RECLAMATION
Managing Water in the West
U.S. Department of the Interior
Bureau of Reclamation

M&I 2014 Sch A-5 F.Z16.XLSM
2/19/2014

CENTRAL VALLEY PROJECT
SCHEDULE OF M&I CONSTRUCTION AND PROJECT USE ENERGY COSTS BY COMPONENT
AS OF SEPTEMBER 30, 2012
2014 M&I WATER RATES

A	B	C	D	E	F	G
		Allocation of Project Use Energy Construction Costs				
				CVP PUE Construction Costs as of 9/30/12		
Facility/Contractor	M&I Construction Costs at 09/30/12	Historical & Projected (1981-2030) KWH Per AF [2/]	Ratio of Total	(BOR) [2/]	(DOE) [2/]	Total M&I Construction Costs at 09/30/12
Ref	<Cost Allocation>	<Sch A-7 & CVO)	(C/Total C)	(D*Total PUE BOR)	(D*Total PUE DOE)	(B+E+F)
Storage [1/]						
San Felipe Unit Contractors	$ 6,821,203	$ -	-	$ -	$ -	$ 6,821,203
All Other Contractors	$ 30,330,939	$ 205,812,194	0.031985	$ 476,007	$ 370,640	$ 31,177,587
Total Storage	$ 37,152,142	$ 205,812,194	0.031985	$ 476,007	$ 370,640	$ 37,998,789
Conveyance						
Contra Costa WD [3/]	$ -					$ -
All Other Contractors	$ 21,083,685					$ 21,083,685
Total Conveyance	$ 21,083,685					$ 21,083,685
Conveyance Pumping						
Dos Amigos Pumping Plant	$ 209,581	$ 101,082,513	0.015709	$ 233,786	$ 182,036	$ 625,403
O'Neill Pump-Generator Plant	$ 1,331,446	$ 310,665,646	0.048280	$ 718,515	$ 559,467	$ 2,609,428
Tracy Pumping Plant	$ 1,885,212	$ 2,058,680,103	0.319937	$ 4,761,365	$ 3,707,403	$ 10,353,980
Total Conveyance Pumping	$ 3,426,239	$ 2,470,428,262	0.383926	$ 5,713,666	$ 4,448,906	$ 13,588,811
Direct Pumping						
Bella Vista WD (Wintu PP)	$ 312,800	$ 86,234,790	0.013402	$ 199,446	$ 155,297	$ 667,543
Colusa County WD	$ -	$ 701,800	0.000109	$ 1,623	$ 1,264	$ 2,887
Contra Costa Pumping Plants	$ -	$ 1,038,342,116	0.161367	$ 2,401,503	$ 1,869,913	$ 4,271,416
Kanawha WD	$ -	$ 8,472	0.000001	$ 20	$ 15	$ 35
Pleasant Valley Pumping Plant	$ 157,748	$ 3,774,761	0.000587	$ 8,730	$ 6,798	$ 173,276
Pleasant Valley WD Canalside Relift PP	$ 19,429	$ 48,236	0.000007	$ 112	$ 87	$ 19,627

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Ref	<Cost Allocation>	<Sch A-7 & CVO)	(C/Total C)	(D*Total PUE BOR)	(D*Total PUE DOE)	(B+E+F)
San Benito County WD						
Pacheco Pumping Plant	$ -	$ 42,904,763	0.006668	$ 99,231	$ 77,266	$ 176,497
Gianelli, William R. Pump-Generator Plant [1/]	$ 35,398	$ 64,704,138	0.010056	$ 149,649	$ 116,523	$ 301,571
San Luis WD Canalside Relifts & Turnouts	$ -	$ 12,559,223	0.001952	$ 29,047	$ 22,617	$ 51,665
Santa Clara Valley WD						
Coyote Pumping Plant	$ -	$ 249,369,384	0.038754	$ 576,748	$ 449,080	$ 1,025,828
Pacheco Pumping Plant	$ -	$ 866,403,831	0.134647	$ 2,003,840	$ 1,560,276	$ 3,564,115
Gianelli, William R. Pump-Generator Plant [1/]	$ 714,811	$ 1,306,612,819	0.203059	$ 3,021,966	$ 2,353,032	$ 6,089,809
Shasta Pumping Plant	$ 314,152	$ 68,022,630	0.010571	$ 157,324	$ 122,500	$ 593,976
State-Delta Pumping Plant (Cross Valley Canal)	$ -	$ 4,962,252	0.000771	$ 11,477	$ 8,936	$ 20,413
Westlands WD Canalside Relift PP	$ 525,832	$ 13,759,258	0.002138	$ 31,823	$ 24,779	$ 582,434
Total Direct Pumping	$ 2,080,169	$ 3,758,408,473	0.584089	$ 8,692,538	$ 6,768,383	$ 17,541,090
Other Costs [4/]	$ 4,955,632					$ 4,955,632
Total	$ 68,697,867	$ 6,434,648,929	1.000000	$ 14,882,211	$ 11,587,929	$ 95,168,007

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Footnotes

1/ Allocation of Storage Costs:

	San Felipe Unit	Suballocation of Storage Costs (Dir. Pump. Appl. to SL/PG)			
	Storage	San Benito	Santa Clara	All Other Storage Contractors	Total
Historical and Projected 1981-2030 M&I Deliveries (Sch A-7)	4,325,921	204,114	4,121,807	17,329,591	21,655,512
Ratios	0.199761	0.047184	0.952816	0.800239	1.000000
Allocated Gianelli, WR Pump-Generator Costs	$ 750,209	$ 35,398	$ 714,811	$ 3,005,323	$ 3,755,531
Allocated Other Storage Costs	$ 6,821,203	$ -	$ -	$ 27,325,617	$ 34,146,819
Total	$ 7,571,412	$ 35,398	$ 714,811	$ 30,330,939	$ 37,902,351

2/ These costs represent the total Pumping Project Use Power costs allocated to Irrigation for the CVP Bureau of Reclamation (BOR) and Western Area Power Administration (DOE). The costs are allocated to components based on the ratios identified above under "Allocation of Project Use Energy Costs". They are then suballocated to individual facilities based on the historical and projected 1981-2030 KWHs/AF.

3/ Allocated costs are recovered through a repayment contract.

4/ This amount includes Level 2 Refuge Water Supply and Trinity River Restoration Program