288	67	1,014	128	1,148	378	13	1,985	1,997	1,032	2,887	3,906
990	34	5	281	66	1,014	126	1,146	375	13	1,951	1,964	1,032	2,874	3,851
989	32	5	280	62	989	117	1,112	361	13	1,913	1,924	1,006	2,745	3,722
989	32	5	278	61	981	117	1,106	354	12	1,836	1,847	999	2,660	3,664
989	32	5	273	61	962	117	1,090	352	12	1,811	1,823	980	2,647	3,639
988	31	5	266	61	947	117	1,073	349	12	1,804	1,817	964	2,643	3,593
988	31	5	263	61	931	116	1,034	341	12	1,765	1,777	948	2,587	3,562
987	31	5	261	61	899	116	1,015	338	12	1,722	1,732	916	2,513	3,561
987	31	5	261	58	885	110	1,002	332	11	1,715	1,725	901	2,511	3,447
987	30	5	260	58	879	110	995	328	11	1,690	1,704	894	2,482	3,375
987	30	5	260	57	877	109	994	326	11	1,689	1,700	893	2,463	3,354
987	30	5	257	57	861	108	962	325	10	1,678	1,688	876	2,460	3,342
987	29	4	256	54	830	103	940	323	10	1,661	1,674	845	2,422	3,341
986	29	4	253	54	828	103	938	322	10	1,654	1,665	843	2,394	3,301
986	29	4	247	54	823	103	932	320	10	1,626	1,638	838	2,387	3,267
986	28	4	243	54	814	103	922	318	10	1,614	1,624	828	2,352	3,120
986	28	4	239	53	773	101	875	317	10	1,612	1,621	787	2,351	3,114
985	28	4	237	53	760	100	861	314	10	1,596	1,606	774	2,325	3,110
984	28	4	237	53	757	100	857	314	9	1,571	1,580	770	2,284	3,079
984	27	4	234	52	755	100	855	308	9	1,545	1,554	769	2,266	3,040
984	27	4	233	52	749	99	849	303	9	1,538	1,546	763	2,234	3,018
984	27	4	231	52	748	99	847	302	9	1,530	1,541	761	2,233	2,972
983	27	4	229	52	743	99	842	302	9	1,504	1,513	757	2,185	2,941
983	27	4	227	51	741	98	839	301	9	1,497	1,505	754	2,185	2,921
983	26	4	227	50	721	96	817	301	9	1,493	1,502	734	2,183	2,917
983	26	4	225	50	713	95	808	301	9	1,487	1,497	726	2,172	2,888
983	26	4	224	49	708	94	802	300	9	1,485	1,495	721	2,162	2,882
983	25	4	220	48	691	92	782	300	9	1,473	1,482	703	2,155	2,881
983	25	4	220	48	686	91	777	299	9	1,473	1,481	698	2,146	2,855
983	25	4	215	47	675	90	765	298	8	1,472	1,480	687	2,136	2,812
983	25	4	215	47	671	89	760	296	8	1,467	1,475	684	2,127	2,787
983	24	4	210	46	666	88	755	295	8	1,467	1,475	679	2,120	2,761
983	24	4	208	46	663	88	751	288	8	1,457	1,466	675	2,118	2,757
983	24	4	207	45	647	86	733	287	8	1,448	1,456	659	2,115	2,752
983	24	4	205	45	646	86	731	285	8	1,447	1,455	657	2,095	2,738
983	24	4	204	44	639	85	724	284	8	1,447	1,455	651	2,082	2,737
983	24	4	204	44	639	85	724	282	8	1,439	1,449	651	2,072	2,726
983	24	4	204	44	638	85	723	281	8	1,437	1,445	650	2,059	2,691
983	23	4	203	44	635	84	719	280	8	1,384	1,392	647	2,035	2,681
983	23	4	202	44	628	83	712	279	8	1,382	1,390	640	2,016	2,680
983	23	4	200	44	627	83	711	276	8	1,376	1,384	639	2,013	2,656
983	23	4	200	43	625	83	708	271	8	1,368	1,376	636	1,997	2,649
983	23	4	198	43	624	83	707	271	8	1,362	1,371	636	1,990	2,649
983	23	3	197	43	621	82	704	270	8	1,359	1,367	633	1,974	2,599
983	23	3	196	43	620	82	702	269	8	1,359	1,366	631	1,960	2,595
983	22	3	196	43	612	81	694	268	8	1,344	1,352	624	1,954	2,580
983	22	3	191	42	599	80	678	266	8	1,338	1,346	610	1,948	2,578
983	22	3	188	41	590	78	669	264	8	1,328	1,335	601	1,937	2,555
983	21	3	186	41	589	78	666	263	7	1,320	1,328	600	1,931	2,543
982	21	3	186	41	588	78	665	261	7	1,320	1,328	598	1,928	2,542
982	21	3	184	41	587	77	660	260	7	1,315	1,323	597	1,921	2,522
982	21	3	184	40	583	77	659	259	7	1,304	1,312	593	1,907	2,515
982	21	3	183	40	582	77	659	259	7	1,304	1,311	593	1,907	2,513
982	21	3	182	40	582	77	658	259	7	1,286	1,292	592	1,837	2,424
982	20	3	181	40	581	77	658	252	7	1,260	1,267	591	1,823	2,409
982	20	3	180	40	581	77	657	251	7	1,254	1,261	591	1,815	2,409
982	20	3	175	40	579	77	656	249	7	1,243	1,251	590	1,811	2,402
982	20	3	174	40	579	76	656	248	7	1,242	1,249	590	1,811	2,393
982	20	3	174	40	572	76	648	248	7	1,239	1,247	583	1,800	2,390
982	20	3	174	39	572	75	648	247	7	1,239	1,246	582	1,799	2,363
982	20	3	172	39	568	75	643	244	7	1,221	1,228	578	1,781	2,356
982	20	3	169	39	564	74	639	243	7	1,220	1,227	574	1,777	2,350
970														

Table WS-SWP-9k

No Action Alternative														State Water Project (SWP) Allocations			State Water Project (SWP) Delivery Operations					
State Water Project (SWP) Contract Deliveries														Ag Service Deliveries (Jan-Dec, TAF)	M&I Service Deliveries (Jan-Dec, TAF)	Total Ag and M&I Service Deliveries (Jan-Dec, TAF)	Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	FRSA Settlement Contract Allocation (EO May)	SWP Table A Delivery (w/o Art 56) (Jan-Dec, TAF)	SWP Article 56 Delivery (Jan-Dec, TAF)	SWP Article 21 Delivery (Jan-Dec, TAF)
Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region		San Joaquin River Hydrologic Region	San Francisco Bay Hydrologic Region	Central Coast Hydrologic Region	Tulare Lake Hydrologic Region			South Lahontan Hydrologic Region	South Coast Hydrologic Region											
		FRSA Settlement (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Ag Service (Jan-Dec, TAF)	M&I Service (Jan-Dec, TAF)	Total (Jan-Dec, TAF)									
1922	2 AN	983	26	4	227	50	721	96	817	266	9	1,387	1,397	734	2,053	2,787	71%	71%	100%	2,771	0	16
1923	3 BN	994	22	3	186	41	588	78	666	290	7	1,404	1,412	598	2,021	2,620	58%	58%	100%	2,416	192	12
1924	5 C	585	8	1	75	17	238	32	270	103	3	508	511	243	742	985	24%	24%	50%	976	1	8
1925	4 D	983	19	3	193	39	633	75	707	240	8	1,252	1,260	644	1,817	2,461	55%	55%	100%	2,306	0	155
1926	4 D	989	17	3	144	34	483	64	547	206	6	1,030	1,036	491	1,494	1,985	48%	48%	100%	1,978	1	6
1927	1 W	982	27	4	232	52	743	99	841	275	9	1,430	1,439	756	2,114	2,870	73%	73%	100%	2,855	1	14
1928	2 AN	983	24	4	210	47	671	89	760	300	8	1,493	1,501	683	2,163	2,846	66%	66%	100%	2,638	196	12
1929	5 C	988	9	1	84	18	256	34	290	133	3	641	645	261	919	1,180	25%	25%	100%	1,051	119	10
1930	4 D	983	17	3	149	34	484	64	548	206	6	1,032	1,038	493	1,502	1,995	48%	48%	100%	1,985	0	10
1931	5 C	592	11	2	96	22	315	42	356	135	4	671	675	320	976	1,297	31%	31%	50%	1,288	1	8
1932	4 D	989	15	2	137	29	541	55	595	176	7	973	980	550	1,384	1,934	41%	41%	100%	1,687	0	247
1933	5 C	985	14	2	140	27	531	52	583	170	7	944	951	540	1,348	1,888	39%	39%	100%	1,621	1	266
1934	5 C	587	9	1	73	17	241	32	273	103	3	514	517	245	748	993	24%	24%	50%	985	0	8
1935	3 BN	983	25	4	230	52	744	99	842	274	9	1,432	1,441	757	2,112	2,869	73%	73%	100%	2,856	0	13
1936	3 BN	987	24	4	212	47	674	90	764	300	8	1,495	1,503	687	2,167	2,853	67%	67%	100%	2,645	197	12
1937	3 BN	982	31	5	279	61	980	117	1,096	350	12	1,836	1,848	997	2,673	3,669	87%	87%	100%	3,376	125	169
1938	1 W	982	36	6	308	70	1,015	135	1,150	423	13	2,127	2,140	1,033	3,100	4,133	100%	100%	100%	3,896	227	11
1939	4 D	1,016	20	3	163	36	522	69	592	280	7	1,325	1,332	532	1,894	2,426	52%	52%	100%	2,146	271	8
1940	2 AN	982	22	4	198	44	627	83	711	259	8	1,306	1,314	639	1,912	2,551	62%	62%	100%	2,536	1	14
1941	1 W	971	29	5	241	56	809	107	917	309	10	1,590	1,600	824	2,332	3,156	80%	80%	100%	3,110	44	2
1942	1 W	983	24	4	208	46	655	87	742	304	8	1,494	1,503	667	2,163	2,830	65%	65%	100%	2,602	214	14
1943	1 W	983	30	5	255	57	819	109	928	319	10	1,645	1,656	834	2,416	3,249	81%	81%	100%	3,147	88	14
1944	4 D	985	18	3	162	35	507	67	575	260	6	1,253	1,260	517	1,796	2,313	50%	50%	100%	2,084	217	12
1945	3 BN	982	27	4	250	53	910	100	1,010	281	11	1,569	1,581	925	2,280	3,206	75%	75%	100%	2,908	1	297
1946	3 BN	983	25	4	217	46	667	89	756	300	8	1,493	1,501	679	2,171	2,850	66%	66%	100%	2,630	200	20
1947	4 D	983	25	4	213	48	692	92	784	282	9	1,438	1,447	705	2,098	2,803	68%	68%	100%	2,682	111	10
1948	3 BN	920	18	3	176	38	553	73	627	269	7	1,308	1,314	563	1,883	2,446	55%	55%	100%	2,272	162	12
1949	4 D	984	17	3	154	35	498	66	565	213	6	1,063	1,069	507	1,547	2,055	49%	49%	100%	2,044	1	10
1950	3 BN	982	20	3	191	41	595	79	674	254	7	1,270	1,277	606	1,855	2,461	59%	59%	100%	2,444	1	16
1951	2 AN	986	28	4	247	54	969	103	1,072	287	12	1,576	1,587	985	2,295	3,280	76%	76%	100%	2,973	1	306
1952	1 W	983	32	5	270	63	911	121	1,032	382	11	1,915	1,927	928	2,783	3,711	90%	90%	100%	3,501	208	1
1953	1 W	986	20	3	176	38	545	72	617	281	7	1,353	1,360	555	1,941	2,496	54%	54%	100%	2,240	242	14
1954	2 AN	983	22	3	188	41	590	78	669	252	7	1,260	1,267	601	1,840	2,441	58%	58%	100%	2,426	1	14
1955	4 D	993	17	3	155	34	485	64	549	207	6	1,035	1,041	494	1,512	2,006	48%	48%	100%	1,993	1	12
1956	1 W	993	32	5	284	61	1,142	117	1,259	326	14	1,819	1,833	1,161	2,638	3,799	87%	87%	100%	3,377	1	420
1957	2 AN	983	20	3	181	39	554	74	627	283	7	1,365	1,372	564	1,961	2,525	55%	55%	100%	2,275	233	17
1958	1 W	959	34	5	293	67	966	128	1,094	357	12	1,742	1,754	983	2,621	3,604	95%	95%	100%	3,593	1	9
1959	3 BN	990	18	3	151	34	490	65	555	218	6	1,120	1,126	499	1,606	2,105	48%	48%	100%	2,009	86	10
1960	4 D	983	18	3	167	37	533	71	603	227	7	1,137	1,143	542	1,657	2,199	53%	53%	100%	2,188	1	10
1961	4 D	983	22	4	182	44	632	84	715	259	8	1,310	1,317	643	1,900	2,543	62%	62%	100%	2,534	1	8
1962	3 BN	983	21	3	194	43	616	82	697	266	8	1,333	1,341	627	1,939	2,565	61%	61%	100%	2,506	47	12
1963	1 W	967	22	3	198	42	605	80	685	260	8	1,303	1,310	616	1,905	2,521	60%	60%	100%	2,482	21	19
1964	4 D	989	24	4	208	46	661	88	749	261	8	1,334	1,343	673	1,961	2,634	65%	65%	100%	2,615	5	14
1965	1 W	987	27	4	233	51	740	98	838	292	9	1,503	1,512	753	2,204	2,958	73%	73%	100%	2,844	99	14
1966	3 BN	987	23	3	198	43	616	82	698	297	8	1,450	1,458	627	2,093	2,720	61%	61%	100%	2,510	195	15
1967	1 W	983	29	4	249	55	794	105	900	297	10	1,545	1,555	809	2,281	3,090	78%	78%	100%	3,054	21	15
1968	3 BN	983	23	3	188	41	597	79	676	297	7	1,438	1,445	607	2,066	2,674	59%	59%	100%	2,452	210	12
1969	1 W	983	36	6	298	70	1,014	135	1,148	375	13	2,013	2,025	1,032	2,928	3,960	100%	100%	100%	3,896	2	61
1970	1 W	983	25	4	226	49	708	94	802	317	9	1,572	1,581	721	2,283	3,003	70%	70%	100%	2,720	267	16
1971	1 W	985	24	4	204	45	643	85	728	297	8	1,466	1,474	654	2,121	2,775	63%	63%	100%	2,574	187	14
1972	3 BN	992	22	3	194	41	590	78	668	264	7	1,311	1,318	601	1,909	2,510	58%	58%	100%	2,424	66	19
1973	2 AN	982	25	4	221	49	699	93	792	261	9	1,354	1,362	711	2,003	2,714	69%	69%	100%	2,697	1	16
1974	1 W	982	30	5	257	57	819	109	927	338	10	1,710	1,720	834	2,500	3,334	81%	81%	100%	3,147	171	15
1975	1 W	982	26	4	225	50	717	95	812	309	9	1,550	1,559	730	2,255	2,985	71%	71%	100%	2,755	217	13
1976	5 C	1,021	21	3	184	41	584	78	662	287	7	1,396	1,403	595	2,006	2,600	58%	58%	100%	2,400	189	11
1977	5 C	366	6	1	53	12	171	23	193	74	2	361	363	174	528	702	17%	17%	50%	699	1	2
1978	2 AN	983	26	4	219	51	739	98	837	272	9	1,422	1,431	752	2,088	2,840	73%	73%	100%	2,838	0	2
1979	3 BN	982	27	4	233	52	744	99	842	314	9	1,585	1,595	757	2,310	3,067	73%	73%	100%	2,858	195	14
1980	2 AN	986	32	5	261	61	879	117	995	354	11	1,854	1,865	894	2,679	3,573	87%	87%	100%	3,377	137	59
1981	4 D	983	20	3	180	39	557	74	631	285	7	1,372	1,379	567	1,969	2,536	55%	55%	100%	2,289	233	15
1982	1 W	967	35	6	310	70	1,085	135	1,219	384	15	1,983	1,997	1,105	2,916	4,022	100%	100%	100%	3,894	1	126
1983	1 W	963	37	6	319	70	1,424	135	1,558	417	16	2,114	2,130	1,445	3,091	4,536	100%	100%	100%	3,896	91	549
1984	1 W																					

Table WS-CVP-9a

Alternative D
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period ¹	62%	48%	86%	79%	97%	97%	97%
Water Year Types ²							
Wet (32%)	94%	78%	99%	94%	100%	100%	100%
Above Normal (15%)	87%	58%	97%	84%	100%	100%	100%
Below Normal (17%)	57%	39%	86%	76%	100%	100%	100%
Dry (22%)	39%	33%	77%	73%	99%	99%	99%
Critical (15%)	10%	9%	58%	57%	83%	85%	83%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period ¹	1,153	517	1,671	2,793	566
Water Year Types ²					
Wet (32%)	1,827	530	2,358	2,807	591
Above Normal (15%)	1,437	524	1,960	2,825	580
Below Normal (17%)	957	513	1,471	2,856	588
Dry (22%)	779	518	1,297	2,840	567
Critical (15%)	222	487	709	2,590	472

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period ¹	433	48	86
Water Year Types ²			
Wet (32%)	454	64	74
Above Normal (15%)	443	63	74
Below Normal (17%)	451	58	80
Dry (22%)	431	35	100
Critical (15%)	357	8	107

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-9a
Alternative D
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	219	211	1,941	293	16	852	36	290	605
Water Year Types²									
Wet (32%)	328	241	1,932	472	18	875	58	271	969
Above Normal (15%)	308	239	1,950	351	17	875	43	268	734
Below Normal (17%)	203	214	1,981	234	15	875	29	284	491
Dry (22%)	141	191	1,977	199	14	864	25	313	415
Critical (15%)	37	148	1,849	58	11	741	7	327	121

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	159	1	26	261	38	48	12	9	11
Water Year Types²									
Wet (32%)	173	1	27	269	50	38	12	12	9
Above Normal (15%)	162	1	26	269	50	39	12	12	9
Below Normal (17%)	170	1	27	269	46	43	12	11	10
Dry (22%)	154	1	27	265	28	60	12	7	14
Critical (15%)	123	0	23	224	6	68	10	1	16

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Alternative D
6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
	Long-term
Full Simulation Period ¹	79
Water Year Types²	
Wet (32%)	12
Above Normal (15%)	28
Below Normal (17%)	89
Dry (22%)	129
Critical (15%)	182

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-9b

**No Action Alternative
1-Central Valley Project (CVP) Allocation
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period ¹	60%	48%	85%	79%	97%	97%	97%
Water Year Types ²							
Wet (32%)	93%	77%	99%	93%	100%	100%	100%
Above Normal (15%)	84%	58%	96%	84%	100%	100%	100%
Below Normal (17%)	55%	39%	84%	76%	100%	100%	100%
Dry (22%)	37%	31%	77%	73%	99%	99%	99%
Critical (15%)	10%	10%	58%	58%	83%	85%	83%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
2-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type**

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period ¹	1,138	516	1,654	2,786	562
Water Year Types ²					
Wet (32%)	1,820	530	2,350	2,801	587
Above Normal (15%)	1,423	521	1,944	2,817	577
Below Normal (17%)	952	509	1,461	2,849	583
Dry (22%)	732	518	1,250	2,835	564
Critical (15%)	224	486	711	2,578	465

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

**No Action Alternative
3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type**

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period ¹	428	0	134
Water Year Types ²			
Wet (32%)	450	0	137
Above Normal (15%)	440	0	137
Below Normal (17%)	445	0	137
Dry (22%)	429	0	136
Critical (15%)	350	0	115

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-9b
No Action Alternative
4-Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	213	211	1,934	290	16	852	36	290	599
Water Year Types²									
Wet (32%)	323	241	1,927	470	18	875	58	271	968
Above Normal (15%)	297	238	1,942	353	17	875	43	266	730
Below Normal (17%)	197	210	1,974	235	15	875	29	284	491
Dry (22%)	131	192	1,971	188	14	864	23	312	390
Critical (15%)	36	148	1,837	60	11	741	7	327	122

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	155	0	27	261	0	86	12	0	20
Water Year Types²									
Wet (32%)	168	0	28	269	0	89	12	0	21
Above Normal (15%)	159	0	28	269	0	89	12	0	21
Below Normal (17%)	164	0	28	269	0	89	12	0	21
Dry (22%)	151	0	27	265	0	87	12	0	21
Critical (15%)	116	0	23	224	0	74	10	0	18

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

No Action Alternative
6-NODOS Local Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
	Long-term
Full Simulation Period ¹	0
Water Year Types²	
Wet (32%)	0
Above Normal (15%)	0
Below Normal (17%)	0
Dry (22%)	0
Critical (15%)	0

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-9c

Difference: Alternative D minus No Action Alternative

1-Central Valley Project (CVP) Allocation

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Allocation (EO May)	SOD Ag Service Allocation (EO May)	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Refuge Level 2 Contract Allocation (EO May)
Long-term							
Full Simulation Period ¹	2%	0%	1%	0%	0%	0%	0%
Water Year Types ²							
Wet (32%)	1%	0%	1%	0%	0%	0%	0%
Above Normal (15%)	3%	0%	1%	0%	0%	0%	0%
Below Normal (17%)	2%	0%	2%	0%	0%	0%	0%
Dry (22%)	3%	2%	0%	0%	0%	0%	0%
Critical (15%)	0%	0%	0%	0%	0%	0%	0%

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative

2-Central Valley Project (CVP) Contract Deliveries

Long-term Average and Average by Water Year Type

Analysis Period	Ag Service Deliveries (Mar-Feb, TAF)	M&I Service Deliveries (Mar-Feb, TAF)	Total Ag and M&I Service Deliveries (Mar-Feb, TAF)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)	Total Refuge Level 2 and 4 Supplies (Mar-Feb, TAF)
Long-term					
Full Simulation Period ¹	15	1	17	7	4
Water Year Types ²					
Wet (32%)	7	0	8	5	4
Above Normal (15%)	13	3	16	9	3
Below Normal (17%)	5	4	10	7	5
Dry (22%)	47	0	47	5	3
Critical (15%)	-2	1	-1	12	7

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative

3-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)

Long-term Average and Average by Water Year Type

Analysis Period	Total Refuge Level 2 Supplies (Mar-Feb, TAF)	Total Refuge Level 4 NODOS Supplies (Mar-Feb, TAF)	Total Refuge Level 4 Acquisition Supplies (Mar-Feb, TAF)
Long-term			
Full Simulation Period ¹	4	48	-48
Water Year Types ²			
Wet (32%)	4	64	-64
Above Normal (15%)	3	63	-63
Below Normal (17%)	5	58	-58
Dry (22%)	3	35	-35
Critical (15%)	7	8	-8

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-9c
 Difference: Alternative D minus No Action Alternative
 4-Central Valley Project (CVP) Contract Deliveries
 Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			San Francisco Bay Hydrologic Region		Tulare Lake Hydrologic Region
	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Ag Service (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	6	1	7	2	0	0	0	0	6
Water Year Types²									
Wet (32%)	5	0	5	2	0	0	0	0	0
Above Normal (15%)	10	2	9	-1	0	0	0	1	4
Below Normal (17%)	6	4	7	0	0	0	0	0	-1
Dry (22%)	10	0	5	10	0	0	2	0	25
Critical (15%)	1	0	12	-2	0	0	0	0	-1

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative
 5-Refuge Water Supplies (CVP Contract, NODOS and Acquisitions Supplies)
 Long-term Average and Average by Water Year Type

Analysis Period	Sacramento River Hydrologic Region			San Joaquin River Hydrologic Region			Tulare Lake Hydrologic Region		
	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)
Long-term									
Full Simulation Period ¹	4	1	-1	0	38	-38	0	9	-9
Water Year Types²									
Wet (32%)	4	1	-1	0	50	-50	0	12	-12
Above Normal (15%)	3	1	-1	0	50	-50	0	12	-12
Below Normal (17%)	5	1	-1	0	46	-46	0	11	-11
Dry (22%)	3	1	-1	0	28	-28	0	7	-7
Critical (15%)	7	0	0	0	6	-6	0	1	-1

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Difference: Alternative D minus No Action Alternative

6-NODOS Local Deliveries
 Long-term Average and Average by Water Year Type

Analysis Period	NODOS Local (Mar-Feb, TAF)
	Long-term
Full Simulation Period	79
Water Year Types²	
Wet (32%)	12
Above Normal (15%)	28
Below Normal (17%)	89
Dry (22%)	129
Critical (15%)	182

¹ Based on the 82-year simulation period

² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

Table WS-CVP-9d

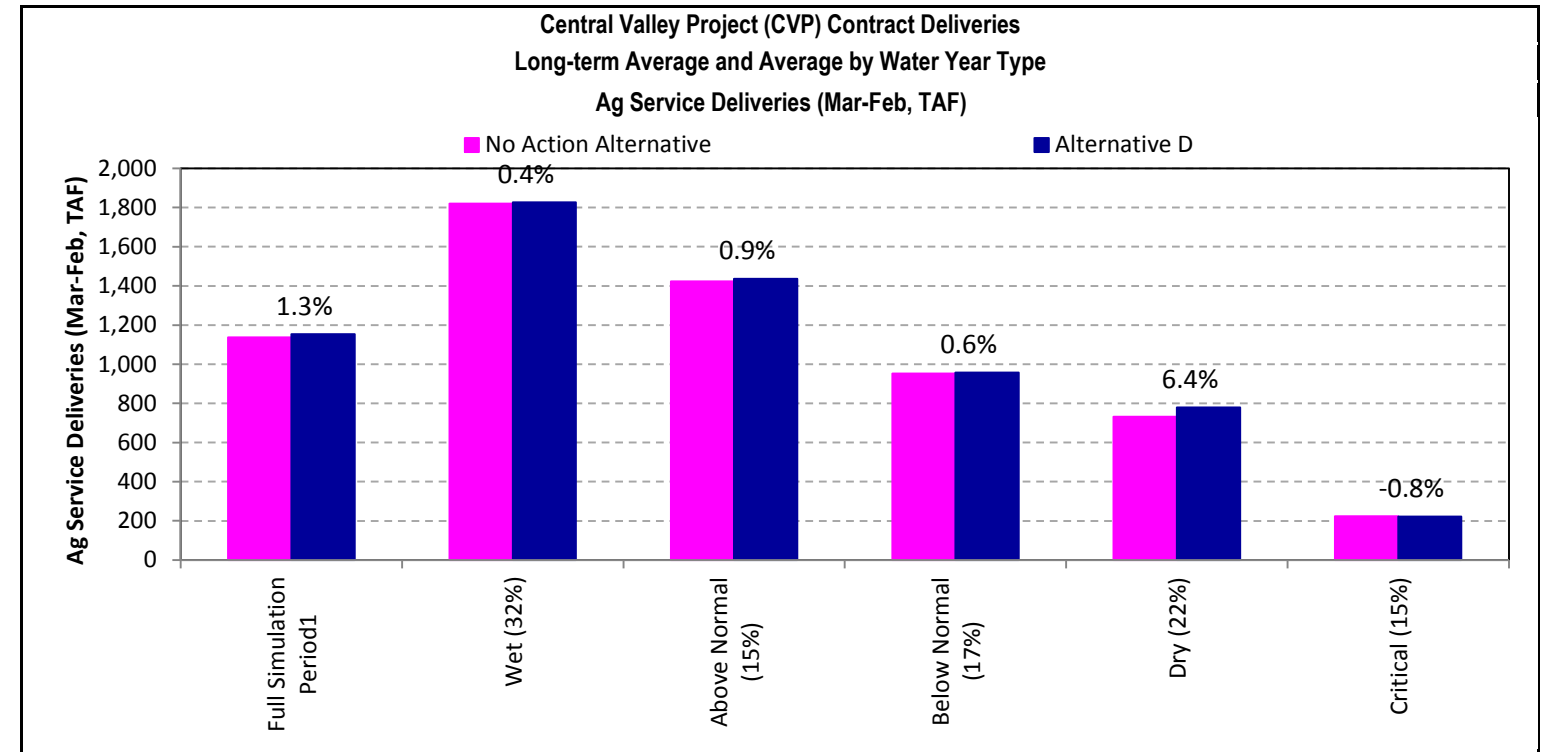
Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	SOD Ag Service Allocation (EO		Ag Service Deliveries (Mar-Feb, TAF)
	Ag Service Allocation (EO May)	May)	
Long-term			
Full Simulation Period¹			
No Action Alternative	60%	48%	1,138
Alternative D	62%	48%	1,153
Difference	2%	0%	15
Percent Difference ³			1.3%
Water Year Types²			
Wet (32%)			
No Action Alternative	93%	77%	1,820
Alternative D	94%	78%	1,827
Difference	1%	0%	7
Percent Difference			0.4%
Above Normal (15%)			
No Action Alternative	84%	58%	1,423
Alternative D	87%	58%	1,437
Difference	3%	0%	13
Percent Difference			0.9%
Below Normal (17%)			
No Action Alternative	55%	39%	952
Alternative D	57%	39%	957
Difference	2%	0%	5
Percent Difference			0.6%
Dry (22%)			
No Action Alternative	37%	31%	732
Alternative D	39%	33%	779
Difference	3%	2%	47
Percent Difference			6.4%
Critical (15%)			
No Action Alternative	10%	10%	224
Alternative D	10%	9%	222
Difference	0%	0%	-2
Percent Difference			-0.8%

¹ Based on the 82-year simulation period

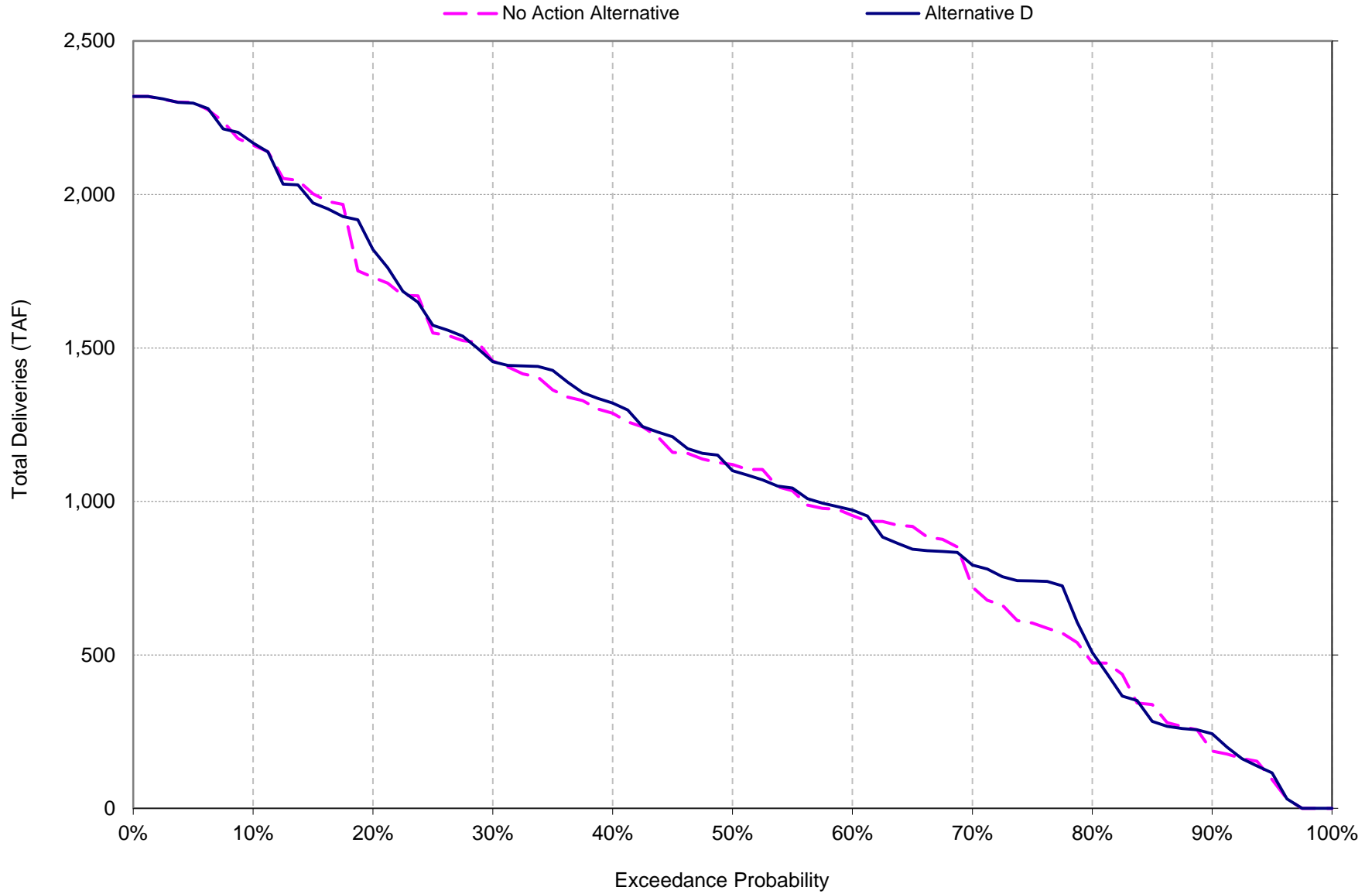
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-9e
Central Valley Project (CVP) Total Ag Service Contract Deliveries
Probability Exceedance Chart



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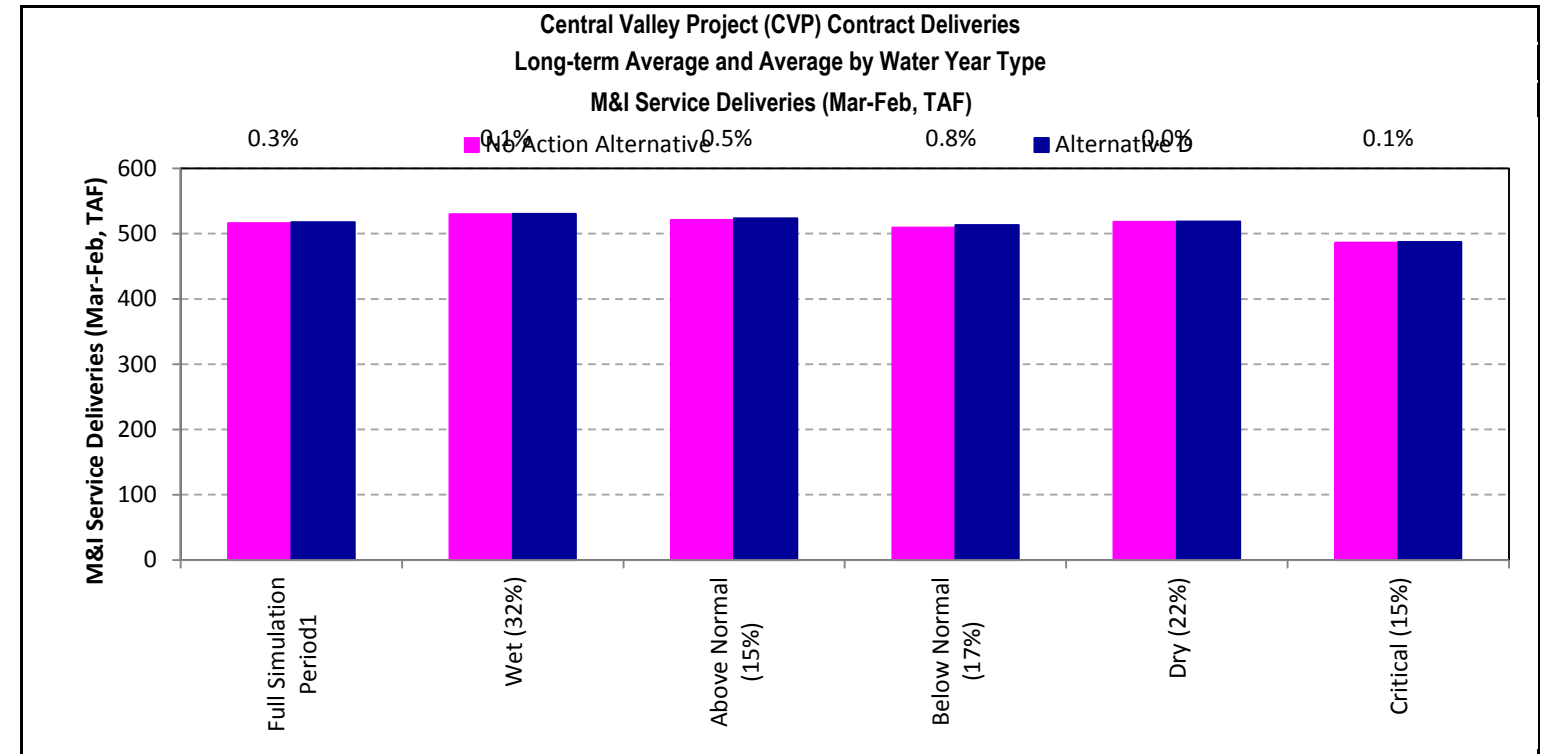
Table WS-CVP-9f

Central Valley Project (CVP) Contract Deliveries Long-term Average and Average by Water Year Type			
Analysis Period	M&I Service Allocation (EO May)	SOD M&I Service Allocation (EO May)	M&I Service Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period¹			
No Action Alternative	85%	79%	516
Alternative D	86%	79%	517
Difference	1%	0%	1
Percent Difference ³			0.3%
Water Year Types²			
Wet (32%)			
No Action Alternative	99%	93%	530
Alternative D	99%	94%	530
Difference	1%	0%	0
Percent Difference			0.1%
Above Normal (15%)			
No Action Alternative	96%	84%	521
Alternative D	97%	84%	524
Difference	1%	0%	3
Percent Difference			0.5%
Below Normal (17%)			
No Action Alternative	84%	76%	509
Alternative D	86%	76%	513
Difference	2%	0%	4
Percent Difference			0.8%
Dry (22%)			
No Action Alternative	77%	73%	518
Alternative D	77%	73%	518
Difference	0%	0%	0
Percent Difference			0.0%
Critical (15%)			
No Action Alternative	58%	58%	486
Alternative D	58%	57%	487
Difference	0%	0%	1
Percent Difference			0.1%

¹ Based on the 82-year simulation period

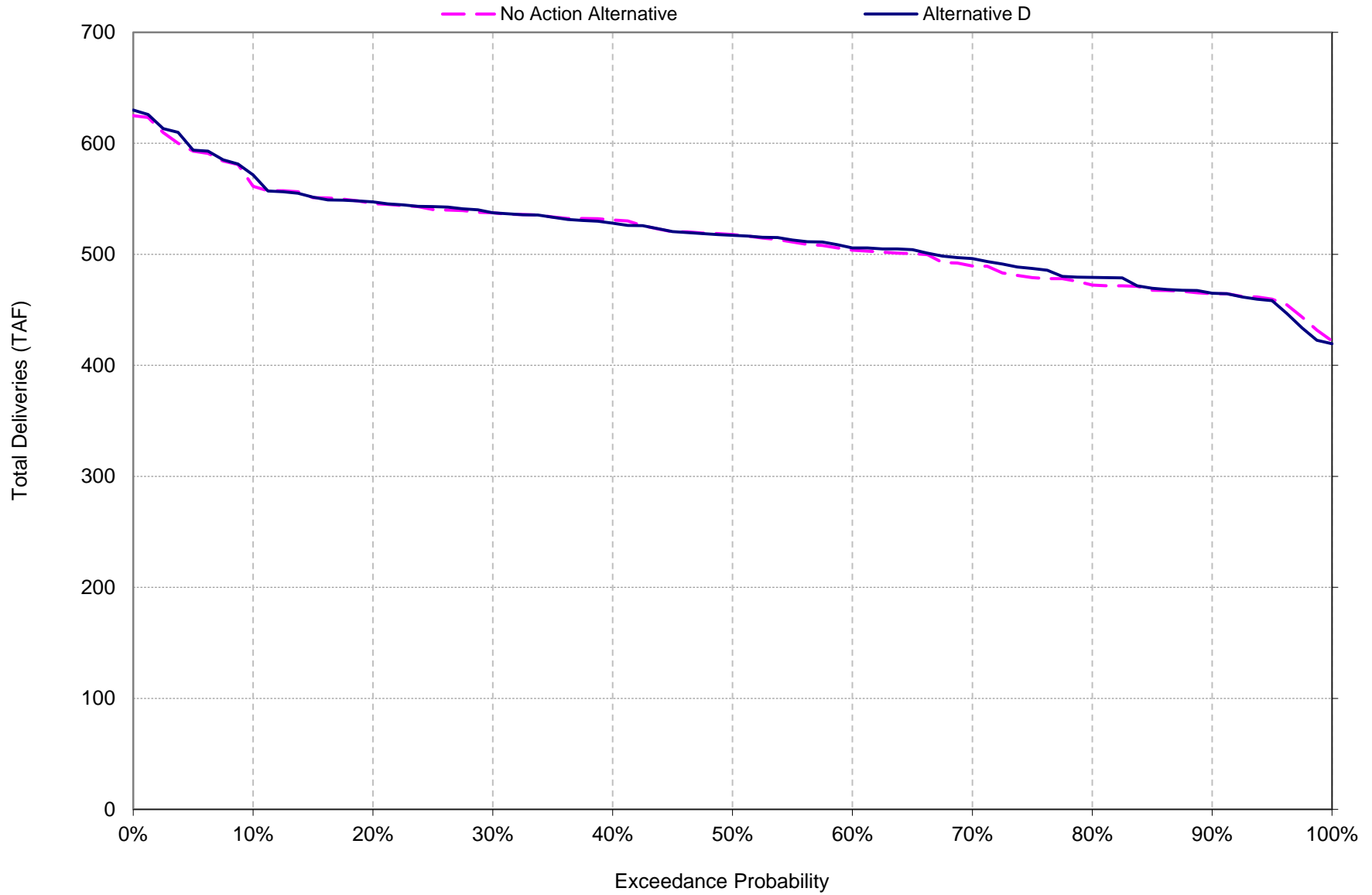
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-9g
Central Valley Project (CVP) Total M&I Service Contract Deliveries
Probability Exceedance Chart



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Table WS-CVP-9h

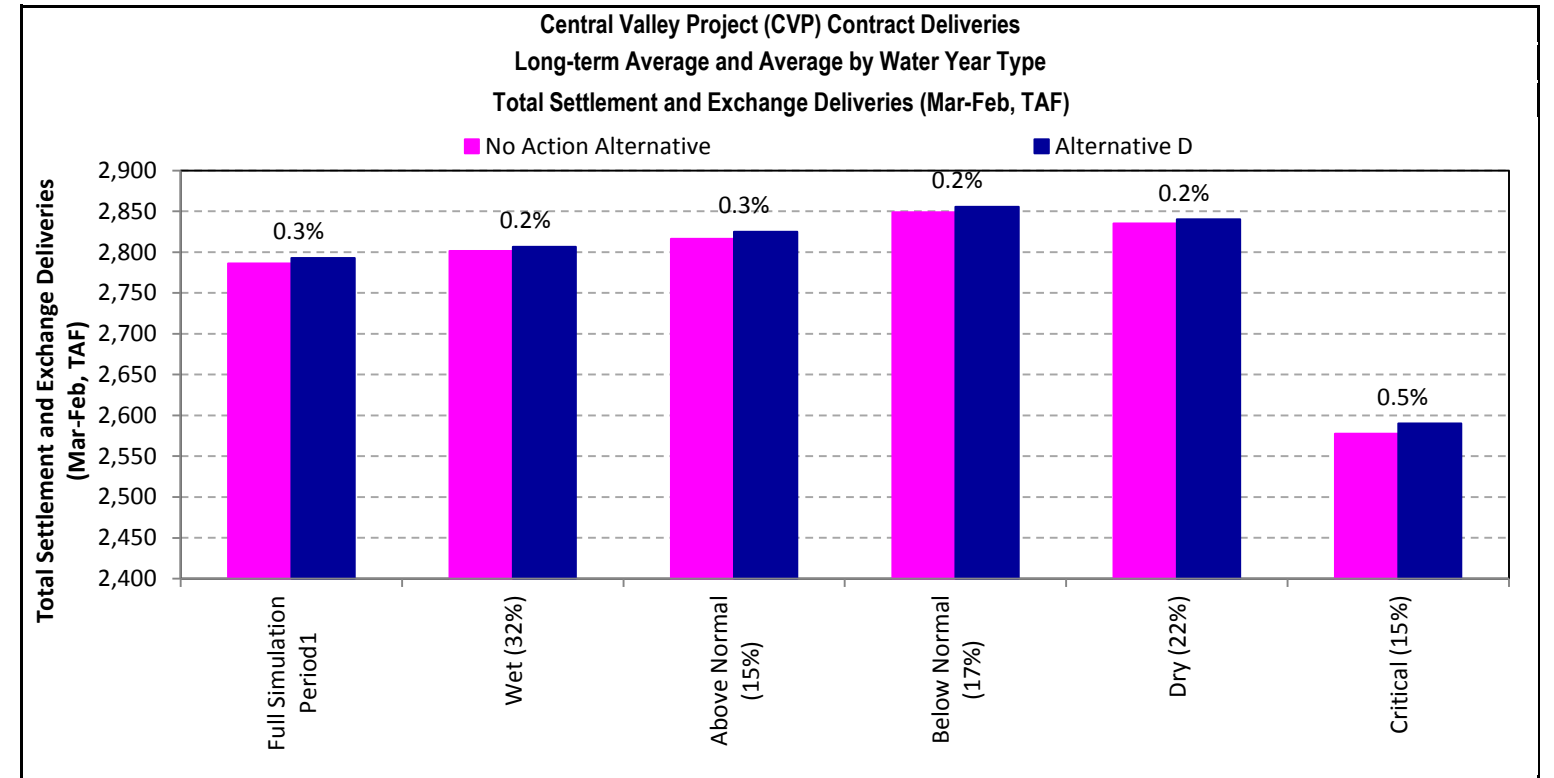
Central Valley Project (CVP) Contract Deliveries
Long-term Average and Average by Water Year Type

Analysis Period	Settlement Contract Allocation (EO May)	Exchange Contract Allocation (EO May)	Total Settlement and Exchange Deliveries (Mar-Feb, TAF)
Long-term			
Full Simulation Period¹			
No Action Alternative	97%	97%	2,786
Alternative D	97%	97%	2,793
Difference	0%	0%	7
Percent Difference ³			0.3%
Water Year Types²			
Wet (32%)			
No Action Alternative	100%	100%	2,801
Alternative D	100%	100%	2,807
Difference	0%	0%	5
Percent Difference			0.2%
Above Normal (15%)			
No Action Alternative	100%	100%	2,817
Alternative D	100%	100%	2,825
Difference	0%	0%	9
Percent Difference			0.3%
Below Normal (17%)			
No Action Alternative	100%	100%	2,849
Alternative D	100%	100%	2,856
Difference	0%	0%	7
Percent Difference			0.2%
Dry (22%)			
No Action Alternative	99%	99%	2,835
Alternative D	99%	99%	2,840
Difference	0%	0%	5
Percent Difference			0.2%
Critical (15%)			
No Action Alternative	83%	85%	2,578
Alternative D	83%	85%	2,590
Difference	0%	0%	12
Percent Difference			0.5%

¹ Based on the 82-year simulation period

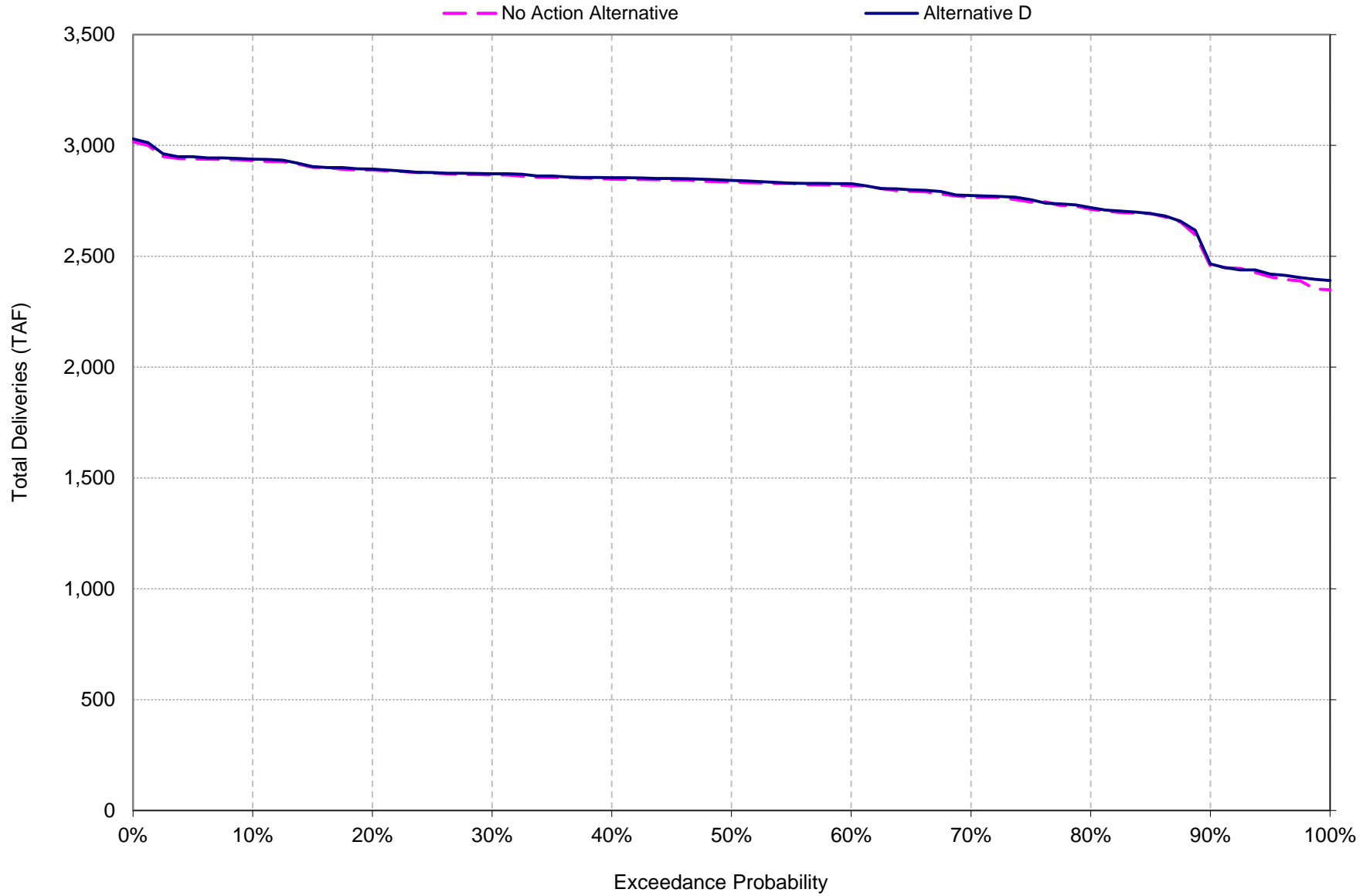
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-9i
Central Valley Project (CVP) Settlement and Exchange Contract Deliveries
Probability Exceedance Chart



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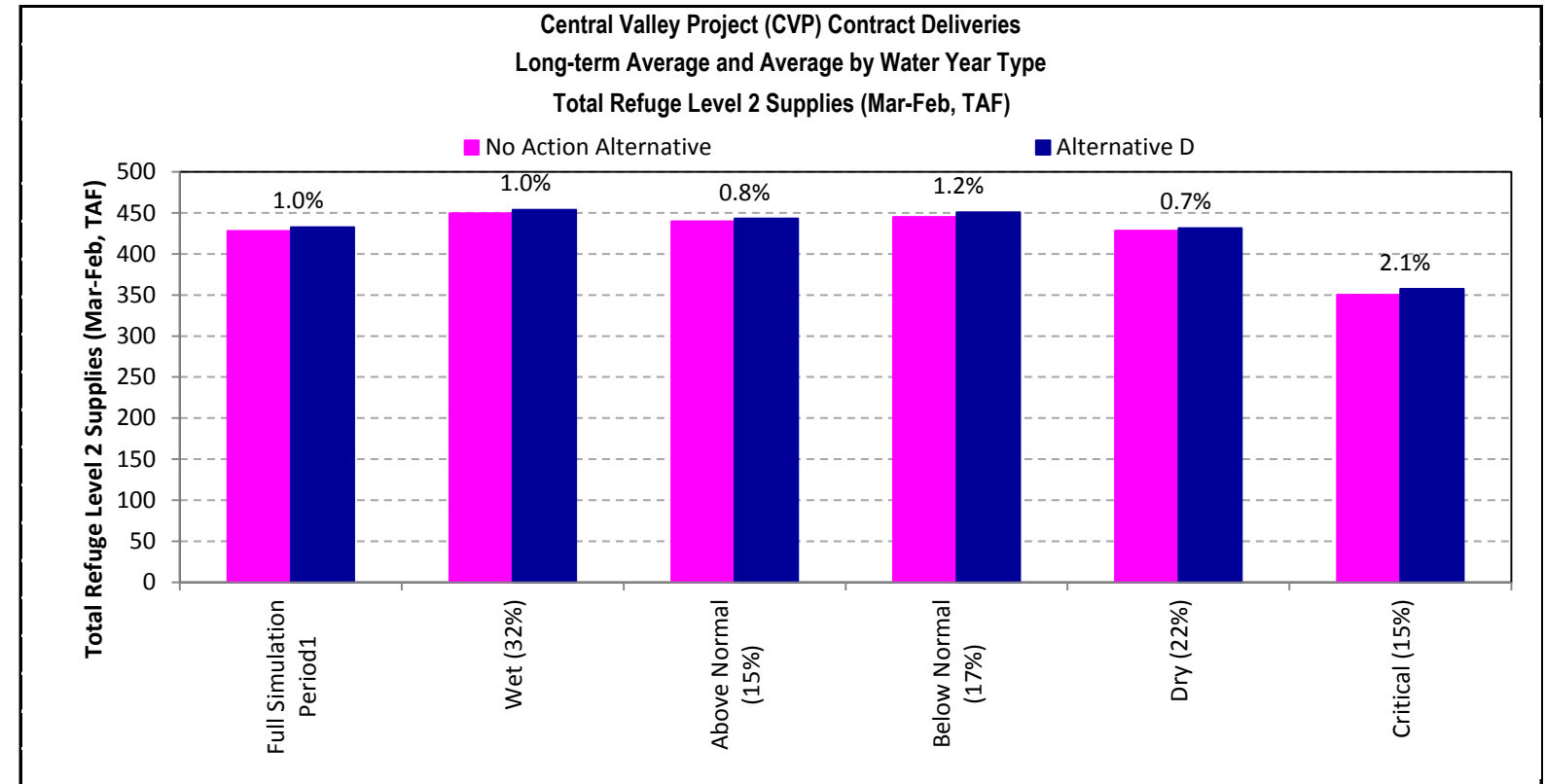
Table WS-CVP-9j

Central Valley Project (CVP) Contract Deliveries Long-term Average and Average by Water Year Type		
Analysis Period	Refuge Level 2 Contract Allocation (EO May)	Total Refuge Level 2 Supplies (Mar-Feb, TAF)
Long-term		
Full Simulation Period¹		
No Action Alternative	97%	428
Alternative D	97%	433
Difference	0%	4
Percent Difference ³		1.0%
Water Year Types²		
Wet (32%)		
No Action Alternative	100%	450
Alternative D	100%	454
Difference	0%	4
Percent Difference		1.0%
Above Normal (15%)		
No Action Alternative	100%	440
Alternative D	100%	443
Difference	0%	3
Percent Difference		0.8%
Below Normal (17%)		
No Action Alternative	100%	445
Alternative D	100%	451
Difference	0%	5
Percent Difference		1.2%
Dry (22%)		
No Action Alternative	99%	429
Alternative D	99%	431
Difference	0%	3
Percent Difference		0.7%
Critical (15%)		
No Action Alternative	83%	350
Alternative D	83%	357
Difference	0%	7
Percent Difference		2.1%

¹ Based on the 82-year simulation period

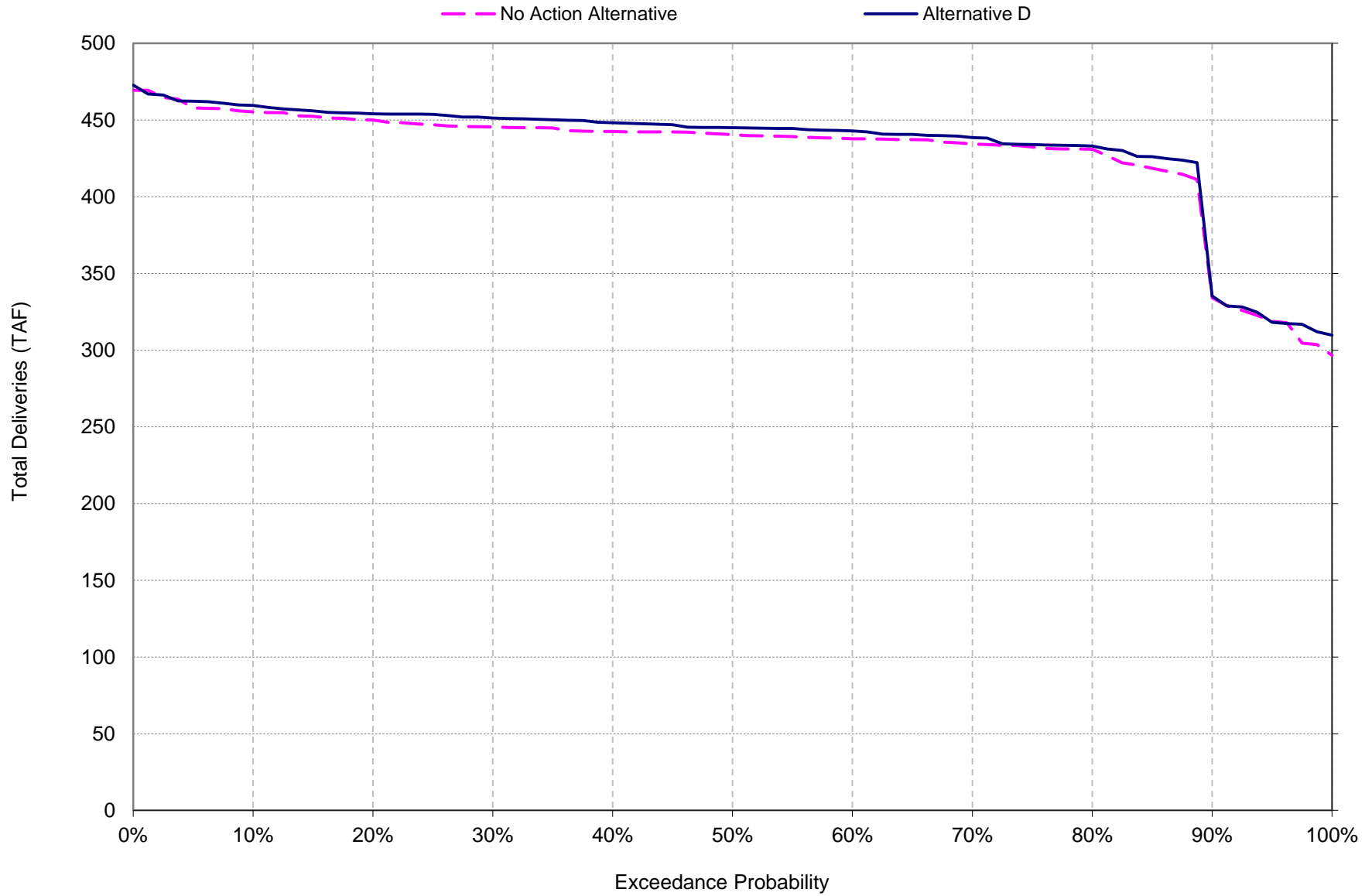
² As defined by the Sacramento Valley 40-30-30 Index Water Year Hydrologic Classification (SWRCB D-1641, 1999)

³ Relative difference of the monthly average



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Figure WS-CVP-9k
Central Valley Project (CVP) Refuge Level 2 Supplies
Probability Exceedance Chart



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Table WS-CVP-9I

Alternative D

Central Valley Project (CVP) Contract Deliveries

Sacramento Valley 40-30-30 Index

Year		
1922	2	AN
1923	3	BN
1924	5	C
1925	4	D
1926	4	D
1927	1	W
1928	2	AN
1929	5	C
1930	4	D
1931	5	C
1932	4	D
1933	5	C
1934	5	C
1935	3	BN
1936	3	BN
1937	3	BN
1938	1	W
1939	4	D
1940	2	AN
1941	1	W
1942	1	W
1943	1	W
1944	4	D
1945	3	BN
1946	3	BN
1947	4	D
1948	3	BN
1949	4	D
1950	3	BN
1951	2	AN
1952	1	W
1953	1	W
1954	2	AN
1955	4	D
1956	1	W
1957	2	AN
1958	1	W
1959	3	BN
1960	4	D
1961	4	D
1962	3	BN
1963	1	W
1964	4	D
1965	1	W
1966	3	BN
1967	1	W
1968	3	BN
1969	1	W
1970	1	W
1971	1	W
1972	3	BN
1973	2	AN
1974	1	W
1975	1	W
1976	5	C
1977	5	C
1978	2	AN
1979	3	BN
1980	2	AN
1981	4	D
1982	1	W
1983	1	W
1984	1	W
1985	4	D
1986	1	W
1987	4	D
1988	5	C
1989	4	D
1990	5	C
1991	5	C
1992	5	C
1993	2	AN
1994	5	C
1995	1	W
1996	1	W
1997	1	W
1998	1	W
1999	1	W
2000	2	AN
2001	4	D
2002	4	D

Sacramento River Hydrologic Region

Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Settlement (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	NODOS Local (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
357	249	2,025	166	2	26	0	2,825
237	217	2,003	169	2	26	72	2,654
21	147	1,792	106	0	21	218	2,087
195	193	1,865	161	0	28	94	2,442
40	166	1,880	150	0	28	180	2,264
357	245	1,976	158	1	26	0	2,764
191	201	1,976	153	1	26	99	2,548
0	133	2,045	141	0	27	174	2,348
58	164	1,952	153	0	28	175	2,355
31	160	1,765	99	0	21	222	2,075
44	152	1,765	117	0	21	217	2,100
5	127	1,774	125	0	21	96	2,051
25	142	1,717	101	0	21	162	2,006
45	165	1,895	167	0	28	177	2,299
130	189	1,942	176	1	27	134	2,464
123	205	1,953	192	1	27	138	2,501
357	240	1,954	178	1	26	0	2,757
124	187	2,154	145	1	27	138	2,638
303	249	1,917	152	1	27	32	2,649
329	248	1,806	172	1	27	0	2,583
349	240	1,857	173	1	27	0	2,647
280	243	1,980	171	1	26	45	2,703
93	191	1,967	152	1	27	156	2,432
217	215	1,929	173	1	26	83	2,562
292	238	2,069	170	1	27	39	2,796
154	179	1,998	167	1	27	120	2,525
264	226	1,742	162	1	27	39	2,422
230	215	1,995	164	1	26	75	2,632
116	203	2,026	169	1	27	143	2,542
341	247	1,987	164	1	26	10	2,766
357	246	1,962	179	1	27	0	2,771
353	238	1,965	169	1	27	1	2,752
357	246	1,902	164	1	26	0	2,696
161	190	2,018	159	1	27	116	2,556
357	245	1,997	174	2	26	0	2,801
243	233	1,980	164	1	27	68	2,648
336	243	1,844	181	1	27	0	2,632
237	222	2,087	157	2	26	71	2,731
113	175	1,980	160	1	27	144	2,456
166	178	1,983	152	0	28	113	2,507
252	238	2,014	163	1	27	62	2,695
341	243	1,834	174	1	27	0	2,619
129	194	2,075	159	1	27	135	2,584
271	238	1,952	164	1	27	51	2,652
313	242	2,068	160	1	27	26	2,811
338	241	1,818	177	1	26	0	2,602
229	224	1,955	173	1	26	76	2,609
357	248	1,999	181	1	27	0	2,814
242	231	2,010	168	1	26	69	2,678
322	242	2,066	163	1	27	21	2,821
184	203	2,074	174	1	27	103	2,663
356	252	1,978	166	1	27	0	2,780
353	239	1,925	180	1	27	0	2,724
357	240	2,000	171	1	27	0	2,796
37	152	2,138	173	2	26	176	2,528
18	123	1,741	107	0	21	209	2,010
356	245	1,931	162	2	26	0	2,721
207	211	1,972	173	1	27	89	2,591
295	247	1,970	170	1	26	37	2,711
262	247	1,922	170	1	27	56	2,629
328	252	1,829	181	1	27	0	2,617
338	256	1,825	185	1	27	0	2,632
336	253	2,063	176	1	27	12	2,856
247	224	1,998	162	1	26	65	2,659
225	211	1,988	170	2	26	78	2,622
81	189	2,030	144	0	27	164	2,471
0	132	2,004	143	0	28	189	2,307
70	169	1,980	153	0	28	167	2,401
0	132	2,019	145	0	28	182	2,324
40	163	1,730	114	0	21	221	2,068
54	166	1,722	107	0	21	213	2,070
247	238	1,892	167	1	26	65	2,572
217	202	1,745	118	0	21	123	2,303
353	243	1,899	175	1	27	0	2,697
343	241	1,862	164	1	26	0	2,637
282	226	2,058	159	1	27	45	2,752
312	249	1,783	186	1	27	0	2,558
357	224	1,975	164	1	26	0	2,747
339	227	1,897	153	2	26	0	2,644
115	192	1,958	149	1	26	143	2,441
249	240	2,062	160	0	28	64	2,738

San Joaquin River Hydrologic Region

Ag Service (Mar-Feb, TAF)	M&I Service (Mar-Feb, TAF)	Exchange (Mar-Feb, TAF)	Refuge L2 (Mar-Feb, TAF)	Refuge L4 - NODOS (Mar-Feb, TAF)	Refuge L4 - Acquisition (Mar-Feb, TAF)	Total (Mar-Feb, TAF)
489	20	875	269	51	38	1,741
259	15	875	269	51	38	1,506
36	11	674	202	0	66	989
325	16	875	269	0	89	1,573
68	12	875	269	0	89	1,313
378	17	875	269	49	40	1,628
215	15	875	269	51	38	1,463
0	10	875	269	21	68	1,242
96	13	875	269	2	87	1,341
52	12	674	202	0	66	1,006
75	12	674	202	0	66	1,029
8	10	674	202	0	66	960
42	11	674	202	0	66	995
68	12	875	269	0	89	1,313
222	15	875	269	35	54	1,469
204	15	875	269	49	40	1,452
610	20	875	269	51	38	1,862
196	15	875	269	26	63	1,444
287	15	875	269	44	45	1,534
530	20	875	269	51	38	1,782
509	17	875	269	51	38	1,759
479	20	875	269	51	38	1,731
159	15	875	269	51	38	1,407
365	17	875	269	51	38	1,614
357	17	875	269	51	38	1,606
258	15	875	269	40	49	1,505
164	15	875	269	51	38	1,411
306	15	875	269	51	38	1,553
195	15	875	269	51	38	1,442
378	17	875	269	51	38	1,628
608	20	875	269	51	38	1,860
232	15	875	269	51	38	1,480
251	13	875	269	51	38	1,496
274	15	875	269	51	38	1,521
502	20	875	269	51	38	1,755
155	15	875	269	51	38	1,402
604	20	875	269	51	38	1,856
187	15	875	269	51	38	1,434
190	15	875	269	51	38	1,437
266	13	875	269	2	87	1,511
248	15	875	269	49	40	1,495
315	15	875	269	51	38	1,563
221	15	875	269	51	38	1,468
453	17	875	269	51	38	1,702
240	15	875	269	51	38	1,487
609	20	875	269	51	38	1,861
188	15	875	269	51	38	1,435
610	20	875	269	51	38	1,862
377	17	875	269	51	38	1,627
196	15	875	269	51	38	1,443
245	15	875	269	51	38	1,492
338	16	875	269	51	38	1,586
525	17	875	269	51	38	1,775
367	15	875	269	51	38	1,614
64	12	875	269	51	38	1,308
31	11	674	202	0	66	983
575	20	875	269	49	40	1,827
340	16	875	269	51	38	1,588
504	20	875	269	51	38	1,756
228	15	875	269	51	38	1,475
609	20	875	269	51	38	1,861
610	20	875	269	51	38	1,862
378	17	875	269	51	38	1,628
281	15	875	269	51	38	1,528
379	17	875	269	51	38	1,629
133	14	875	269	23	66	1,380
0	10	875	269	2	87	1,242
115						

Table WS-CVP-9I

Alternative D

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region								San Joaquin River Hydrologic Region						San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region					
		Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
AVG:		219	211	1,941	159	1	26	79	2,557	293	16	852	261	38	48	1,508	36	290	326	605	12	9	11	638
MIN:		0	123	1,717	99	0	21	0	2,006	0	10	674	202	0	38	960	0	242	251	0	9	0	9	33
MAX:		357	256	2,154	192	2	28	222	2,856	610	20	875	269	51	89	1,862	75	396	432	1,278	12	12	21	1,311
DP:	29-34, 76-77 and 87-92	33	150	1,885	130	0	24	183	2,222	55	12	774	235	7	71	1,154	7	317	324	116	11	1	17	145
	W	328	241	1,932	173	1	27	12	2,701	472	18	875	269	50	38	1,723	58	271	329	969	12	12	9	1,002
	AN	308	239	1,950	162	1	26	28	2,687	351	17	875	269	50	39	1,600	43	268	311	734	12	12	9	768
	BN	203	214	1,981	170	1	27	89	2,596	234	15	875	269	46	43	1,482	29	284	313	491	12	11	10	524
	D	141	191	1,977	154	1	27	129	2,491	199	14	864	265	28	60	1,429	25	313	337	415	12	7	14	448
	C	37	148	1,849	123	0	23	182	2,181	58	11	741	224	6	68	1,107	7	327	334	121	10	1	16	148
Rank	Probability of Exceedence	357	256	2,154	192	2	28	222	2,856	610	20	875	269	51	89	1,862	75	396	432	1,278	12	12	21	1,311
1	0.0%	357	256	2,154	192	2	28	222	2,856	610	20	875	269	51	89	1,862	75	396	432	1,278	12	12	21	1,311
2	1.3%	357	253	2,138	186	2	28	221	2,825	610	20	875	269	51	89	1,862	75	386	410	1,278	12	12	21	1,311
3	2.5%	357	252	2,087	185	2	28	218	2,821	610	20	875	269	51	89	1,862	75	383	407	1,278	12	12	21	1,311
4	3.8%	357	252	2,075	181	2	28	217	2,814	609	20	875	269	51	89	1,861	75	373	403	1,276	12	12	21	1,309
5	5.0%	357	249	2,074	181	2	28	213	2,811	609	20	875	269	51	89	1,861	75	373	396	1,272	12	12	21	1,306
6	6.3%	357	249	2,069	181	2	28	209	2,801	608	20	875	269	51	87	1,860	75	368	396	1,266	12	12	21	1,299
7	7.5%	357	249	2,068	180	2	28	189	2,796	608	20	875	269	51	87	1,860	75	368	385	1,210	12	12	21	1,244
8	8.8%	357	248	2,066	179	2	28	182	2,796	604	20	875	269	51	87	1,856	75	355	378	1,200	12	12	21	1,233
9	10.0%	357	248	2,063	178	1	28	180	2,780	579	20	875	269	51	87	1,831	72	353	365	1,156	12	12	21	1,190
10	11.3%	356	247	2,062	177	1	27	177	2,771	575	20	875	269	51	68	1,827	72	347	356	1,144	12	12	18	1,178
11	12.5%	356	247	2,058	176	1	27	176	2,766	530	20	875	269	51	66	1,782	66	344	355	1,109	12	12	18	1,143
12	13.8%	353	247	2,045	176	1	27	175	2,764	525	20	875	269	51	66	1,775	64	343	355	1,089	12	12	16	1,123
13	15.0%	353	246	2,030	175	1	27	174	2,757	509	20	875	269	51	66	1,759	63	342	355	1,056	12	12	16	1,090
14	16.3%	353	246	2,026	174	1	27	167	2,752	504	20	875	269	51	66	1,756	62	334	355	1,052	12	12	16	1,085
15	17.5%	349	245	2,025	174	1	27	164	2,752	502	20	875	269	51	66	1,755	61	327	355	1,032	12	12	16	1,066
16	18.8%	343	245	2,019	174	1	27	162	2,747	489	17	875	269	51	66	1,741	60	327	355	1,022	12	12	16	1,056
17	20.0%	341	245	2,018	173	1	27	156	2,738	480	17	875	269	51	66	1,731	59	327	355	1,003	12	12	16	1,037
18	21.3%	341	243	2,014	173	1	27	144	2,731	479	17	875	269	51	66	1,730	59	326	355	939	12	12	16	973
19	22.5%	339	243	2,010	173	1	27	143	2,724	453	17	875	269	51	66	1,702	57	325	354	868	12	12	16	901
20	23.8%	338	243	2,004	173	1	27	143	2,721	432	17	875	269	51	66	1,681	53	324	354	856	12	12	16	889
21	25.0%	338	243	2,003	173	1	27	138	2,711	379	17	875	269	51	63	1,629	47	317	352	793	12	12	15	826
22	26.3%	336	242	2,000	172	1	27	138	2,703	378	17	875	269	51	64	1,628	46	316	351	792	12	12	13	826
23	27.5%	336	242	1,999	171	1	27	135	2,697	378	17	875	269	51	49	1,628	46	290	351	792	12	12	11	826
24	28.8%	329	241	1,998	171	1	27	134	2,696	378	17	875	269	51	45	1,628	46	288	350	790	12	12	11	823
25	30.0%	328	241	1,998	170	1	27	123	2,695	377	17	875	269	51	45	1,627	46	288	350	777	12	12	10	811
26	31.3%	322	240	1,997	170	1	27	120	2,678	367	17	875	269	51	40	1,614	45	284	350	761	12	12	9	795
27	32.5%	313	240	1,995	170	1	27	116	2,663	365	17	875	269	51	40	1,614	45	280	349	747	12	12	9	781
28	33.8%	312	240	1,988	170	1	27	113	2,659	357	16	875	269	51	40	1,606	44	280	348	729	12	12	9	763
29	35.0%	303	240	1,987	169	1	27	103	2,654	340	16	875	269	51	40	1,588	42	280	345	709	12	12	9	742
30	36.3%	295	239	1,983	169	1	27	99	2,652	338	16	875	269	51	40	1,587	42	280	344	707	12	12	9	741
31	37.5%	292	238	1,980	169	1	27	96	2,649	338	16	875	269	51	38	1,586	42	280	342	706	12	12	9	739
32	38.8%	282	238	1,980	168	1	27	94	2,648	334	16	875	269	51	38	1,583	42	280	341	698	12	12	9	731
33	40.0%	280	238	1,980	167	1	27	89	2,647	325	15	875	269	51	38	1,573	41	280	339	683	12	12	9	716
34	41.3%	271	238	1,980	167	1	27	83	2,644	315	15	875	269	51	38	1,563	39	280	339	659	12	12	9	693
35	42.5%	264	238	1,979	167	1	27	78	2,638	306	15	875	269	51	38	1,553	38	280	338	637	12	12	9	670
36	43.8%	262	233	1,976	166	1	27	76	2,637	304	15	875	269	51	38	1,552	38	280	332	637	12	12	9	670
37	45.0%	252	231	1,976	166	1	27	75	2,632	297	15	875	269	51	38	1,534	36	280	331	622	12	12	9	647
38	46.3%	249	227	1,975	164	1	27	72	2,632	287	15	875	269	51	38	1,528	36	280	327	601	12	12	9	634
39	47.5%	247	226	1,972	164	1	27	71	2,632	281	15	875	269	51	38	1,521	34	280	326	588	12	12	9	622
40	48.8%	247	226	1,970	164	1	27	69	2,629	274	15	875	269	51	38	1,511	34	280	324	575	12	12	9	608
41	50.0%	243	224	1,967	164	1	27	68	2,622	266	15	875	269	51	38	1,506	33	280	321	544	12	12	9	577
42	51.3%	242	224	1,965	164	1	27	65	2,619	259	15	875	269	51	38	1,505	32	279	318	543	12	12	9	576
43	52.5%	237	224	1,962	164	1	27	65	2,617	258	15	875	269	51	38	1,496	32	275	318	539	12	12	9	572
44	53.8%	237	222	1,958	164	1	27	64	2,609	251	15	875	269	51	38	1,495	31	274	317	519	12	12	9	553
45	55.0%	230	217	1,955	163	1	27	62	2,602	248	15	875	269	51	38	1,492	31	274	316	518	12	12	9	552
46	56.3%	229	215	1,954	163	1	27	56	2,591	245	15	875	269	51	38	1,487	30	274	315</					

Table WS-CVP-9m

			Alternative D							Alternative D						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	1,928	557	2,485	2,900	447	65	73	100%	80%	100%	100%	100%	100%	100%
1923	3	BN	1,071	493	1,564	2,878	450	65	73	66%	42%	91%	75%	100%	100%	100%
1924	5	C	138	486	624	2,465	317	0	103	6%	6%	56%	56%	75%	77%	75%
1925	4	D	1,244	488	1,732	2,740	442	0	137	56%	56%	81%	81%	100%	100%	100%
1926	4	D	260	520	781	2,755	431	0	137	11%	11%	61%	61%	100%	100%	100%
1927	1	W	1,574	526	2,100	2,851	439	62	75	100%	62%	100%	87%	100%	100%	100%
1928	2	AN	884	472	1,355	2,851	434	64	73	53%	35%	78%	75%	100%	100%	100%
1929	5	C	0	467	467	2,920	422	25	113	0%	0%	50%	50%	100%	100%	100%
1930	4	D	366	530	895	2,827	434	2	135	16%	16%	66%	66%	100%	100%	100%
1931	5	C	200	434	633	2,438	310	0	103	9%	9%	59%	59%	75%	77%	75%
1932	4	D	284	423	706	2,439	328	0	103	12%	12%	62%	62%	75%	77%	75%
1933	5	C	31	462	493	2,448	335	0	103	1%	1%	51%	51%	75%	77%	75%
1934	5	C	161	497	659	2,391	312	0	103	7%	7%	57%	57%	75%	77%	75%
1935	3	BN	267	420	687	2,770	448	0	137	13%	13%	63%	63%	100%	100%	100%
1936	3	BN	844	464	1,308	2,817	457	43	94	36%	36%	75%	75%	100%	100%	100%
1937	3	BN	780	479	1,259	2,828	473	62	75	35%	35%	75%	75%	100%	100%	100%
1938	1	W	2,320	540	2,860	2,828	460	64	73	100%	100%	100%	100%	100%	100%	100%
1939	4	D	755	585	1,340	3,029	426	33	105	36%	32%	75%	75%	100%	100%	100%
1940	2	AN	1,226	520	1,746	2,792	434	55	82	85%	47%	100%	75%	100%	100%	100%
1941	1	W	2,034	547	2,581	2,681	453	64	73	100%	88%	100%	100%	100%	100%	100%
1942	1	W	1,953	538	2,491	2,732	454	64	73	100%	83%	100%	100%	100%	100%	100%
1943	1	W	1,821	543	2,364	2,855	452	64	73	78%	78%	100%	100%	100%	100%	100%
1944	4	D	606	480	1,086	2,842	433	64	73	26%	26%	75%	75%	100%	100%	100%
1945	3	BN	1,388	505	1,893	2,804	454	64	73	61%	61%	86%	86%	100%	100%	100%
1946	3	BN	1,440	526	1,966	2,944	451	64	73	82%	59%	100%	84%	100%	100%	100%
1947	4	D	983	468	1,451	2,873	448	52	86	43%	43%	75%	75%	100%	100%	100%
1948	3	BN	793	498	1,291	2,617	443	64	74	78%	29%	100%	75%	100%	100%	100%
1949	4	D	1,211	506	1,717	2,870	445	64	73	64%	51%	89%	76%	100%	100%	100%
1950	3	BN	742	479	1,221	2,900	450	64	73	32%	32%	75%	75%	100%	100%	100%
1951	2	AN	1,558	536	2,093	2,862	445	64	73	95%	62%	100%	87%	100%	100%	100%
1952	1	W	2,312	546	2,857	2,837	460	64	73	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,100	501	1,601	2,839	450	64	73	100%	38%	100%	75%	100%	100%	100%
1954	2	AN	1,157	515	1,672	2,777	445	64	73	100%	41%	100%	75%	100%	100%	100%
1955	4	D	1,043	479	1,523	2,893	440	64	73	45%	45%	75%	75%	100%	100%	100%
1956	1	W	1,973	544	2,517	2,872	455	65	73	100%	82%	100%	100%	100%	100%	100%
1957	2	AN	741	504	1,245	2,854	445	64	73	68%	25%	93%	75%	100%	100%	100%
1958	1	W	2,280	543	2,823	2,719	462	64	73	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	837	610	1,447	2,962	438	64	73	66%	31%	91%	75%	100%	100%	100%
1960	4	D	725	516	1,241	2,855	441	64	73	32%	32%	75%	75%	100%	100%	100%
1961	4	D	1,009	465	1,474	2,858	433	2	135	46%	44%	75%	75%	100%	100%	100%
1962	3	BN	1,050	626	1,676	2,889	444	62	76	71%	41%	96%	75%	100%	100%	100%
1963	1	W	1,354	509	1,863	2,708	455	64	73	100%	52%	100%	77%	100%	100%	100%
1964	4	D	839	535	1,375	2,950	440	64	73	36%	36%	75%	75%	100%	100%	100%
1965	1	W	1,649	528	2,177	2,827	445	64	73	79%	79%	100%	100%	100%	100%	100%
1966	3	BN	1,086	518	1,603	2,943	441	64	73	88%	39%	100%	75%	100%	100%	100%
1967	1	W	2,298	541	2,839	2,693	458	64	73	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	834	594	1,428	2,829	454	64	73	64%	31%	89%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,874	462	64	73	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,455	511	1,967	2,884	449	64	73	68%	62%	93%	87%	100%	100%	100%
1971	1	W	952	505	1,457	2,941	445	64	73	90%	32%	100%	75%	100%	100%	100%
1972	3	BN	972	479	1,452	2,949	455	64	74	51%	40%	76%	75%	100%	100%	100%
1973	2	AN	1,441	531	1,972	2,853	447	64	73	100%	55%	100%	80%	100%	100%	100%
1974	1	W	2,031	537	2,568	2,800	461	64	73	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,498	515	2,013	2,875	452	64	74	100%	60%	100%	85%	100%	100%	100%
1976	5	C	243	511	754	3,012	454	65	73	10%	10%	60%	60%	100%	100%	100%
1977	5	C	116	468	584	2,414	318	0	103	5%	5%	55%	55%	75%	77%	75%
1978	2	AN	2,203	549	2,752	2,805	443	63	75	100%	96%	100%	100%	100%	100%	100%
1979	3	BN	1,298	496	1,794	2,847	454	64	74	58%	57%	83%	82%	100%	100%	100%
1980	2	AN	1,918	555	2,473	2,845	451	64	73	83%	83%	100%	100%	100%	100%	100%
1981	4	D	994	630	1,624	2,797	451	64	74	73%	37%	98%	75%	100%	100%	100%
1982	1	W	2,168	552	2,720	2,704	462	64	74	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,700	466	64	74	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,539	533	2,072	2,938	457	64	74	94%	62%	100%	87%	100%	100%	100%
1985	4	D	1,151	513	1,664	2,873	443	64	73	69%	46%	94%	75%	100%	100%	100%
1986	1	W	1,443	491	1,934	2,862	451	65	73	63%	63%	88%	88%	100%	100%	100%
1987	4	D	508	571	1,079	2,905	425	27	111	23%	23%	73%	73%	100%	100%	100%
1988	5	C	0	458	458	2,879	424	2	135	0%	0%	50%	50%	100%	100%	100%
1989	4	D	438	447	885	2,855	434	0	137	20%	20%	70%	70%	100%	100%	100%
1990	5	C	0	459	459	2,894	426	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	519	775	2,404	325	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	351	469	820	2,396	317	0	103	15%	15%	65%	65%	75%	77%	75%
1993	2	AN	1,321	517	1,838	2,767	448	62	75	69%	56%	94%	81%	100%	100%	100%
1994	5	C	1,172	613	1,785	2,419	329	0	103	61%	48%	86%	75%	75%	77%	75%
1995	1	W	2,214	543	2,757	2,774	456	64	74	100%	96%	100%	100%	100%	100%	100%
1996	1	W	1,684	531	2,216	2,736	445	64	73	100%	71%	100%	96%	100%	100%	100%
1997	1	W	1,761	523	2,284	2,933	440	55	82	79%	79%	100%	100%	100%	100%	100%
1998	1	W	2,139	549	2,688	2,658	467	64	74	100%	100%	100%	100%	100%	100%	100%
1999	1	W	1,336	487	1,823	2,849	445	64	73	100%	50%	100%	75%	100%	100%	100%
2000	2	AN	1,427	506	1,932	2,771	434	65	73	100%	56%	100%	81%	100%	100%	100%
2001	4	D	739	583	1,322	2,833	430	64	73	32%	32%	75%	75%	100%	100%	100%
2002	4	D	864	581	1,445	2,937	441	2	135	70%	31%	95%	75%	100%	100%	100%

Table WS-CVP-9m

Alternative D									Alternative D						
Central Valley Project (CVP) Contract Deliveries									Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,153	517	1,671	2,793	433	48	86	62%	48%	86%	79%	97%	97%	97%
MIN:		0	420	458	2,391	310	0	73	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	630	2,868	3,029	473	65	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	211	480	691	2,659	376	9	112	9%	9%	59%	59%	88%	88%	88%
AVG:	W	1,827	530	2,358	2,807	454	64	74	94%	78%	99%	94%	100%	100%	100%
	AN	1,437	524	1,960	2,825	443	63	74	87%	58%	97%	84%	100%	100%	100%
	BN	957	513	1,471	2,856	451	58	80	57%	39%	86%	76%	100%	100%	100%
	D	779	518	1,297	2,840	431	35	100	39%	33%	77%	73%	99%	99%	99%
	C	222	487	709	2,590	357	8	107	10%	9%	58%	57%	83%	85%	83%
Rank	Probability of Exceedence														
1	0.0%	2,320	630	2,868	3,029	473	65	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	626	2,860	3,012	467	65	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,312	613	2,857	2,962	466	65	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	610	2,857	2,950	462	65	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,298	594	2,839	2,949	462	65	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,280	593	2,823	2,944	462	65	135	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,214	585	2,757	2,943	461	64	135	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,203	581	2,752	2,941	460	64	135	100%	100%	100%	100%	100%	100%	100%
9	10.0%	2,168	571	2,720	2,938	460	64	135	100%	96%	100%	100%	100%	100%	100%
10	11.3%	2,139	557	2,688	2,937	458	64	113	100%	96%	100%	100%	100%	100%	100%
11	12.5%	2,034	556	2,581	2,933	457	64	111	100%	88%	100%	100%	100%	100%	100%
12	13.8%	2,031	555	2,568	2,920	457	64	105	100%	86%	100%	100%	100%	100%	100%
13	15.0%	1,973	552	2,517	2,905	456	64	103	100%	83%	100%	100%	100%	100%	100%
14	16.3%	1,953	549	2,491	2,900	455	64	103	100%	83%	100%	100%	100%	100%	100%
15	17.5%	1,928	549	2,485	2,900	455	64	103	100%	82%	100%	100%	100%	100%	100%
16	18.8%	1,918	548	2,473	2,894	455	64	103	100%	80%	100%	100%	100%	100%	100%
17	20.0%	1,821	547	2,364	2,893	454	64	103	100%	79%	100%	100%	100%	100%	100%
18	21.3%	1,761	546	2,284	2,889	454	64	103	100%	79%	100%	100%	100%	100%	100%
19	22.5%	1,684	544	2,216	2,884	454	64	103	100%	78%	100%	100%	100%	100%	100%
20	23.8%	1,649	543	2,177	2,879	454	64	103	100%	71%	100%	96%	100%	100%	100%
21	25.0%	1,574	543	2,100	2,878	454	64	103	100%	63%	100%	88%	100%	100%	100%
22	26.3%	1,558	543	2,093	2,875	453	64	94	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,539	541	2,072	2,874	452	64	86	100%	62%	100%	87%	100%	100%	100%
24	28.8%	1,498	540	2,013	2,873	452	64	82	100%	62%	100%	87%	100%	100%	100%
25	30.0%	1,455	538	1,972	2,873	451	64	82	95%	62%	100%	87%	100%	100%	100%
26	31.3%	1,443	537	1,967	2,872	451	64	76	94%	61%	100%	86%	100%	100%	100%
27	32.5%	1,441	536	1,966	2,870	451	64	75	90%	60%	100%	85%	100%	100%	100%
28	33.8%	1,440	535	1,934	2,862	451	64	75	88%	59%	100%	84%	100%	100%	100%
29	35.0%	1,427	533	1,932	2,862	450	64	75	85%	57%	100%	82%	100%	100%	100%
30	36.3%	1,388	531	1,893	2,858	450	64	75	83%	56%	100%	81%	100%	100%	100%
31	37.5%	1,354	531	1,863	2,855	450	64	74	82%	56%	100%	81%	100%	100%	100%
32	38.8%	1,336	530	1,838	2,855	449	64	74	79%	56%	100%	81%	100%	100%	100%
33	40.0%	1,321	528	1,823	2,855	448	64	74	79%	55%	100%	80%	100%	100%	100%
34	41.3%	1,298	526	1,794	2,854	448	64	74	78%	52%	100%	77%	100%	100%	100%
35	42.5%	1,244	526	1,785	2,853	448	64	74	78%	51%	100%	76%	100%	100%	100%
36	43.8%	1,226	523	1,746	2,851	447	64	74	73%	50%	98%	75%	100%	100%	100%
37	45.0%	1,211	520	1,732	2,851	447	64	74	71%	48%	96%	75%	100%	100%	100%
38	46.3%	1,172	520	1,717	2,849	445	64	74	70%	47%	95%	75%	100%	100%	100%
39	47.5%	1,157	519	1,676	2,847	445	64	74	69%	46%	94%	75%	100%	100%	100%
40	48.8%	1,151	518	1,672	2,845	445	64	74	69%	45%	94%	75%	100%	100%	100%
41	50.0%	1,100	517	1,664	2,842	445	64	73	68%	44%	93%	75%	100%	100%	100%
42	51.3%	1,086	516	1,624	2,839	445	64	73	68%	43%	93%	75%	100%	100%	100%
43	52.5%	1,071	515	1,603	2,837	445	64	73	66%	42%	91%	75%	100%	100%	100%
44	53.8%	1,050	515	1,601	2,833	445	64	73	66%	41%	91%	75%	100%	100%	100%
45	55.0%	1,043	513	1,564	2,829	445	64	73	64%	41%	89%	75%	100%	100%	100%
46	56.3%	1,009	511	1,523	2,828	444	64	73	64%	40%	89%	75%	100%	100%	100%
47	57.5%	994	511	1,474	2,828	443	64	73	63%	39%	88%	75%	100%	100%	100%
48	58.8%	983	509	1,457	2,827	443	64	73	61%	38%	86%	75%	100%	100%	100%
49	60.0%	972	506	1,452	2,827	443	64	73	61%	37%	86%	75%	100%	100%	100%
50	61.3%	952	506	1,451	2,817	442	64	73	58%	36%	83%	75%	100%	100%	100%
51	62.5%	884	505	1,447	2,805	441	64	73	56%	36%	81%	75%	100%	100%	100%
52	63.8%	864	505	1,445	2,804	441	63	73	53%	35%	78%	75%	100%	100%	100%
53	65.0%	844	504	1,428	2,800	441	62	73	51%	35%	76%	75%	100%	100%	100%
54	66.3%	839	501	1,375	2,797	440	62	73	46%	32%	75%	75%	100%	100%	100%
55	67.5%	837	498	1,355	2,792	440	62	73	45%	32%	75%	75%	100%	100%	100%
56	68.8%	834	497	1,340	2,777	440	62	73	43%	32%	75%	75%	100%	100%	100%
57	70.0%	793	496	1,332	2,774	439	55	73	36%	32%	75%	75%	100%	100%	100%
58	71.3%	780	493	1,308	2,771	438	55	73	36%	32%	75%	75%	100%	100%	100%
59	72.5%	755	491	1,291	2,770	434	52	73	36%	31%	75%	75%	100%	100%	100%
60	73.8%	742	488	1,259	2,767	434	43	73	35%	31%	75%	75%	100%	100%	100%
61	75.0%	741	487	1,245	2,755	434	33	73	32%	31%	75%	75%	100%	100%	100%
62	76.3%	739	486	1,241	2,740	434	27	73	32%	29%	75%	75%	100%	100%	100%
63	77.5%	725	480	1,221	2,736	434	25	73	32%	26%	75%	75%	100%	100%	100%
64	78.8%	606	479	1,086	2,732	433	2	73	26%	25%	75%	75%	100%	100%	100%
65	80.0%	508	479	1,079	2,719	433	2	73	23%	23%	73%	73%	100%	100%	100%
66	81.3%	438	479	895	2,708	431	2	73	20%	20%	70%	70%	100%	100%	100%
67	82.5%	366	479	885	2,704	430	2	73	16%	16%	66%	66%	100%	100%	100%
68	83.8%	351	472	820	2,700	426	0	73	15%	15%	65%	65%	100%	100%	100%
69	85.0%	284	469	781	2,693	426	0	73	13%	13%	63%	63%	100%	100%	100%
70	86.3%	267	468	775	2,6										

Table WS-CVP-9n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Sacramento Valley 40-30-30 Index

Sacramento River Hydrologic Region

San Joaquin River Hydrologic Region

San Francisco Bay Hydrologic Region

Tulare Lake Hydrologic Region

Year	Index	Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
1922	2 AN	357	249	2,025	161	0	28	0	2,821
1923	3 BN	214	205	2,007	159	0	28	0	2,613
1924	5 C	25	149	1,772	108	0	21	0	2,075
1925	4 D	203	196	1,870	159	0	28	0	2,456
1926	4 D	52	173	1,880	146	0	28	0	2,278
1927	1 W	357	250	1,976	157	0	28	0	2,767
1928	2 AN	174	194	1,954	151	0	28	0	2,501
1929	5 C	0	133	2,041	134	0	28	0	2,336
1930	4 D	42	156	1,943	153	0	28	0	2,322
1931	5 C	29	159	1,774	86	0	21	0	2,069
1932	4 D	43	152	1,753	123	0	21	0	2,093
1933	5 C	5	132	1,783	112	0	21	0	2,052
1934	5 C	27	144	1,675	93	0	21	0	1,959
1935	3 BN	73	179	1,891	166	0	28	0	2,337
1936	3 BN	152	189	1,942	175	0	28	0	2,486
1937	3 BN	108	205	1,956	184	0	28	0	2,480
1938	1 W	357	236	1,949	174	0	28	0	2,744
1939	4 D	88	187	2,141	150	0	28	0	2,593
1940	2 AN	306	249	1,906	161	0	28	0	2,650
1941	1 W	329	247	1,802	169	0	28	0	2,574
1942	1 W	349	240	1,854	164	0	28	0	2,635
1943	1 W	267	246	1,982	161	0	28	0	2,683
1944	4 D	73	182	1,961	153	0	28	0	2,397
1945	3 BN	180	195	1,918	174	0	28	0	2,495
1946	3 BN	303	238	2,066	164	0	28	0	2,799
1947	4 D	138	179	1,992	161	0	28	0	2,498
1948	3 BN	294	229	1,722	161	0	28	0	2,434
1949	4 D	232	217	1,992	150	0	28	0	2,618
1950	3 BN	95	196	2,018	172	0	28	0	2,508
1951	2 AN	328	247	1,970	157	0	28	0	2,730
1952	1 W	357	240	1,957	174	0	28	0	2,756
1953	1 W	352	238	1,964	157	0	28	0	2,738
1954	2 AN	337	246	1,897	155	0	28	0	2,662
1955	4 D	111	190	2,003	150	0	28	0	2,482
1956	1 W	357	244	1,994	164	0	28	0	2,786
1957	2 AN	241	232	1,972	156	0	28	0	2,629
1958	1 W	336	243	1,837	176	0	28	0	2,620
1959	3 BN	226	212	2,062	141	0	28	0	2,670
1960	4 D	104	179	1,978	154	0	28	0	2,443
1961	4 D	186	195	1,973	150	0	28	0	2,532
1962	3 BN	238	237	2,014	158	0	28	0	2,675
1963	1 W	341	243	1,829	164	0	28	0	2,604
1964	4 D	90	194	2,063	165	0	28	0	2,540
1965	1 W	260	240	1,947	162	0	28	0	2,637
1966	3 BN	307	242	2,057	162	0	28	0	2,795
1967	1 W	338	241	1,817	161	0	28	0	2,585
1968	3 BN	224	221	1,946	156	0	28	0	2,575
1969	1 W	357	248	2,000	177	0	28	0	2,810
1970	1 W	220	219	1,987	159	0	28	0	2,612
1971	1 W	309	248	2,061	167	0	28	0	2,813
1972	3 BN	172	202	2,075	157	0	28	0	2,633
1973	2 AN	334	252	1,972	165	0	28	0	2,751
1974	1 W	353	240	1,921	170	0	28	0	2,712
1975	1 W	357	240	1,994	170	0	28	0	2,789
1976	5 C	24	148	2,125	158	0	28	0	2,482
1977	5 C	14	128	1,679	94	0	21	0	1,936
1978	2 AN	356	245	1,931	159	0	28	0	2,718
1979	3 BN	173	196	1,962	171	0	28	0	2,530
1980	2 AN	270	243	1,970	166	0	28	0	2,677
1981	4 D	248	241	1,916	160	0	28	0	2,593
1982	1 W	328	251	1,822	188	0	28	0	2,617
1983	1 W	338	256	1,820	188	0	28	0	2,630
1984	1 W	316	253	2,053	164	0	28	0	2,814
1985	4 D	238	220	1,997	162	0	28	0	2,644
1986	1 W	212	208	1,981	169	0	28	0	2,598
1987	4 D	76	181	2,026	136	0	28	0	2,446
1988	5 C	0	128	2,011	130	0	28	0	2,297
1989	4 D	87	177	1,979	157	0	28	0	2,428
1990	5 C	0	135	2,014	137	0	28	0	2,313
1991	5 C	40	167	1,721	115	0	21	0	2,064
1992	5 C	57	157	1,716	107	0	21	0	2,058
1993	2 AN	228	229	1,891	160	0	28	0	2,537
1994	5 C	212	201	1,734	118	0	21	0	2,285
1995	1 W	353	238	1,890	176	0	28	0	2,685
1996	1 W	343	241	1,853	165	0	28	0	2,629
1997	1 W	257	225	2,052	167	0	28	0	2,730
1998	1 W	312	257	1,780	183	0	28	0	2,560
1999	1 W	357	224	1,969	152	0	28	0	2,731
2000	2 AN	339	231	1,871	153	0	28	0	2,622
2001	4 D	93	192	1,954	140	0	28	0	2,407
2002	4 D	248	239	2,064	157	0	28	0	2,736

Year	Index	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
1922	2 AN	527	20	875	269	0	89	1,779
1923	3 BN	259	15	875	269	0	89	1,506
1924	5 C	43	11	674	202	0	66	996
1925	4 D	327	16	875	269	0	89	1,575
1926	4 D	89	13	875	269	0	89	1,334
1927	1 W	361	17	875	269	0	89	1,610
1928	2 AN	232	15	875	269	0	89	1,479
1929	5 C	0	10	875	269	0	89	1,242
1930	4 D	70	12	875	269	0	89	1,314
1931	5 C	49	12	674	202	0	66	1,002
1932	4 D	74	12	674	202	0	66	1,028
1933	5 C	8	10	674	202	0	66	960
1934	5 C	47	12	674	202	0	66	1,000
1935	3 BN	112	14	875	269	0	89	1,358
1936	3 BN	260	15	875	269	0	89	1,507
1937	3 BN	178	15	875	269	0	89	1,425
1938	1 W	610	20	875	269	0	89	1,862
1939	4 D	150	15	875	269	0	89	1,398
1940	2 AN	281	15	875	269	0	89	1,529
1941	1 W	509	20	875	269	0	89	1,761
1942	1 W	519	17	875	269	0	89	1,769
1943	1 W	455	20	875	269	0	89	1,707
1944	4 D	125	14	875	269	0	89	1,371
1945	3 BN	304	15	875	269	0	89	1,551
1946	3 BN	379	17	875	269	0	89	1,629
1947	4 D	232	15	875	269	0	89	1,479
1948	3 BN	212	15	875	269	0	89	1,459
1949	4 D	333	16	875	269	0	89	1,582
1950	3 BN	161	15	875	269	0	89	1,408
1951	2 AN	379	17	875	269	0	89	1,629
1952	1 W	607	20	875	269	0	89	1,859
1953	1 W	251	15	875	269	0	89	1,498
1954	2 AN	251	13	875	269	0	89	1,496
1955	4 D	190	15	875	269	0	89	1,437
1956	1 W	504	20	875	269	0	89	1,756
1957	2 AN	198	15	875	269	0	89	1,445
1958	1 W	603	20	875	269	0	89	1,855
1959	3 BN	195	15	875	269	0	89	1,442
1960	4 D	174	15	875	269	0	89	1,421
1961	4 D	311	13	875	269	0	89	1,556
1962	3 BN	217	15	875	269	0	89	1,464
1963	1 W	341	16	875	269	0	89	1,590
1964	4 D	154	15	875	269	0	89	1,401
1965	1 W	437	17	875	269	0	89	1,686
1966	3 BN	253	15	875	269	0	89	1,500
1967	1 W	610	20	875	269	0	89	1,862
1968	3 BN	217	15	875	269	0	89	1,464
1969	1 W	610	20	875	269	0	89	1,862
1970	1 W	347	14	875	269	0	89	1,593
1971	1 W	201	15	875	269	0	89	1,448
1972	3 BN	251	15	875	269	0	89	1,498
1973	2 AN	335	16	875	269	0	89	1,583
1974	1 W	527	20	875	269	0	89	1,779
1975	1 W	381	15	875	269	0	89	1,628
1976	5 C	40	11	875	269	0	89	1,284
1977	5 C	25	11	674	202	0	66	977
1978	2 AN	569	20	875	269	0	89	1,821
1979	3 BN	290	15	875	269	0	89	1,537
1980	2 AN	460	20	875	269	0	89	1,713
1981	4 D	244	15	875	269	0	89	1,492
1982	1 W	609	20	875	269	0	89	1,861
1983	1 W	610	20	875	269	0	89	1,862
1984	1 W	380	17	875	269	0	89	

Table WS-CVP-9n

No Action Alternative

Central Valley Project (CVP) Contract Deliveries

Year	Sacramento Valley 40-30-30 Index	Sacramento River Hydrologic Region							San Joaquin River Hydrologic Region						San Francisco Bay Hydrologic Region			Tulare Lake Hydrologic Region						
		Ag Service	M&I Service	Settlement	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	NODOS Local	Total	Ag Service	M&I Service	Exchange	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total	Ag Service	M&I Service	Total	Ag Service	Refuge L2	Refuge L4 - NODOS	Refuge L4 - Acquisition	Total
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)
AVG:		213	211	1,934	155	0	27	0	2,539	290	16	852	261	0	86	1,506	36	290	326	599	12	0	20	632
MIN:		0	128	1,675	86	0	21	0	1,936	0	10	674	202	0	66	960	0	247	265	0	9	0	16	33
MAX:		357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
DP:	29-34, 76-77 and 87-92	32	150	1,874	124	0	24	0	2,204	53	12	774	235	0	78	1,152	7	317	324	109	11	0	18	138
AVG:	W	323	241	1,927	168	0	28	0	2,687	470	18	875	269	0	89	1,721	58	271	329	968	12	0	21	1,001
	AN	297	238	1,942	159	0	28	0	2,663	353	17	875	269	0	89	1,601	43	266	309	730	12	0	21	764
	BN	197	210	1,974	164	0	28	0	2,574	235	15	875	269	0	89	1,482	29	284	313	491	12	0	21	525
	D	131	192	1,971	151	0	27	0	2,473	188	14	864	265	0	87	1,419	23	312	335	390	12	0	21	423
	C	36	148	1,837	116	0	23	0	2,161	60	11	741	224	0	74	1,109	7	327	334	122	10	0	18	150
Rank	Probability of Exceedence	357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
1	0.0%	357	257	2,141	188	0	28	0	2,821	610	20	875	269	0	89	1,862	75	395	431	1,278	12	0	21	1,311
2	1.3%	357	256	2,125	188	0	28	0	2,814	610	20	875	269	0	89	1,862	75	386	405	1,278	12	0	21	1,311
3	2.5%	357	253	2,075	184	0	28	0	2,813	610	20	875	269	0	89	1,862	75	382	401	1,278	12	0	21	1,311
4	3.8%	357	252	2,066	183	0	28	0	2,810	610	20	875	269	0	89	1,862	75	373	399	1,278	12	0	21	1,311
5	5.0%	357	251	2,064	177	0	28	0	2,799	609	20	875	269	0	89	1,861	75	373	398	1,271	12	0	21	1,304
6	6.3%	357	250	2,063	176	0	28	0	2,795	608	20	875	269	0	89	1,860	75	368	397	1,263	12	0	21	1,296
7	7.5%	357	249	2,062	176	0	28	0	2,789	607	20	875	269	0	89	1,859	75	366	382	1,226	12	0	21	1,260
8	8.8%	357	249	2,061	175	0	28	0	2,786	603	20	875	269	0	89	1,855	75	355	381	1,187	12	0	21	1,220
9	10.0%	356	248	2,057	174	0	28	0	2,767	587	20	875	269	0	89	1,839	73	348	357	1,148	12	0	21	1,182
10	11.3%	353	248	2,053	174	0	28	0	2,756	569	20	875	269	0	89	1,821	71	346	356	1,144	12	0	21	1,178
11	12.5%	353	247	2,052	174	0	28	0	2,751	527	20	875	269	0	89	1,779	65	344	356	1,103	12	0	21	1,136
12	13.8%	352	247	2,041	172	0	28	0	2,744	527	20	875	269	0	89	1,779	65	343	355	1,102	12	0	21	1,135
13	15.0%	349	246	2,026	171	0	28	0	2,738	519	20	875	269	0	89	1,769	64	342	355	1,070	12	0	21	1,103
14	16.3%	343	246	2,025	170	0	28	0	2,736	509	20	875	269	0	89	1,761	63	333	355	1,066	12	0	21	1,100
15	17.5%	341	245	2,018	170	0	28	0	2,731	504	20	875	269	0	89	1,756	62	329	355	1,055	12	0	21	1,088
16	18.8%	339	244	2,014	169	0	28	0	2,730	460	20	875	269	0	89	1,713	57	327	355	965	12	0	21	998
17	20.0%	338	243	2,014	169	0	28	0	2,730	455	19	875	269	0	89	1,707	56	327	355	953	12	0	21	987
18	21.3%	338	243	2,011	167	0	28	0	2,718	439	17	875	269	0	89	1,691	55	325	355	921	12	0	21	954
19	22.5%	337	243	2,007	167	0	28	0	2,712	437	17	875	269	0	89	1,686	54	325	354	918	12	0	21	951
20	23.8%	336	242	2,003	166	0	28	0	2,685	437	17	875	269	0	89	1,686	54	324	353	878	12	0	21	911
21	25.0%	334	241	2,000	166	0	28	0	2,683	381	17	875	269	0	89	1,629	47	317	353	795	12	0	21	828
22	26.3%	329	241	1,997	165	0	28	0	2,677	380	17	875	269	0	89	1,629	47	316	352	795	12	0	21	828
23	27.5%	328	241	1,994	165	0	28	0	2,675	379	17	875	269	0	89	1,629	47	291	352	756	12	0	21	790
24	28.8%	328	240	1,994	165	0	28	0	2,670	379	17	875	269	0	89	1,628	47	288	350	756	12	0	21	789
25	30.0%	316	240	1,992	164	0	28	0	2,662	361	17	875	269	0	89	1,610	44	288	347	749	12	0	21	782
26	31.3%	312	240	1,992	164	0	28	0	2,650	358	16	875	269	0	89	1,607	44	285	347	719	12	0	21	752
27	32.5%	309	240	1,987	164	0	28	0	2,644	347	16	875	269	0	89	1,593	43	281	346	716	12	0	21	749
28	33.8%	307	240	1,982	164	0	28	0	2,637	341	16	875	269	0	89	1,590	42	280	345	714	12	0	21	748
29	35.0%	306	239	1,981	164	0	28	0	2,635	340	16	875	269	0	89	1,583	42	280	344	700	12	0	21	728
30	36.3%	303	238	1,979	162	0	28	0	2,633	335	16	875	269	0	89	1,582	41	280	344	695	12	0	21	727
31	37.5%	294	238	1,978	162	0	28	0	2,630	333	16	875	269	0	89	1,580	41	280	342	693	12	0	21	725
32	38.8%	270	238	1,976	162	0	28	0	2,629	332	16	875	269	0	89	1,577	41	280	341	689	12	0	21	721
33	40.0%	267	237	1,973	161	0	28	0	2,629	329	15	875	269	0	89	1,575	41	280	336	683	12	0	21	721
34	41.3%	260	236	1,972	161	0	28	0	2,626	260	15	875	269	0	89	1,564	39	280	335	650	12	0	21	693
35	42.5%	257	232	1,972	161	0	28	0	2,620	316	15	875	269	0	89	1,556	38	280	334	635	12	0	21	668
36	43.8%	248	231	1,970	161	0	28	0	2,618	311	15	875	269	0	89	1,551	36	280	330	630	12	0	21	663
37	45.0%	248	229	1,970	161	0	28	0	2,617	304	15	875	269	0	89	1,537	36	280	328	605	12	0	21	639
38	46.3%	241	229	1,969	161	0	28	0	2,613	290	15	875	269	0	89	1,529	35	280	328	589	12	0	21	622
39	47.5%	238	225	1,964	160	0	28	0	2,612	281	15	875	269	0	89	1,527	34	280	326	587	12	0	21	620
40	48.8%	238	224	1,962	160	0	28	0	2,604	280	15	875	269	0	89	1,507	34	280	324	574	12	0	21	608
41	50.0%	232	221	1,961	159	0	28	0	2,598	260	15	875	269	0	89	1,506	32	279	323	544	12	0	21	578
42	51.3%	228	220	1,957	159	0	28	0	2,593	259	15	875	269	0	89	1,500	32	279	322	542				

Table WS-CVP-9o

			No Action Alternative							No Action Alternative						
			Central Valley Project (CVP) Contract Deliveries							Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index		Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
			(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
1922	2	AN	2,052	557	2,609	2,900	442	0	137	100%	86%	100%	100%	100%	100%	100%
1923	3	BN	1,047	481	1,529	2,882	440	0	137	60%	42%	85%	75%	100%	100%	100%
1924	5	C	162	489	652	2,445	319	0	103	7%	7%	57%	57%	75%	77%	75%
1925	4	D	1,259	492	1,751	2,745	440	0	137	58%	56%	83%	81%	100%	100%	100%
1926	4	D	339	532	871	2,755	427	0	137	15%	15%	65%	65%	100%	100%	100%
1927	1	W	1,518	526	2,044	2,851	438	0	137	100%	59%	100%	84%	100%	100%	100%
1928	2	AN	919	465	1,384	2,829	432	0	137	49%	38%	75%	75%	100%	100%	100%
1929	5	C	0	467	467	2,916	415	0	137	0%	0%	50%	50%	100%	100%	100%
1930	4	D	267	516	783	2,818	434	0	137	12%	12%	62%	62%	100%	100%	100%
1931	5	C	187	432	619	2,448	297	0	103	8%	8%	58%	58%	75%	77%	75%
1932	4	D	280	422	702	2,427	334	0	103	12%	12%	62%	62%	75%	77%	75%
1933	5	C	31	467	498	2,456	323	0	103	1%	1%	51%	51%	75%	77%	75%
1934	5	C	177	500	677	2,349	304	0	103	8%	8%	58%	58%	75%	77%	75%
1935	3	BN	437	444	881	2,765	447	0	137	21%	21%	71%	71%	100%	100%	100%
1936	3	BN	988	464	1,453	2,817	456	0	137	43%	43%	75%	75%	100%	100%	100%
1937	3	BN	678	478	1,157	2,831	465	0	137	30%	30%	75%	75%	100%	100%	100%
1938	1	W	2,320	536	2,856	2,823	455	0	137	100%	100%	100%	100%	100%	100%	100%
1939	4	D	571	584	1,155	3,016	431	0	137	25%	25%	75%	75%	100%	100%	100%
1940	2	AN	1,211	520	1,731	2,781	442	0	137	86%	47%	100%	75%	100%	100%	100%
1941	1	W	1,968	546	2,513	2,677	450	0	137	100%	84%	100%	100%	100%	100%	100%
1942	1	W	2,002	538	2,540	2,729	445	0	137	100%	85%	100%	100%	100%	100%	100%
1943	1	W	1,731	545	2,276	2,856	442	0	137	75%	75%	100%	100%	100%	100%	100%
1944	4	D	474	465	939	2,836	434	0	137	20%	20%	70%	70%	100%	100%	100%
1945	3	BN	1,157	472	1,628	2,793	455	0	137	50%	50%	75%	75%	100%	100%	100%
1946	3	BN	1,524	532	2,056	2,941	445	0	137	85%	62%	100%	87%	100%	100%	100%
1947	4	D	884	468	1,352	2,867	443	0	137	39%	39%	75%	75%	100%	100%	100%
1948	3	BN	974	502	1,476	2,597	442	0	137	85%	36%	100%	75%	100%	100%	100%
1949	4	D	1,302	513	1,815	2,867	431	0	137	65%	56%	90%	81%	100%	100%	100%
1950	3	BN	612	471	1,083	2,892	453	0	137	27%	27%	75%	75%	100%	100%	100%
1951	2	AN	1,549	536	2,085	2,845	438	0	137	92%	62%	100%	87%	100%	100%	100%
1952	1	W	2,310	540	2,850	2,832	455	0	137	100%	100%	100%	100%	100%	100%	100%
1953	1	W	1,160	501	1,660	2,839	438	0	137	100%	41%	100%	75%	100%	100%	100%
1954	2	AN	1,127	506	1,633	2,772	436	0	137	94%	41%	100%	75%	100%	100%	100%
1955	4	D	721	479	1,200	2,878	431	0	137	31%	31%	75%	75%	100%	100%	100%
1956	1	W	1,977	544	2,521	2,869	445	0	137	100%	82%	100%	100%	100%	100%	100%
1957	2	AN	877	503	1,380	2,847	437	0	137	68%	32%	93%	75%	100%	100%	100%
1958	1	W	2,276	543	2,819	2,712	457	0	137	100%	100%	100%	100%	100%	100%	100%
1959	3	BN	852	600	1,452	2,937	422	0	137	63%	32%	88%	75%	100%	100%	100%
1960	4	D	662	519	1,181	2,853	435	0	137	29%	29%	75%	75%	100%	100%	100%
1961	4	D	1,104	476	1,580	2,847	431	0	137	52%	52%	77%	77%	100%	100%	100%
1962	3	BN	935	625	1,559	2,889	439	0	137	67%	36%	92%	75%	100%	100%	100%
1963	1	W	1,438	515	1,953	2,703	445	0	137	100%	56%	100%	81%	100%	100%	100%
1964	4	D	587	535	1,122	2,938	446	0	137	25%	25%	75%	75%	100%	100%	100%
1965	1	W	1,670	531	2,201	2,822	443	0	137	75%	75%	100%	100%	100%	100%	100%
1966	3	BN	1,120	518	1,638	2,932	443	0	137	86%	41%	100%	75%	100%	100%	100%
1967	1	W	2,301	540	2,841	2,692	442	0	137	100%	100%	100%	100%	100%	100%	100%
1968	3	BN	922	591	1,513	2,821	437	0	137	63%	36%	88%	75%	100%	100%	100%
1969	1	W	2,320	548	2,868	2,875	458	0	137	100%	100%	100%	100%	100%	100%	100%
1970	1	W	1,329	489	1,818	2,861	440	0	137	62%	57%	87%	82%	100%	100%	100%
1971	1	W	954	511	1,465	2,936	448	0	137	87%	33%	100%	75%	100%	100%	100%
1972	3	BN	978	478	1,456	2,950	437	0	137	48%	41%	75%	75%	100%	100%	100%
1973	2	AN	1,340	530	1,870	2,847	446	0	137	94%	55%	100%	80%	100%	100%	100%
1974	1	W	2,046	539	2,585	2,796	451	0	137	100%	86%	100%	100%	100%	100%	100%
1975	1	W	1,541	519	2,059	2,869	451	0	137	100%	62%	100%	87%	100%	100%	100%
1976	5	C	154	501	655	3,000	439	0	137	7%	7%	57%	57%	100%	100%	100%
1977	5	C	94	472	566	2,353	305	0	103	4%	4%	54%	54%	75%	77%	75%
1978	2	AN	2,182	550	2,732	2,806	440	0	137	100%	95%	100%	100%	100%	100%	100%
1979	3	BN	1,104	472	1,576	2,837	452	0	137	48%	48%	75%	75%	100%	100%	100%
1980	2	AN	1,752	551	2,303	2,845	447	0	137	76%	76%	100%	100%	100%	100%	100%
1981	4	D	1,035	623	1,658	2,791	441	0	137	70%	40%	95%	75%	100%	100%	100%
1982	1	W	2,161	551	2,711	2,697	469	0	137	100%	100%	100%	100%	100%	100%	100%
1983	1	W	2,301	556	2,857	2,695	469	0	137	100%	100%	100%	100%	100%	100%	100%
1984	1	W	1,458	534	1,992	2,928	445	0	137	89%	62%	100%	87%	100%	100%	100%
1985	4	D	1,139	509	1,647	2,872	443	0	137	66%	46%	91%	75%	100%	100%	100%
1986	1	W	1,363	483	1,846	2,856	450	0	137	59%	59%	84%	84%	100%	100%	100%
1987	4	D	473	561	1,034	2,901	417	0	137	21%	21%	71%	71%	100%	100%	100%
1988	5	C	0	454	454	2,885	411	0	137	0%	0%	50%	50%	100%	100%	100%
1989	4	D	540	462	1,002	2,854	438	0	137	24%	24%	74%	74%	100%	100%	100%
1990	5	C	0	462	462	2,888	418	0	137	0%	0%	50%	50%	100%	100%	100%
1991	5	C	256	523	779	2,395	326	0	103	11%	11%	61%	61%	75%	77%	75%
1992	5	C	343	460	803	2,390	318	0	103	16%	16%	66%	66%	75%	77%	75%
1993	2	AN	1,243	504	1,747	2,766	441	0	137	64%	53%	89%	78%	100%	100%	100%
1994	5	C	1,287	610	1,897	2,408	329	0	103	59%	56%	84%	81%	75%	77%	75%
1995	1	W	2,238	538	2,776	2,765	458	0	137	100%	97%	100%	100%	100%	100%	100%
1996	1	W	1,711	532	2,244	2,728	446	0	137	100%	72%	100%	97%	100%	100%	100%
1997	1	W	1,671	520	2,192	2,927	449	0	137	72%	72%	97%	97%	100%	100%	100%
1998	1	W	2,139	557	2,697	2,654	464	0	137	100%	100%	100%	100%	100%	100%	100%
1999	1	W	1,415	493	1,908	2,844	433	0	137	100%	54%	100%	79%	100%	100%	100%
2000	2	AN	1,405	508	1,913	2,745	434	0	137	100%	55%	100%	80%	100%	100%	100%
2001	4	D	604	593	1,197	2,829	421	0	137	26%	26%	75%	75%	100%	100%	100%
2002	4	D	936	581	1,516	2,939	438	0	137	70%	35%	95%	75%	100%	100%	100%

Table WS-CVP-9o

No Action Alternative									No Action Alternative						
Central Valley Project (CVP) Contract Deliveries									Central Valley Project (CVP) Allocation						
Year	Sacramento Valley 40-30-30 Index	Ag Service Deliveries	M&I Service Deliveries	Total Ag and M&I Service Deliveries	Total Settlement and Exchange Deliveries	Total Refuge Level 2 Supplies	Total Refuge Level 4 NODOS Supplies	Total Refuge Level 4 Acquisition Supplies	Ag Service Allocation	SOD Ag Service Allocation	M&I Service Allocation	SOD M&I Service Allocation	Settlement Contract Allocation	Exchange Contract Allocation	Refuge Level 2 Contract Allocation
		(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(Mar-Feb, TAF)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)	(EO May)
AVG:		1,138	516	1,654	2,786	428	0	134	60%	48%	85%	79%	97%	97%	97%
MIN:		0	422	454	2,349	297	0	103	0%	0%	50%	50%	75%	77%	75%
MAX:		2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
DP:	29-34, 76-77 and 87-92	200	478	679	2,649	370	0	120	9%	9%	59%	59%	88%	88%	88%
AVG:	W	1,820	530	2,350	2,801	450	0	137	93%	77%	99%	93%	100%	100%	100%
	AN	1,423	521	1,944	2,817	440	0	137	84%	58%	96%	84%	100%	100%	100%
	BN	952	509	1,461	2,849	445	0	137	55%	39%	84%	76%	100%	100%	100%
	D	732	518	1,250	2,835	429	0	136	37%	31%	77%	73%	99%	99%	99%
	C	224	486	711	2,578	350	0	115	10%	10%	58%	58%	83%	85%	83%
Rank	Probability of Exceedence								100%	100%	100%	100%	100%	100%	100%
1	0.0%	2,320	625	2,868	3,016	469	0	137	100%	100%	100%	100%	100%	100%	100%
2	1.3%	2,320	623	2,857	3,000	469	0	137	100%	100%	100%	100%	100%	100%	100%
3	2.5%	2,310	610	2,856	2,950	465	0	137	100%	100%	100%	100%	100%	100%	100%
4	3.8%	2,301	600	2,850	2,941	464	0	137	100%	100%	100%	100%	100%	100%	100%
5	5.0%	2,301	593	2,841	2,939	458	0	137	100%	100%	100%	100%	100%	100%	100%
6	6.3%	2,276	591	2,819	2,938	458	0	137	100%	100%	100%	100%	100%	100%	100%
7	7.5%	2,238	584	2,776	2,937	457	0	137	100%	100%	100%	100%	100%	100%	100%
8	8.8%	2,182	581	2,732	2,936	456	0	137	100%	100%	100%	100%	100%	100%	100%
9	10.0%	2,161	561	2,711	2,932	455	0	137	100%	97%	100%	100%	100%	100%	100%
10	11.3%	2,139	557	2,697	2,928	455	0	137	100%	95%	100%	100%	100%	100%	100%
11	12.5%	2,052	557	2,609	2,927	455	0	137	100%	86%	100%	100%	100%	100%	100%
12	13.8%	2,046	556	2,585	2,916	453	0	137	100%	86%	100%	100%	100%	100%	100%
13	15.0%	2,002	551	2,540	2,901	452	0	137	100%	85%	100%	100%	100%	100%	100%
14	16.3%	1,977	551	2,521	2,900	451	0	137	100%	84%	100%	100%	100%	100%	100%
15	17.5%	1,968	550	2,513	2,892	451	0	137	100%	82%	100%	100%	100%	100%	100%
16	18.8%	1,752	548	2,303	2,889	450	0	137	100%	76%	100%	100%	100%	100%	100%
17	20.0%	1,731	546	2,276	2,888	450	0	137	100%	75%	100%	100%	100%	100%	100%
18	21.3%	1,711	545	2,244	2,885	449	0	137	100%	75%	100%	100%	100%	100%	100%
19	22.5%	1,671	544	2,201	2,882	448	0	137	100%	72%	100%	97%	100%	100%	100%
20	23.8%	1,670	543	2,192	2,878	447	0	137	100%	72%	100%	97%	100%	100%	100%
21	25.0%	1,549	540	2,085	2,875	447	0	137	100%	62%	100%	87%	100%	100%	100%
22	26.3%	1,541	540	2,059	2,872	446	0	137	100%	62%	100%	87%	100%	100%	100%
23	27.5%	1,524	539	2,056	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
24	28.8%	1,518	538	2,044	2,869	446	0	137	94%	62%	100%	87%	100%	100%	100%
25	30.0%	1,458	538	1,992	2,867	445	0	137	92%	59%	100%	84%	100%	100%	100%
26	31.3%	1,438	536	1,953	2,867	445	0	137	89%	59%	100%	84%	100%	100%	100%
27	32.5%	1,415	536	1,913	2,861	445	0	137	87%	57%	100%	82%	100%	100%	100%
28	33.8%	1,405	535	1,908	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
29	35.0%	1,363	534	1,897	2,856	445	0	137	86%	56%	100%	81%	100%	100%	100%
30	36.3%	1,340	532	1,870	2,854	443	0	137	85%	56%	100%	81%	100%	100%	100%
31	37.5%	1,329	532	1,846	2,853	443	0	137	85%	56%	100%	81%	100%	100%	100%
32	38.8%	1,302	532	1,818	2,851	443	0	137	76%	55%	100%	80%	100%	100%	100%
33	40.0%	1,287	531	1,815	2,847	443	0	137	75%	55%	100%	80%	100%	100%	100%
34	41.3%	1,269	530	1,751	2,847	442	0	137	75%	54%	100%	79%	100%	100%	100%
35	42.5%	1,243	526	1,747	2,847	442	0	137	72%	53%	97%	78%	100%	100%	100%
36	43.8%	1,211	523	1,731	2,845	442	0	137	70%	52%	95%	77%	100%	100%	100%
37	45.0%	1,160	520	1,660	2,845	442	0	137	70%	50%	95%	75%	100%	100%	100%
38	46.3%	1,157	520	1,658	2,844	442	0	137	68%	48%	93%	75%	100%	100%	100%
39	47.5%	1,139	519	1,647	2,839	441	0	137	67%	47%	92%	75%	100%	100%	100%
40	48.8%	1,127	519	1,638	2,837	441	0	137	66%	46%	91%	75%	100%	100%	100%
41	50.0%	1,120	518	1,633	2,836	440	0	137	65%	43%	90%	75%	100%	100%	100%
42	51.3%	1,104	516	1,628	2,832	440	0	137	64%	42%	89%	75%	100%	100%	100%
43	52.5%	1,104	515	1,580	2,831	440	0	137	63%	41%	88%	75%	100%	100%	100%
44	53.8%	1,047	513	1,576	2,829	440	0	137	63%	41%	88%	75%	100%	100%	100%
45	55.0%	1,035	511	1,559	2,829	439	0	137	62%	41%	87%	75%	100%	100%	100%
46	56.3%	988	509	1,529	2,823	439	0	137	60%	41%	85%	75%	100%	100%	100%
47	57.5%	978	508	1,516	2,822	438	0	137	59%	40%	84%	75%	100%	100%	100%
48	58.8%	974	506	1,513	2,821	438	0	137	59%	39%	84%	75%	100%	100%	100%
49	60.0%	954	504	1,476	2,818	438	0	137	58%	38%	83%	75%	100%	100%	100%
50	61.3%	936	503	1,465	2,817	438	0	137	52%	36%	77%	75%	100%	100%	100%
51	62.5%	935	502	1,456	2,806	438	0	137	50%	36%	75%	75%	100%	100%	100%
52	63.8%	922	501	1,453	2,796	437	0	137	49%	36%	75%	75%	100%	100%	100%
53	65.0%	919	501	1,452	2,793	437	0	137	48%	35%	75%	75%	100%	100%	100%
54	66.3%	884	500	1,384	2,791	437	0	137	48%	33%	75%	75%	100%	100%	100%
55	67.5%	877	493	1,380	2,781	436	0	137	43%	32%	75%	75%	100%	100%	100%
56	68.8%	852	492	1,352	2,772	435	0	137	39%	32%	75%	75%	100%	100%	100%
57	70.0%	721	489	1,200	2,766	434	0	137	31%	31%	75%	75%	100%	100%	100%
58	71.3%	678	489	1,197	2,765	434	0	137	30%	30%	75%	75%	100%	100%	100%
59	72.5%	662	483	1,181	2,765	434	0	137	29%	29%	75%	75%	100%	100%	100%
60	73.8%	612	481	1,157	2,755	433	0	137	27%	27%	75%	75%	100%	100%	100%
61	75.0%	604	479	1,155	2,745	432	0	137	26%	26%	75%	75%	100%	100%	100%
62	76.3%	587	478	1,122	2,745	431	0	137	25%	25%	75%	75%	100%	100%	100%
63	77.5%	571	478	1,083	2,729	431	0	137	25%	25%	75%	75%	100%	100%	100%
64	78.8%	540	476	1,034	2,728	431	0	137	24%	24%	74%	74%	100%	100%	100%
65	80.0%	474	472	1,002	2,712	431	0	137	21%	21%	71%	71%	100%	100%	100%
66	81.3%	473	472	939	2,703	427	0	137	21%	21%	71%	71%	100%	100%	100%
67	82.5%	437	472	881	2,697	422	0	137	20%	20%	70%	70%	100%	100%	100%
68	83.8%	343	471	871	2,695	421	0	137	16%	16%	66%	66%	100%	100%	100%
69	85.0%	339	468	803	2,692	418	0	137	15%	15%	65%	65%	100%	100%	100%
70	86.3%	280	46												