

EXHIBIT 6

EXHIBIT "B"

Applied Crop Water Duty

Crop	Applied Water (AF/Acre)
Alfalfa	7.0
Carrots	4.5
Grain	4.5
Onions	4.5

To estimate your use of water, use Table I and Table II.

- (1) Indicate the crop type and number of acres using Table I.
- (2) Find the average irrigation requirement for each crop using Table II.
- (3) Multiply acres (column 1) to applied water depth (column 2) to determine the amount pumped (column 3).
- (4) Total all amounts in column 3 to determine total irrigation use.

TABLE I: AGRICULTURAL WATER USE WORKSHEET

CROP	COLUMN 1	COLUMN 2	COLUMN 3
	ACRES	AVERAGE APPLIED WATER DEPTH (acre-feet per acre)	AMOUNT PUMPED (acre-feet) (column 1 X column 2)
CONVERSION FACTORS One acre-foot (af) = 43,560 cubic feet = 325,900 gallons One miner's inch is approximately 9 gallons per minute. An acre-foot covers one acre of land, one foot deep			TOTAL IRRIGATION USE

TABLE II: AVERAGE DEPTH OF WATER APPLIED TO IRRIGATE EACH CROP (acre-feet per acre)¹

LOCALITY ²	ALFALFA	AVOCADOS	BEANS	DATES	LEMONS	LETTUCE	PERMANENT PASTURE	TOMATOES
1. Los Angeles County								
a. Coastal Basin		2.0-2.5			2.0-2.5	2.0-2.5		
b. Antelope Valley	7.6						7.4	
2. Eastern Riverside County								
a. Coachella & Blythe Area	9.0-10.0			7.9-9.0	5.5-6.0	3.6-4.2	9.0-10.0	4.3-6.4
3. Western Riverside County	4.0-4.5	2.5-3.0			2.5-3.0	2.0-2.5	4.5-5.0	
4. San Bernardino County								
a. Chino Area	4.0-4.5	2.5-3.0			2.5-3.0	2.0-2.5	4.5-5.0	2.3-2.5
b. San Bernardino Area	4.0-4.5	2.5-3.0			2.5-3.0	2.0-2.5	4.0-5.0	2.3-2.5
c. Barstow-Apple Valley	6.0-6.5						6.0-6.5	
d. Ontario	4.0-4.5	2.5-3.0			2.5-3.0		4.0-5.0	2.3-2.5
e. Highlands-Redlands	4.0-4.5	2.5-3.0			2.5-3.0		4.0-5.0	2.3-2.5
5. Ventura County	4.0-4.5	2.3-2.5	1.3-1.5		2.3-2.5	2.0-2.5	4.0-4.5	2.0-2.5

¹ Based on information provided by Agricultural Extension Service of the University of California.

Updated: Department of Water Resources, Southern District // Backup data for the California Water Plan, Bulletin 160-98. Date August 21, 2000

² Unit use values for crops grown in each region.

Crop Duty Table
 Summary Expert Report, Appendix D-3: Table 4

Appendix D-3: Table 4 Applied Crop Water Duties and Irrigation Efficiency Values (DU = 80%) Antelope Valley Area of Adjudication										
Crop	ET _c ¹ (in)	P _e ² (in)	ET _{req} ³ (in)	DU ⁴ (%)	AW _c ⁵ (in)	AW _{pr} ⁶ (in)	AW _{pr} ⁷ (in)	AW _v ⁸ (in)		E _{ir} ⁹ (%)
Alfalfa	62.10	1.77	60.33	80	75.42	0	2.0	77.42	6.5	81
Carrots	27.47	0.00	27.47	80	34.33	0	6.5	40.83	3.9	85
Grain	22.94	1.42	21.52	80	26.90	0	4.0	30.90	2.6	83
Micro-Squash	23.91	0.00	23.91	80	29.88	0	4.0	33.88	2.8	82
Onions	37.57	0.00	37.57	80	46.96	3	4.0	53.96	4.5	83
Orchard (Deciduous)	47.38	0.00	47.38	80	58.22	0	0.0	58.22	4.9	80
Pasture	66.18	1.77	64.42	80	80.53	0	0.0	80.53	6.7	80
Potatoes	24.02	0.00	24.02	80	30.03	0	4.0	34.03	2.6	82
Silage	27.31	0.00	27.31	80	34.14	0	4.0	38.14	3.2	82
Sugar Beets	40.55	0.00	40.55	80	50.68	0	4.0	54.68	4.6	81
Vineyard (Grapes)	35.33	0.00	35.33	80	44.16	0	0.0	44.16	3.7	80

¹ ET_c = K_c * ET, where ET_c = average ET_c for specified periods, based on data from Victorville CWS Station, 1984-2002; K_c values from Univ. California Cooperative Extension
² P_e = effective precipitation offsetting ET_c, up to 1/2 of the average precipitation, in Dec. - Feb., including
³ ET_{req} = crop water requirement of applied water = ET_c - P_e
⁴ DU = irrigation distribution uniformity
⁵ AW_c = applied water for crop requirement = ET_{req} / DU
⁶ AW_{pr} = applied water for pre-irrigation
⁷ AW_{pr} = applied water for field preparation and pre-irrigation
⁸ AW_v = applied crop water duty = AW_c + AW_{pr} + AW_{pr}
⁹ E_{ir} = overall irrigation efficiency for beneficial uses = (ET_{req} + AW_c + AW_{pr}) / AW_v