



— BUREAU OF —
RECLAMATION

M&I Full Cost 2021 Sch FC-4.Z23
1/13/2021

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

<u>PAGE NUMBER</u>	<u>FACILITIES/CONTRACTORS</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	Footnotes

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

YEAR	BLACK BUTTE D&R										CLEAR CREEK UNIT		CONTRA COSTA CANAL		COW CREEK UNIT	
	COUNTY OF COLUSA		ELK CREEK CSD		US FOREST SVC		WHITNEY CONST.		TOTAL		CLEAR CREEK CSD		CONTRA COSTA WD		BELLA VISTA WD	
	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW
2021	6	6	14	13	13	12	4	4	37	35	1,634	1,513	86,856	80,414	3,985	3,690
2022	6	6	14	12	13	11	4	3	37	32	1,634	1,401	86,856	74,449	3,985	3,416
2023	6	5	14	11	13	10	4	3	37	30	1,634	1,297	86,856	68,926	3,985	3,162
2024	6	5	14	10	13	10	4	3	37	27	1,634	1,201	86,856	63,814	3,985	2,928
2025	6	4	14	10	13	9	4	3	37	25	1,634	1,112	86,856	59,080	3,985	2,711
2026	6	4	14	9	13	8	4	3	37	24	1,634	1,029	86,856	54,698	3,985	2,510
2027	6	4	14	8	13	8	4	2	37	22	1,634	953	86,856	50,640	3,985	2,323
2028	6	3	14	8	13	7	4	2	37	20	1,634	882	86,856	46,884	3,985	2,151
2029	6	3	14	7	13	6	4	2	37	19	1,634	817	86,856	43,406	3,985	1,992
2030	6	3	14	6	13	6	4	2	37	17	1,634	756	86,856	40,187	3,985	1,844
P/T	64	43	140	94	130	87	40	27	374	251	16,341	10,959	868,564	582,498	39,851	26,726

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

YEAR	CROSS VALLEY CANAL						DELTA-MENDOTA CANAL									
	COUNTY OF FRESNO		COUNTY OF TULARE		TOTAL		BYRON BETHANY ID		CITY OF TRACY		DEL PUERTO WD		DEPT OF VETERANS		PANOCHÉ WD	
	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AFFAIRS	PW	AF	PW
2021	86	80	192	178	278	257	959	888	7,496	6,940	4	4	336	311	24	22
2022	86	74	192	165	278	238	959	822	7,496	6,425	4	4	336	288	24	20
2023	86	68	192	152	278	221	959	761	7,496	5,948	4	4	336	266	24	19
2024	86	63	192	141	278	204	959	705	7,496	5,507	4	3	336	247	24	17
2025	86	58	192	131	278	189	959	652	7,496	5,099	4	3	336	228	24	16
2026	86	54	192	121	278	175	959	604	7,496	4,720	4	3	336	211	24	15
2027	86	50	192	112	278	162	959	559	7,496	4,370	4	3	336	196	24	14
2028	86	46	192	104	278	150	959	518	7,496	4,046	4	2	336	181	24	13
2029	86	43	192	96	278	139	959	479	7,496	3,746	4	2	336	168	24	12
2030	86	40	192	89	278	129	959	444	7,496	3,468	4	2	336	155	24	11
P/T	860	577	1,920	1,288	2,780	1,864	9,591	6,432	74,956	50,269	44	30	3,356	2,250	237	159

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

YEAR	DELTA-MENDOTA CANAL				FOLSOM D&R													
	SAN LUIS WD		TOTAL		CITY OF FOLSOM		CITY OF ROSEVILLE		EL DORADO ID		SACRAMENTO CTY WA		SAN JUAN WD		PLACER CTY WA		TOTAL	
	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW
2021	46	43	8,865	8,207	5,757	5,330	22,586	20,911	4,305	3,986	3,518	3,257	657	609	5,000	4,629	41,824	38,722
2022	46	40	8,865	7,598	5,757	4,935	22,586	19,360	4,305	3,690	3,518	3,015	657	564	5,000	4,286	41,824	35,849
2023	46	37	8,865	7,035	5,757	4,569	22,586	17,924	4,305	3,417	3,518	2,792	657	522	5,000	3,968	41,824	33,190
2024	46	34	8,865	6,513	5,757	4,230	22,586	16,594	4,305	3,163	3,518	2,585	657	483	5,000	3,674	41,824	30,728
2025	46	31	8,865	6,030	5,757	3,916	22,586	15,363	4,305	2,929	3,518	2,393	657	447	5,000	3,401	41,824	28,449
2026	46	29	8,865	5,582	5,757	3,626	22,586	14,224	4,305	2,711	3,518	2,215	657	414	5,000	3,149	41,824	26,339
2027	46	27	8,865	5,168	5,757	3,357	22,586	13,169	4,305	2,510	3,518	2,051	657	383	5,000	2,915	41,824	24,385
2028	46	25	8,865	4,785	5,757	3,108	22,586	12,192	4,305	2,324	3,518	1,899	657	355	5,000	2,699	41,824	22,576
2029	46	23	8,865	4,430	5,757	2,877	22,586	11,287	4,305	2,152	3,518	1,758	657	329	5,000	2,499	41,824	20,902
2030	46	21	8,865	4,101	5,757	2,664	22,586	10,450	4,305	1,992	3,518	1,628	657	304	5,000	2,313	41,824	19,351
P/T	461	309	88,646	59,450	57,571	38,610	225,861	151,473	43,054	28,874	35,179	23,592	6,574	4,409	50,000	33,532	418,240	280,491

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

YEAR	FOLSOM-SOUTH CANAL								FRIANT DAM					
	EAST BAY MUD		SACRAMENTO CTY WA		SMUD		TOTAL		COUNTY OF MADERA		FRESNO CTY WW #18		TOTAL	
	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW
2021	9,309	8,618	4,286	3,968	4,286	3,968	17,881	16,555	69	64	99	92	169	156
2022	9,309	7,979	4,286	3,674	4,286	3,674	17,881	15,327	69	59	99	85	169	144
2023	9,309	7,387	4,286	3,401	4,286	3,401	17,881	14,190	69	55	99	79	169	134
2024	9,309	6,839	4,286	3,149	4,286	3,149	17,881	13,137	69	51	99	73	169	124
2025	9,309	6,332	4,286	2,915	4,286	2,915	17,881	12,163	69	47	99	68	169	115
2026	9,309	5,862	4,286	2,699	4,286	2,699	17,881	11,260	69	44	99	63	169	106
2027	9,309	5,427	4,286	2,499	4,286	2,499	17,881	10,425	69	40	99	58	169	98
2028	9,309	5,025	4,286	2,314	4,286	2,314	17,881	9,652	69	37	99	54	169	91
2029	9,309	4,652	4,286	2,142	4,286	2,142	17,881	8,936	69	35	99	50	169	84
2030	<u>9,309</u>	<u>4,307</u>	<u>4,286</u>	<u>1,983</u>	<u>4,286</u>	<u>1,983</u>	<u>17,881</u>	<u>8,273</u>	<u>69</u>	<u>32</u>	<u>99</u>	<u>46</u>	<u>169</u>	<u>78</u>
P/T	93,089	62,429	42,860	28,744	42,860	28,744	178,809	119,917	691	464	994	667	1,686	1,131

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

YEAR	FRIANT-KERN CANAL											
	ARVIN-EDISON WSD		CITY OF FRESNO		CITY OF LINDSAY		CITY OF ORANGE COVE		DELANO-EARLIMART ID		LINDSAY-STRATHMORE ID	
	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW
2021	448	415	34,433	31,879	1,478	1,369	1,094	1,013	225	208	542	502
2022	448	384	34,433	29,515	1,478	1,267	1,094	937	225	193	542	465
2023	448	355	34,433	27,325	1,478	1,173	1,094	868	225	179	542	430
2024	448	329	34,433	25,298	1,478	1,086	1,094	804	225	165	542	398
2025	448	305	34,433	23,422	1,478	1,006	1,094	744	225	153	542	369
2026	448	282	34,433	21,684	1,478	931	1,094	689	225	142	542	342
2027	448	261	34,433	20,076	1,478	862	1,094	638	225	131	542	316
2028	448	242	34,433	18,587	1,478	798	1,094	590	225	122	542	293
2029	448	224	34,433	17,208	1,478	739	1,094	547	225	113	542	271
2030	448	207	34,433	15,932	1,478	684	1,094	506	225	104	542	251
P/T	4,477	3,003	344,334	230,926	14,783	9,914	10,937	7,335	2,251	1,510	5,423	3,637

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

YEAR	FRIANT-KERN CANAL						NEW MELONES D & R		SACRAMENTO RIVER					
	SHAFTER-WASCO ID		TERRA BELLA ID		TOTAL		STOCKTON EAST WD		CITY OF REDDING		CITY OF WEST SACRAMENTO		LAKE CA P.O.A.	
	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW
2021	133	124	1,154	1,068	39,508	36,577	25,500	23,608	2,698	2,498	5,956	5,514	186	172
2022	133	114	1,154	989	39,508	33,864	25,500	21,857	2,698	2,312	5,956	5,105	186	159
2023	133	106	1,154	916	39,508	31,352	25,500	20,236	2,698	2,141	5,956	4,727	186	147
2024	133	98	1,154	848	39,508	29,027	25,500	18,735	2,698	1,982	5,956	4,376	186	136
2025	133	91	1,154	785	39,508	26,874	25,500	17,345	2,698	1,835	5,956	4,051	186	126
2026	133	84	1,154	727	39,508	24,880	25,500	16,059	2,698	1,699	5,956	3,751	186	117
2027	133	78	1,154	673	39,508	23,035	25,500	14,867	2,698	1,573	5,956	3,473	186	108
2028	133	72	1,154	623	39,508	21,326	25,500	13,765	2,698	1,456	5,956	3,215	186	100
2029	133	67	1,154	577	39,508	19,744	25,500	12,744	2,698	1,348	5,956	2,977	186	93
2030	133	62	1,154	534	39,508	18,280	25,500	11,798	2,698	1,248	5,956	2,756	186	86
P/T	1,334	895	11,540	7,739	395,080	264,958	254,999	171,014	26,977	18,092	59,561	39,945	1,857	1,245

M&I Full Cost 2021 Sch FC-4.Z23
1/13/2021

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

YEAR	SACRAMENTO RIVER				SAN FELIPE UNIT (IN-BASIN)					
	RIVERVIEW GOLF & CC		TOTAL		SAN BENITO CTY WD		SANTA CLARA VALLEY WD		TOTAL	
	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW
2021	18	17	8,857	8,200	5,438	5,034	85,005	78,699	90,442	83,734
2022	18	15	8,857	7,592	5,438	4,661	85,005	72,862	90,442	77,522
2023	18	14	8,857	7,029	5,438	4,315	85,005	67,457	90,442	71,772
2024	18	13	8,857	6,508	5,438	3,995	85,005	62,453	90,442	66,448
2025	18	12	8,857	6,025	5,438	3,699	85,005	57,821	90,442	61,519
2026	18	11	8,857	5,578	5,438	3,424	85,005	53,532	90,442	56,956
2027	18	10	8,857	5,164	5,438	3,170	85,005	49,561	90,442	52,731
2028	18	10	8,857	4,781	5,438	2,935	85,005	45,885	90,442	48,820
2029	18	9	8,857	4,426	5,438	2,717	85,005	42,481	90,442	45,198
2030	18	8	8,857	4,098	5,438	2,516	85,005	39,330	90,442	41,846
P/T	179	120	88,574	59,402	54,376	36,467	850,047	570,080	904,423	606,547

M&I Full Cost 2021 Sch FC-4.Z23
1/13/2021

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

YEAR	SAN LUIS CANAL - FRESNO											
	CITY OF AVENAL		CITY OF COALINGA		CITY OF HURON		STATE OF CA		WESTLANDS WD		TOTAL	
	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW
2021	2,217	2,052	5,123	4,743	829	768	3	2	2,643	2,447	10,815	10,013
2022	2,217	1,900	5,123	4,391	829	711	3	2	2,643	2,266	10,815	9,270
2023	2,217	1,759	5,123	4,066	829	658	3	2	2,643	2,098	10,815	8,583
2024	2,217	1,629	5,123	3,764	829	609	3	2	2,643	1,942	10,815	7,946
2025	2,217	1,508	5,123	3,485	829	564	3	2	2,643	1,798	10,815	7,357
2026	2,217	1,396	5,123	3,226	829	522	3	2	2,643	1,665	10,815	6,811
2027	2,217	1,292	5,123	2,987	829	484	3	1	2,643	1,541	10,815	6,306
2028	2,217	1,197	5,123	2,765	829	448	3	1	2,643	1,427	10,815	5,838
2029	2,217	1,108	5,123	2,560	829	415	3	1	2,643	1,321	10,815	5,405
2030	2,217	1,026	5,123	2,370	829	384	3	1	2,643	1,223	10,815	5,004
P/T	22,167	14,866	51,233	34,359	8,294	5,563	26	17	26,433	17,727	108,153	72,532

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

YEAR	SAN LUIS CANAL - TRACY								SHASTA D&R							
	PACHECO WD		PANOCHÉ WD		SAN LUIS WD		TOTAL		CENTERVILLE CSD		MOUNTAIN GATE CSD		SHASTA CWA		TOTAL	
	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW
2021	11	10	83	77	438	406	532	493	585	542	535	495	110	102	1,230	1,139
2022	11	9	83	72	438	375	532	456	585	501	535	458	110	95	1,230	1,054
2023	11	9	83	66	438	348	532	423	585	464	535	424	110	88	1,230	976
2024	11	8	83	61	438	322	532	391	585	430	535	393	110	81	1,230	904
2025	11	7	83	57	438	298	532	362	585	398	535	364	110	75	1,230	837
2026	11	7	83	53	438	276	532	336	585	368	535	337	110	70	1,230	774
2027	11	6	83	49	438	255	532	310	585	341	535	312	110	64	1,230	717
2028	11	6	83	45	438	236	532	287	585	316	535	289	110	60	1,230	664
2029	11	5	83	42	438	219	532	266	585	292	535	267	110	55	1,230	614
2030	11	5	83	39	438	203	532	247	585	271	535	247	110	51	1,230	569
P/T	110	74	834	561	4,380	2,938	5,324	3,573	5,850	3,923	5,346	3,585	1,104	741	12,300	8,249

M&I Full Cost 2021 Sch FC-4.Z23
1/13/2021

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

YEAR	SPRING CREEK CONDUIT								TEHAMA-COLUSA CANAL					
	CITY OF REDDING		SHASTA WA		SHASTA CSD		TOTAL		COLUSA COUNTY WD		KANAWA WD		TOTAL	
	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW	AF	PW
2021	4,707	4,358	99	91	339	314	5,145	4,763	127	118	17	16	145	134
2022	4,707	4,034	99	84	339	291	5,145	4,410	127	109	17	15	145	124
2023	4,707	3,735	99	78	339	269	5,145	4,083	127	101	17	14	145	115
2024	4,707	3,458	99	72	339	249	5,145	3,780	127	94	17	13	145	106
2025	4,707	3,202	99	67	339	231	5,145	3,499	127	87	17	12	145	99
2026	4,707	2,964	99	62	339	214	5,145	3,240	127	80	17	11	145	91
2027	4,707	2,744	99	57	339	198	5,145	3,000	127	74	17	10	145	84
2028	4,707	2,541	99	53	339	183	5,145	2,777	127	69	17	9	145	78
2029	4,707	2,352	99	49	339	170	5,145	2,571	127	64	17	9	145	72
2030	4,707	2,178	99	46	339	157	5,145	2,380	127	59	17	8	145	67
P/T	47,067	31,565	986	661	3,394	2,276	51,447	34,503	1,274	855	174	117	1,449	971

M&I Full Cost 2021 Sch FC-4.Z23
1/13/2021

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

YEAR	TOYON PIPELINE							
	CITY OF REDDING		CITY OF SHASTA LAKE		US FOREST SVC		TOTAL	
	AF	PW	AF	PW	AF	PW	AF	PW
2021	21	19	1,181	1,093	1	1	1,203	1,114
2022	21	18	1,181	1,012	1	1	1,203	1,031
2023	21	17	1,181	937	1	1	1,203	955
2024	21	15	1,181	868	1	1	1,203	884
2025	21	14	1,181	803	1	1	1,203	818
2026	21	13	1,181	744	1	1	1,203	758
2027	21	12	1,181	689	1	1	1,203	701
2028	21	11	1,181	637	1	1	1,203	649
2029	21	10	1,181	590	1	0	1,203	601
2030	<u>21</u>	<u>10</u>	<u>1,181</u>	<u>546</u>	<u>1</u>	<u>0</u>	<u>1,203</u>	<u>557</u>
P/T	210	141	11,810	7,920	10	7	12,030	8,068

CENTRAL VALLEY PROJECT
SCHEDULE OF PROJECTED M&I WATER DELIVERIES FOR FISCAL YEARS 2021-2030
AND PRESENT WORTH @ .08012 FOR CALCULATION OF CONSTRUCTION COST PER ACRE-FOOT

FOOTNOTES

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