

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

	1988 OCAP		With Adjusted OCAP												
	Projected for 1992	Without added ac.	64,850	61,630	64,850	64,500	64,000	63,500	63,000	62,500	62,000	61,500	61,000	60,500	60,000
Irrigated Acreage	64,850	61,630	64,850	64,500	64,000	63,500	63,000	62,500	62,000	61,500	61,000	60,500	60,000		
Max. Headgate Entitlement	237,485	226,555	226,586	225,363	223,616	221,869	220,122	218,375	216,628	214,881	213,134	211,387	209,640		
Distribution System Losses															
Evaporation															
Canals/Laterals	6,200	6,000	6,200	6,178	6,147	6,116	6,085	6,054	6,023	5,992	5,961	5,930	5,899		
Reg. Reservoirs	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500	7,500		
Seepage															
Canals/Laterals	51,000	48,500	51,000	50,728	50,340	49,952	49,564	49,175	48,787	48,399	48,011	47,623	47,234		
Reg. Reservoirs	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000		
Operational Losses	40,800	39,400	40,800	40,648	40,430	40,213	39,996	39,778	39,561	39,343	39,126	38,909	38,691		
Total System Losses	109,500	105,400	109,500	109,054	108,418	107,781	107,144	106,508	105,871	105,234	104,598	103,961	103,325		
100% Use of Entitlement:															
Allowable Diversion	346,985	331,955	336,086	334,417	332,034	329,650	327,266	324,883	322,499	320,115	317,732	315,348	312,965		
Conveyance Efficiency	68.44%	68.25%	67.42%	67.39%	67.35%	67.30%	67.26%	67.22%	67.17%	67.13%	67.08%	67.03%	66.99%		
75% Use of Entitlement:															
Headgate Ent. Unused	59,371	56,639	56,646	56,341	55,904	55,467	55,031	54,594	54,157	53,720	53,284	52,847	52,410		
Headgate Delivery	178,114	169,916	169,939	169,022	167,712	166,402	165,092	163,781	162,471	161,161	159,851	158,540	157,230		
Diversion Reduction	68,717	65,554	65,563	65,209	64,704	64,198	63,693	63,187	62,682	62,176	61,671	61,165	60,660		
Allowable Diversion	278,268	266,401	270,523	269,208	267,330	265,452	263,574	261,696	259,817	257,939	256,061	254,183	252,305		
Conveyance Efficiency	64.01%	63.78%	62.82%	62.78%	62.74%	62.69%	62.64%	62.58%	62.53%	62.48%	62.43%	62.37%	62.32%		
Slope	0.1774	0.1787	0.1840	0.1842	0.1845	0.1847	0.1850	0.1853	0.1856	0.1858	0.1861	0.1864	0.1867		
Y-Intercept	50.70	50.38	49.02	48.97	48.90	48.83	48.76	48.69	48.62	48.54	48.47	48.39	48.31		

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.

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 Adjusted OCAP (continued)