

Calculation of Efficiency Equation Slope and Y-Intercept for Adjusted OCAP

		Adjusted OCAP (continued)															
		59,500	59,000	58,500	58,000	57,500	57,000	56,500	56,000	55,500	55,000	54,500	54,000	53,500	53,000	52,500	52,000
Irrigated Acreage		59,500	59,000	58,500	58,000	57,500	57,000	56,500	56,000	55,500	55,000	54,500	54,000	53,500	53,000	52,500	52,000
Max. Headgate Ent.		207893	206146	204399	202652	200905	199158	197411	195664	193917	192170	190423	188676	186929	185182	183435	181688
Distribution Losses																	
Evaporation																	
Canal/Laterals		5868	5837	5806	5775	5743	5712	5681	5650	5619	5588	5557	5526	5495	5464	5433	5402
Reg. Reservoirs		7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500	7500
Seepage																	
Canal/Laterals		46846	46458	46070	45682	45293	44905	44517	44129	43741	43352	42964	42576	42188	41800	41411	41023
Reg. Reservoirs		4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
Operational Losses		38474	38257	38039	37822	37604	37387	37170	36952	36735	36517	36300	36083	35865	35648	35430	35213
Total System Losses		102688	102051	101415	100778	100141	99505	98868	98231	97595	96958	96321	95685	95048	94411	93775	93138
100% Use of Ent.																	
Allowable Diversion		310581	308197	305814	303430	301046	298663	296279	293895	291512	289128	286744	284361	281977	279593	277210	274826
Convey. Efficiency		66.94%	66.89%	66.84%	66.79%	66.74%	66.68%	66.63%	66.58%	66.52%	66.47%	66.41%	66.35%	66.29%	66.23%	66.17%	66.11%
75% Use of Ent.																	
Entitlement Unused		51973	51537	51100	50663	50226	49790	49353	48916	48479	48043	47606	47169	46732	46296	45859	45422
Headgate Delivery		155920	154610	153299	151989	150679	149369	148058	146748	145438	144128	142817	141507	140197	138887	137576	136266
Diversion Reduction		60154	59649	59143	58638	58132	57627	57121	56616	56110	55605	55099	54594	54088	53583	53077	52572
Allowable Diversion		250427	248549	246670	244792	242914	241036	239158	237280	235401	233523	231645	229767	227889	226011	224133	222254
Convey. Efficiency		62.26%	62.20%	62.15%	62.09%	62.03%	61.97%	61.91%	61.85%	61.78%	61.72%	61.65%	61.59%	61.52%	61.45%	61.38%	61.31%
Slope		0.1870	0.1873	0.1876	0.1879	0.1882	0.1886	0.1889	0.1892	0.1895	0.1899	0.1902	0.1906	0.1909	0.1913	0.1916	0.1920
Y-Intercept		48.24	48.16	48.08	47.99	47.91	47.83	47.74	47.66	47.57	47.48	47.39	47.30	47.20	47.11	47.01	46.91

Note: (1) The average water duty with Adjusted OCAP assumed to be 3.494 acre-feet/acre based on 1995 conditions.  
 (2) The conveyance efficiency of the unused entitlement (75% use) assumed to be 86.4% based on Figure 1 and Table 1 of 1988 OCAP.