

M&I 2019 Sch A-14 F.Z21.xlsm
9/24/2018

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

<u>PAGE</u>	<u>FACILITIES</u>
2	Black Butte D & R Clear Creek Unit Contra Costa Canal Cow Creek Unit
3	Cross Valley Canal Delta-Mendota Canal
4	Delta-Mendota Canal Folsom D & R
5	Folsom-South Canal Friant Dam
6	Friant-Kern Canal
7	Friant-Kern Canal New Melones D & R Sacramento River
8	Sacramento River San Felipe Unit (In Basin)
9	San Luis Canal - Fresno
10	San Luis Canal - Tracy Shasta D & R
11	Spring Creek Conduit Tehama-Colusa Canal
12	Toyon Pipeline
13-15	Totals by Service Area
16	Footnotes

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	BLACK BUTTE D&R (BBD&R)										CLEAR CREEK UNIT (CICU)		CONTRA COSTA CANAL (CCC)		COW CREEK UNIT (CoCU)	
	BBD&R COUNTY OF COLUSA	BBD&R COUNTY OF COLUSA	BBD&R ELK CREEK CSD	BBD&R ELK CREEK CSD	BBD&R US FOREST SVC	BBD&R US FOREST SVC	BBD&R WHITNEY CONST.	BBD&R WHITNEY CONST.	BBD&R TOTAL	BBD&R TOTAL	CICU CLEAR CREEK CSD	CICU CLEAR CREEK CSD	CCC CONTRA COSTA WD	CCC CONTRA COSTA WD	CoCU BELLA VISTA WD	CoCU BELLA VISTA WD
	AF	PW OF AF 0.02375	AF	PW OF AF 0.03878	AF	PW OF AF 0.03515	AF	PW OF AF 0.04408	AF	PW OF AF	AF	PW OF AF 0.03250	AF	PW OF AF 0.02375	AF	PW OF AF 0.02375
2019	18	17	14	13	15	15	4	4	51	49	1,540	1,491	92,994	90,836	4,216	4,118
2020	18	17	14	13	15	14	4	4	51	48	1,540	1,444	92,994	88,729	4,216	4,022
2021	18	16	14	12	15	14	4	4	51	46	1,540	1,399	92,994	86,670	4,216	3,929
2022	18	16	14	12	15	13	4	3	51	45	1,540	1,355	92,994	84,660	4,216	3,838
2023	18	16	14	12	15	13	4	3	51	43	1,540	1,312	92,994	82,696	4,216	3,749
2024	18	15	14	11	15	13	4	3	51	42	1,540	1,271	92,994	80,777	4,216	3,662
2025	18	15	14	11	15	12	4	3	51	41	1,540	1,231	92,994	78,903	4,216	3,577
2026	18	15	14	10	15	12	4	3	51	39	1,540	1,192	92,994	77,073	4,216	3,494
2027	18	14	14	10	15	11	4	3	51	38	1,540	1,155	92,994	75,285	4,216	3,413
2028	18	14	14	10	15	11	4	3	51	37	1,540	1,118	92,994	73,538	4,216	3,334
2029	18	14	14	9	15	11	4	2	51	36	1,540	1,083	92,994	71,832	4,216	3,256
2030	18	13	14	9	15	10	4	2	51	35	1,540	1,049	92,994	70,166	4,216	3,181
Projected Total	211	182	168	132	185	149	48	37	612	500	18,477	15,100	1,115,923	961,166	50,587	43,571

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	CROSS VALLEY CANAL (CVC) 2/						DELTA-MENDOTA CANAL (DMC)									
	CVC COUNTY OF FRESNO	CVC COUNTY OF FRESNO	CVC COUNTY OF TULARE	CVC COUNTY OF TULARE	CVC TOTAL	CVC TOTAL	DMC BYRON-BETHANY ID AF	DMC BYRON-BETHANY ID PW OF AF	DMC CITY OF TRACY AF	DMC CITY OF TRACY PW OF AF	DMC DEL PUERTO WD AF	DMC DEL PUERTO WD PW OF AF	DMC DEPT. OF VETERANS AFFAIRS AF	DMC DEPT. OF VETERANS AFFAIRS PW OF AF	DMC PANOCHE WD AF	DMC PANOCHE WD PW OF AF
	AF	PW OF AF 0.03559	AF	PW OF AF 0.03141	AF	PW OF AF	AF	PW OF AF 0.02375	AF	PW OF AF 0.03250	AF	PW OF AF 0.02375	AF	PW OF AF 0.03250	AF	PW OF AF 0.03200
2019	86	83	192	186	278	269	870	850	6,102	5,910	8	8	259	251	23	23
2020	86	80	192	180	278	261	870	830	6,102	5,910	8	8	259	243	23	22
2021	86	77	192	175	278	252	870	811	6,102	5,910	8	8	259	236	23	21
2022	86	75	192	170	278	244	870	792	6,102	5,910	8	8	259	228	23	21
2023	86	72	192	164	278	237	870	774	6,102	5,910	8	7	259	221	23	20
2024	86	70	192	159	278	229	870	756	6,102	5,910	8	7	259	214	23	19
2025	86	67	192	155	278	222	870	738	6,102	5,910	8	7	259	207	23	19
2026	86	65	192	150	278	215	870	721	6,102	5,910	8	7	259	201	23	18
2027	86	63	192	145	278	208	870	704	6,102	5,910	8	7	259	194	23	18
2028	86	61	192	141	278	202	870	688	6,102	5,910	8	7	259	188	23	17
2029	86	59	192	137	278	195	870	672	6,102	5,910	8	6	259	182	23	17
2030	86	57	192	132	278	189	870	657	6,102	5,910	8	6	259	177	23	16
Projected Total	1,032	828	2,304	1,895	3,336	2,723	10,442	8,994	73,224	70,919	99	86	3,111	2,543	281	230

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	DELTA-MENDOTA CANAL (DMC)				FOLSOM D&R (FD&R)													
	DMC SAN LUIS WD	DMC SAN LUIS WD	DMC TOTAL	DMC TOTAL	FD&R CITY OF FOLSOM	FD&R CITY OF FOLSOM	FD&R CITY OF ROSEVILLE	FD&R CITY OF ROSEVILLE	FD&R EL DORADO ID	FD&R EL DORADO ID	FD&R PLACER COUNTY WA	FD&R PLACER COUNTY WA	FD&R SACRAMENTO COUNTY WA	FD&R SACRAMENTO COUNTY WA	FD&R SAN JUAN WD	FD&R SAN JUAN WD	FD&R TOTAL	FD&R TOTAL
	AF	PW OF AF 0.02375	AF	PW OF AF	AF	PW OF AF 0.02375	AF	PW OF AF 0.02375	AF	PW OF AF 0.02375	AF	PW OF AF 0.02698	AF	PW OF AF 0.03630	AF	PW OF AF 0.02375	AF	PW OF AF
2019	71	70	7,335	7,112	5,007	4,891	23,150	22,613	3,581	3,498	5,000	4,869	3,555	3,430	1,139	1,113	41,432	40,413
2020	71	68	7,335	7,081	5,007	4,778	23,150	22,088	3,581	3,417	5,000	4,741	3,555	3,430	1,139	1,087	41,432	39,541
2021	71	67	7,335	7,052	5,007	4,667	23,150	21,576	3,581	3,337	5,000	4,616	3,555	3,430	1,139	1,062	41,432	38,688
2022	71	65	7,335	7,023	5,007	4,558	23,150	21,075	3,581	3,260	5,000	4,495	3,555	3,430	1,139	1,037	41,432	37,856
2023	71	64	7,335	6,996	5,007	4,453	23,150	20,586	3,581	3,184	5,000	4,377	3,555	3,430	1,139	1,013	41,432	37,044
2024	71	62	7,335	6,968	5,007	4,349	23,150	20,109	3,581	3,110	5,000	4,262	3,555	3,430	1,139	989	41,432	36,250
2025	71	61	7,335	6,942	5,007	4,248	23,150	19,642	3,581	3,038	5,000	4,150	3,555	3,430	1,139	966	41,432	35,476
2026	71	59	7,335	6,916	5,007	4,150	23,150	19,187	3,581	2,968	5,000	4,041	3,555	3,430	1,139	944	41,432	34,720
2027	71	58	7,335	6,891	5,007	4,054	23,150	18,742	3,581	2,899	5,000	3,935	3,555	3,430	1,139	922	41,432	33,982
2028	71	56	7,335	6,866	5,007	3,960	23,150	18,307	3,581	2,832	5,000	3,831	3,555	3,430	1,139	901	41,432	33,261
2029	71	55	7,335	6,843	5,007	3,868	23,150	17,882	3,581	2,766	5,000	3,731	3,555	3,430	1,139	880	41,432	32,557
2030	71	54	7,335	6,819	5,007	3,778	23,150	17,467	3,581	2,702	5,000	3,633	3,555	3,430	1,139	859	41,432	31,870
Projected Total	857	738	88,015	83,510	60,086	51,753	277,800	239,275	42,970	37,011	60,000	50,680	42,660	41,166	13,668	11,773	497,184	431,657

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	FOLSOM-SOUTH CANAL (FSC)								FRIANT DAM (FD)					
	FSC EAST BAY MUD	FSC EAST BAY MUD	FSC SACRAMENTO CITY WA	FSC SACRAMENTO CITY WA	FSC SMUD 1/	FSC SMUD 1/	FSC TOTAL	FSC TOTAL	FD COUNTY OF MADERA	FD COUNTY OF MADERA	FD FRESNO CITY WW#18 AF	FD FRESNO CITY WW #18 PW OF AF	FD TOTAL	FD TOTAL
	AF	PW OF AF 0.02684	AF	PW OF AF 0.03498	AF	PW OF AF 0.02375	AF	PW OF AF	AF	PW OF AF 0.04152	AF	PW OF AF 0.03366	AF	PW OF AF
2019	9,459	9,212	4,286	4,141	12,003	11,725	25,748	25,077	29	28	100	97	129	125
2020	9,459	8,971	4,286	4,001	12,003	11,453	25,748	24,425	29	27	100	93	129	120
2021	9,459	8,736	4,286	3,866	12,003	11,187	25,748	23,789	29	26	100	90	129	116
2022	9,459	8,508	4,286	3,735	12,003	10,927	25,748	23,171	29	25	100	87	129	112
2023	9,459	8,286	4,286	3,609	12,003	10,674	25,748	22,569	29	24	100	85	129	109
2024	9,459	8,069	4,286	3,487	12,003	10,426	25,748	21,982	29	23	100	82	129	105
2025	9,459	7,858	4,286	3,369	12,003	10,184	25,748	21,412	29	22	100	79	129	101
2026	9,459	7,653	4,286	3,255	12,003	9,948	25,748	20,856	29	21	100	77	129	98
2027	9,459	7,453	4,286	3,145	12,003	9,717	25,748	20,315	29	20	100	74	129	94
2028	9,459	7,258	4,286	3,039	12,003	9,492	25,748	19,789	29	19	100	72	129	91
2029	9,459	7,068	4,286	2,936	12,003	9,272	25,748	19,276	29	19	100	69	129	88
2030	9,459	6,884	4,286	2,837	12,003	9,057	25,748	18,777	29	18	100	67	129	85
Projected Total	113,505	95,955	51,432	41,422	144,036	124,061	308,973	261,439	351	272	1,198	973	1,550	1,245

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	FRIANT-KERN CANAL (FKC)											
	FKC ARVIN- EDISON WSD AF	FKC ARVIN- EDISON WSD PW OF AF	FKC CITY OF FRESNO AF	FKC CITY OF FRESNO PW OF AF	FKC CITY OF LINDSAY AF	FKC CITY OF LINDSAY PW OF AF	FKC CITY OF ORANGE COVE AF	FKC CITY OF ORANGE COVE PW OF AF	FKC DELANO- EARLMART ID AF	FKC DELANO- EARLMART ID PW OF AF	FKC LINDSAY- STRATHMORE ID AF	FKC LINDSAY- STRATHMORE ID PW OF AF
		0.02375		0.03936		0.03250		0.03250		0.02375		0.03104
2019	445	434	30,168	29,026	1,478	1,432	948	918	185	181	529	513
2020	445	424	30,168	27,927	1,478	1,387	948	889	185	181	529	497
2021	445	414	30,168	26,869	1,478	1,343	948	861	185	181	529	483
2022	445	405	30,168	25,851	1,478	1,301	948	834	185	181	529	468
2023	445	395	30,168	24,872	1,478	1,260	948	808	185	181	529	454
2024	445	386	30,168	23,930	1,478	1,220	948	782	185	181	529	440
2025	445	377	30,168	23,024	1,478	1,182	948	757	185	181	529	427
2026	445	368	30,168	22,152	1,478	1,144	948	734	185	181	529	414
2027	445	360	30,168	21,313	1,478	1,108	948	711	185	181	529	402
2028	445	352	30,168	20,506	1,478	1,074	948	688	185	181	529	390
2029	445	343	30,168	19,729	1,478	1,040	948	667	185	181	529	378
2030	445	335	30,168	18,982	1,478	1,007	948	646	185	181	529	366
Projected Total	5,335	4,595	362,021	284,181	17,738	14,496	11,371	9,293	2,222	2,170	6,346	5,232

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	FRIANT-KERN CANAL CONTINUED (FKC)						NEW MELONES D & R (NMD&R)		SACRAMENTO RIVER (SR)					
	FKC SHAFTER- WASCO ID AF	FKC SHAFTER- WASCO ID PW OF AF	FKC TERRA BELLA ID AF	FKC TERRA BELLA ID PW OF AF	FKC TOTAL AF	FKC TOTAL PW	NMD&R STOCKTON EAST WD AF	NMD&R STOCKTON EAST WD PW OF AF	SR CITY OF REDDING AF	SR CITY OF REDDING PW OF AF	SR CITY OF WEST SACRAMENTO AF	SR CITY OF WEST SACRAMENTO PW OF AF	SR LAKE CA P.O.A. AF	SR LAKE CA P.O.A. PW OF AF
		0.03250		0.02655				0.02375		0.03263		0.02375		0.02375
2019	240	232	1,063	1,035	35,055	33,771	29,790	29,099	2,529	2,450	6,249	6,104	186	181
2020	240	225	1,063	1,009	35,055	32,538	29,790	29,099	2,529	2,372	6,249	5,963	186	177
2021	240	218	1,063	983	35,055	31,351	29,790	29,099	2,529	2,297	6,249	5,824	186	173
2022	240	211	1,063	957	35,055	30,207	29,790	29,099	2,529	2,225	6,249	5,689	186	169
2023	240	204	1,063	932	35,055	29,106	29,790	29,099	2,529	2,154	6,249	5,557	186	165
2024	240	198	1,063	908	35,055	28,046	29,790	29,099	2,529	2,086	6,249	5,428	186	161
2025	240	192	1,063	885	35,055	27,025	29,790	29,099	2,529	2,020	6,249	5,302	186	158
2026	240	186	1,063	862	35,055	26,041	29,790	29,099	2,529	1,956	6,249	5,179	186	154
2027	240	180	1,063	840	35,055	25,094	29,790	29,099	2,529	1,895	6,249	5,059	186	150
2028	240	174	1,063	818	35,055	24,182	29,790	29,099	2,529	1,835	6,249	4,942	186	147
2029	240	169	1,063	797	35,055	23,303	29,790	29,099	2,529	1,777	6,249	4,827	186	143
2030	240	163	1,063	776	35,055	22,457	29,790	29,099	2,529	1,721	6,249	4,715	186	140
Projected Total	2,878	2,352	12,754	10,801	420,665	333,121	357,483	349,190	30,353	24,787	74,990	64,590	2,229	1,920

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	SACRAMENTO RIVER CONTINUED (SR)				SAN FELIPE UNIT (IN-BASIN)					
	SR RIVERVIEW GOLF & CC	SR RIVERVIEW GOLF & CC	SR TOTAL	SR TOTAL	SFUIB SAN BENITO COUNTY WD AF	SFUIB SAN BENITO COUNTY WD PW OF AF	SFUIB SANTA CLARA VALLEY WD AF	SFUIB SANTA CLARA VALLEY WD PW OF AF	SFUIB TOTAL	SFUIB TOTAL
	AF	PW OF AF 0.02375	AF	PW OF AF					AF	PW OF AF
2019	18	17	8,982	8,753	5,128	5,009	83,917	81,970	89,045	86,980
2020	18	17	8,982	8,529	5,128	4,893	83,917	80,069	89,045	84,962
2021	18	17	8,982	8,311	5,128	4,780	83,917	78,211	89,045	82,991
2022	18	16	8,982	8,099	5,128	4,669	83,917	76,397	89,045	81,065
2023	18	16	8,982	7,892	5,128	4,560	83,917	74,624	89,045	79,185
2024	18	16	8,982	7,691	5,128	4,455	83,917	72,893	89,045	77,348
2025	18	15	8,982	7,495	5,128	4,351	83,917	71,202	89,045	75,553
2026	18	15	8,982	7,304	5,128	4,250	83,917	69,550	89,045	73,801
2027	18	14	8,982	7,119	5,128	4,152	83,917	67,937	89,045	72,089
2028	18	14	8,982	6,938	5,128	4,055	83,917	66,361	89,045	70,416
2029	18	14	8,982	6,761	5,128	3,961	83,917	64,821	89,045	68,783
2030	18	13	8,982	6,589	5,128	3,869	83,917	63,317	89,045	67,187
Projected Total	214	185	107,786	91,482	61,539	53,005	1,007,006	867,354	1,068,545	920,359

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	SAN LUIS CANAL - FRESNO (SLCF)											
	SLCF CITY OF AVENAL	SLCF CITY OF AVENAL	SLCF CITY OF COALINGA	SLCF CITY OF COALINGA	SLCF CITY OF HURON	SLCF CITY OF HURON	SLCF STATE OF CA	SLCF STATE OF CA	SLCF WESTLANDS WD	SLCF WESTLANDS WD	SLCF TOTAL	SLCF TOTAL
	AF	PW OF AF 0.02375	AF	PW OF AF 0.03569	AF	PW OF AF 0.03533	AF	PW OF AF 0.03257	AF	PW OF AF 0.02375	AF	PW OF AF
2019	2,177	2,127	4,823	4,657	883	852	5	5	2,721	2,657	10,608	10,298
2020	2,177	2,078	4,823	4,496	883	823	5	5	2,721	2,596	10,608	9,998
2021	2,177	2,029	4,823	4,341	883	795	5	4	2,721	2,536	10,608	9,706
2022	2,177	1,982	4,823	4,192	883	768	5	4	2,721	2,477	10,608	9,423
2023	2,177	1,936	4,823	4,047	883	742	5	4	2,721	2,419	10,608	9,149
2024	2,177	1,891	4,823	3,908	883	717	5	4	2,721	2,363	10,608	8,883
2025	2,177	1,848	4,823	3,773	883	692	5	4	2,721	2,308	10,608	8,625
2026	2,177	1,805	4,823	3,643	883	669	5	4	2,721	2,255	10,608	8,375
2027	2,177	1,763	4,823	3,518	883	646	5	4	2,721	2,202	10,608	8,132
2028	2,177	1,722	4,823	3,396	883	624	5	4	2,721	2,151	10,608	7,897
2029	2,177	1,682	4,823	3,279	883	602	5	3	2,721	2,101	10,608	7,669
2030	2,177	1,643	4,823	3,166	883	582	5	3	2,721	2,053	10,608	7,447
Projected Total	26,129	22,506	57,876	46,418	10,591	8,512	58	48	32,647	28,119	127,301	105,602

CENTRAL VALLEY PROJECT
 SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
 AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	SAN LUIS CANAL - TRACY (SLCT)								SHASTA D&R (SD&R)							
	SLCT PACHECO WD	SLCT PACHECO WD	SLCT PANOCHÉ WD	SLCT PANOCHÉ WD	SLCT SAN LUIS WD	SLCT SAN LUIS WD	SLCT TOTAL	SLCT TOTAL	SD&R CENTERVILLE CSD	SD&R CENTERVILLE CSD	SD&R MOUNTAIN GATE CSD	SD&R MOUNTAIN GATE CSD	SD&R SHASTA CWA	SD&R SHASTA CWA	SD&R TOTAL	SD&R TOTAL
	AF	PW OF AF	AF	PW OF AF	AF	PW OF AF	AF	PW OF AF	AF	PW OF AF	AF	PW OF AF	AF	PW OF AF	AF	PW OF AF
	0.02217		0.03219		0.02875				0.03250		0.03323		0.02375			
2019	6	6	72	70	1,854	1,802	1,932	1,878	573	555	562	544	141	138	1,276	1,237
2020	6	6	72	68	1,854	1,752	1,932	1,826	573	538	562	526	141	135	1,276	1,198
2021	6	5	72	66	1,854	1,703	1,932	1,774	573	521	562	509	141	132	1,276	1,161
2022	6	5	72	64	1,854	1,655	1,932	1,725	573	504	562	493	141	129	1,276	1,126
2023	6	5	72	62	1,854	1,609	1,932	1,676	573	488	562	477	141	126	1,276	1,091
2024	6	5	72	60	1,854	1,564	1,932	1,629	573	473	562	462	141	123	1,276	1,057
2025	6	5	72	58	1,854	1,520	1,932	1,584	573	458	562	447	141	120	1,276	1,025
2026	6	5	72	56	1,854	1,478	1,932	1,539	573	444	562	432	141	117	1,276	993
2027	6	5	72	54	1,854	1,437	1,932	1,496	573	430	562	418	141	114	1,276	963
2028	6	5	72	53	1,854	1,397	1,932	1,454	573	416	562	405	141	112	1,276	933
2029	6	5	72	51	1,854	1,357	1,932	1,413	573	403	562	392	141	109	1,276	904
2030	6	5	72	50	1,854	1,320	1,932	1,374	573	390	562	379	141	107	1,276	876
Projected Total	70	61	869	712	22,250	18,595	23,189	19,367	6,878	5,621	6,739	5,484	1,695	1,460	15,312	12,565

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	SPRING CREEK CONDUIT (SCC)								TEHAMA-COLUSA CANAL (TCC)					
	SCC CITY OF REDDING	SCC CITY OF REDDING	SCC SHASTA CWA	SCC SHASTA CWA	SCC SHASTA CSD	SCC SHASTA CSD	SCC TOTAL	SCC TOTAL	TCC COLUSA COUNTY	TCC COLUSA COUNTY	TCC KANAWH A WD	TCC KANAWH A WD	TCC TOTAL	TCC TOTAL
	AF	PW OF AF 0.03624	AF	PW OF AF 0.03374	AF	PW OF AF 0.03578	AF	PW OF AF	AF	PW OF AF 0.02375	AF	PW OF AF 0.02375	AF	PW OF AF
2019	4,478	4,321	127	123	405	391	5,009	4,835	133	130	10	9	143	139
2020	4,478	4,170	127	119	405	377	5,009	4,666	133	127	10	9	143	136
2021	4,478	4,024	127	115	405	364	5,009	4,503	133	124	10	9	143	133
2022	4,478	3,883	127	111	405	352	5,009	4,346	133	121	10	9	143	130
2023	4,478	3,747	127	108	405	340	5,009	4,195	133	118	10	9	143	127
2024	4,478	3,616	127	104	405	328	5,009	4,048	133	116	10	8	143	124
2025	4,478	3,490	127	101	405	317	5,009	3,907	133	113	10	8	143	121
2026	4,478	3,368	127	97	405	306	5,009	3,771	133	110	10	8	143	118
2027	4,478	3,250	127	94	405	295	5,009	3,639	133	108	10	8	143	116
2028	4,478	3,136	127	91	405	285	5,009	3,512	133	105	10	8	143	113
2029	4,478	3,027	127	88	405	275	5,009	3,390	133	103	10	7	143	110
2030	4,478	2,921	127	85	405	266	5,009	3,272	133	100	10	7	143	108
Projected Total	53,731	42,953	1,524	1,236	4,858	3,894	60,113	48,084	1,598	1,376	115	99	1,713	1,475
7 - Year Hist Av	4,478		127		405		5,009		133		10		143	

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	TOYON PIPELINE (TP)							
	TP CITY OF REDDING	TP CITY OF REDDING	TP CITY OF SHASTA LAKE	TP CITY OF SHASTA LAKE	TP US FOREST SVC	TP US FOREST SVC	TP TOTAL	TP TOTAL
	AF	PW OF AF 0.02375	AF	PW OF AF 0.02497	AF	PW OF AF 0.03416	AF	PW OF AF
2019	21	21	1,197	1,168	1	1	1,220	1,190
2020	21	20	1,197	1,140	1	1	1,220	1,161
2021	21	20	1,197	1,112	1	1	1,220	1,133
2022	21	19	1,197	1,085	1	1	1,220	1,105
2023	21	19	1,197	1,059	1	1	1,220	1,078
2024	21	18	1,197	1,033	1	1	1,220	1,052
2025	21	18	1,197	1,008	1	1	1,220	1,026
2026	21	18	1,197	983	1	1	1,220	1,001
2027	21	17	1,197	959	1	1	1,220	977
2028	21	17	1,197	936	1	1	1,220	953
2029	21	16	1,197	913	1	1	1,220	930
2030	21	16	1,197	891	1	1	1,220	907
Projected Total	255	220	14,369	12,285	12	10	14,637	12,515

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	BLACK BUTTE D&R	BLACK BUTTE D&R	CLEAR CREEK UNIT	CLEAR CREEK UNIT	CONTRA COSTA CANAL	CONTRA COSTA CANAL	COW CREEK UNIT	COW CREEK UNIT	CROSS VALLEY CANAL	CROSS VALLEY CANAL	DETAL MENDOTA CANAL	DETAL MENDOTA CANAL	FOLSOM D&R	FOLSOM D&R	FOLSOM SOUTH CANAL	FOLSOM SOUTH CANAL
	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL
2019	51	49	1,540	1,491	92,994	90,836	4,216	4,118	278	269	7,335	7,112	41,432	40,413	25,748	25,077
2020	51	48	1,540	1,444	92,994	88,729	4,216	4,022	278	261	7,335	7,081	41,432	39,541	25,748	24,425
2021	51	46	1,540	1,399	92,994	86,670	4,216	3,929	278	252	7,335	7,052	41,432	38,688	25,748	23,789
2022	51	45	1,540	1,355	92,994	84,660	4,216	3,838	278	244	7,335	7,023	41,432	37,856	25,748	23,171
2023	51	43	1,540	1,312	92,994	82,696	4,216	3,749	278	237	7,335	6,996	41,432	37,044	25,748	22,569
2024	51	42	1,540	1,271	92,994	80,777	4,216	3,662	278	229	7,335	6,968	41,432	36,250	25,748	21,982
2025	51	41	1,540	1,231	92,994	78,903	4,216	3,577	278	222	7,335	6,942	41,432	35,476	25,748	21,412
2026	51	39	1,540	1,192	92,994	77,073	4,216	3,494	278	215	7,335	6,916	41,432	34,720	25,748	20,856
2027	51	38	1,540	1,155	92,994	75,285	4,216	3,413	278	208	7,335	6,891	41,432	33,982	25,748	20,315
2028	51	37	1,540	1,118	92,994	73,538	4,216	3,334	278	202	7,335	6,866	41,432	33,261	25,748	19,789
2029	51	36	1,540	1,083	92,994	71,832	4,216	3,256	278	195	7,335	6,843	41,432	32,557	25,748	19,276
2030	51	35	1,540	1,049	92,994	70,166	4,216	3,181	278	189	7,335	6,819	41,432	31,870	25,748	18,777
Projected Total	612	500	18,477	15,100	1,115,923	961,166	50,587	43,571	3,336	2,723	88,015	83,510	497,184	431,657	308,973	261,439

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	FRIANT DAM	FRIANT DAM	FRIANT-KERN CANAL	FRIANT-KERN CANAL	NEW MELONES	NEW MELONES	SACRAMENTO RIVER	SACRAMENTO RIVER	SAN FELIPE UNIT	SAN FELIPE UNIT	SAN LUIS CANAL FRESNO	SAN LUIS CANAL FRESNO	SAN LUIS CANAL TRACY	SAN LUIS CANAL TRACY	SHASTA D&R	SHASTA D&R
	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL	D & R AF	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL	(IN BASIN) AF	(IN BASIN) PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL
2019	129	125	35,055	33,771	29,790	29,099	8,982	8,753	89,045	86,980	10,608	10,298	1,932	1,878	1,276	1,237
2020	129	120	35,055	32,538	29,790	29,099	8,982	8,529	89,045	84,962	10,608	9,998	1,932	1,826	1,276	1,198
2021	129	116	35,055	31,351	29,790	29,099	8,982	8,311	89,045	82,991	10,608	9,706	1,932	1,774	1,276	1,161
2022	129	112	35,055	30,207	29,790	29,099	8,982	8,099	89,045	81,065	10,608	9,423	1,932	1,725	1,276	1,126
2023	129	109	35,055	29,106	29,790	29,099	8,982	7,892	89,045	79,185	10,608	9,149	1,932	1,676	1,276	1,091
2024	129	105	35,055	28,046	29,790	29,099	8,982	7,691	89,045	77,348	10,608	8,883	1,932	1,629	1,276	1,057
2025	129	101	35,055	27,025	29,790	29,099	8,982	7,495	89,045	75,553	10,608	8,625	1,932	1,584	1,276	1,025
2026	129	98	35,055	26,041	29,790	29,099	8,982	7,304	89,045	73,801	10,608	8,375	1,932	1,539	1,276	993
2027	129	94	35,055	25,094	29,790	29,099	8,982	7,119	89,045	72,089	10,608	8,132	1,932	1,496	1,276	963
2028	129	91	35,055	24,182	29,790	29,099	8,982	6,938	89,045	70,416	10,608	7,897	1,932	1,454	1,276	933
2029	129	88	35,055	23,303	29,790	29,099	8,982	6,761	89,045	68,783	10,608	7,669	1,932	1,413	1,276	904
2030	129	85	35,055	22,457	29,790	29,099	8,982	6,589	89,045	67,187	10,608	7,447	1,932	1,374	1,276	876
Projected Total	1,550	1,245	420,665	333,121	357,483	349,190	107,786	91,482	1,068,545	920,359	127,301	105,602	23,189	19,367	15,312	12,565

CENTRAL VALLEY PROJECT
 SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
 AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

YEAR	SPRING CREEK CONDUIT	SPRING CREEK CONDUIT	TEHAMA-COLUSA CANAL	TEHAMA-COLUSA CANAL	TOYON PIPELINE	TOYON PIPELINE	TOTAL W/O EXCHANGE	TOTAL W/O EXCHANGE
	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL	AF TOTAL	PW OF AF TOTAL
2019	5,009	4,835	143	139	1,220	1,190	356,783	347,670
2020	5,009	4,666	143	136	1,220	1,161	356,783	339,784
2021	5,009	4,503	143	133	1,220	1,133	356,783	332,106
2022	5,009	4,346	143	130	1,220	1,105	356,783	324,630
2023	5,009	4,195	143	127	1,220	1,078	356,783	317,352
2024	5,009	4,048	143	124	1,220	1,052	356,783	310,265
2025	5,009	3,907	143	121	1,220	1,026	356,783	303,365
2026	5,009	3,771	143	118	1,220	1,001	356,783	296,646
2027	5,009	3,639	143	116	1,220	977	356,783	290,104
2028	5,009	3,512	143	113	1,220	953	356,783	283,733
2029	5,009	3,390	143	110	1,220	930	356,783	277,529
2030	5,009	3,272	143	108	1,220	907	356,783	271,487
Projected Total	60,113	48,084	1,713	1,475	14,637	12,515	4,281,399	3,694,672

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2019-2030
AND PRESENT WORTH @ DEFICIT COMPOSITE RATE FOR CALCULATION OF DEFICIT COSTS

Footnotes:

1/ Acre-feet converted from Irrigation are used for Arbuckle Golf Course.

Note: Projected deliveries are based on the contractor's 7-year average of historical deliveries.