

*Quantity Required at Pilot Knob*¹

	<i>Acre-feet</i>
Consumptive use by crops.....	4.26 × 434,000 = 1,849,000
Leaching requirement and/or irrigation efficiency.....	(5.75 - 4.26) × 434,000 = 647,000
System regulation and system loss.....	6.8 - 5.75 × 434,000 = 456,000

Total required to IID at Pilot Knob¹..... 2,952,000

¹ Based on use of Blaney-Criddle formula.

T-1037.—DISTRIBUTION PRESENT USES, IMPERIAL UNIT, 1964-66

[In thousands of acre-feet]

	1964	1965	1966	Average, 3 years
To Imperial Irrigation District at Pilot Knob.....	2,808	2,688	2,886	2,794
Loss, Pilot Knob to Drop 1 (Imperial Irrigation District).....	37	64	69	57
Loss, Drop 1 to EHL.....	35	43	49	42
Loss, EHL to WSM.....	18	19	21	19
Gross AA canal loss.....	90	126	139	118
Canal loss and regulation ¹	283	223	249	252
Total all Imperial Irrigation District losses.....	373	349	388	370
Spill for system regulation.....	36	27	28	30
Total for system regulation and canal loss.....	409	376	416	400
Total deliveries to users.....	2,399	2,312	2,470	2,394
System efficiency, percent.....	85.4	86.0	85.6	85.7
Gross area of crops, acres ²	548	554	581	561
Net acreage irrigated, acres ³	432	432	437	434
Delivered to users, acre-feet per acre of crop.....	4.38	4.17	4.25	4.27
Delivered to users, acre-feet per acre irrigated.....	5.55	5.35	5.65	5.52
At Pilot Knob, acre-feet per acre irrigated.....	6.50	6.22	6.60	6.44

¹ Canal loss and regulation includes seepage, transpiration and evaporation losses, unmeasured deliveries to some 1,500 or more service pipes, deliveries to farm homes, and farms less than 2 acres.

² Round to 85 percent.

³ In thousand acres.

T-1038.—WATER DISTRIBUTION, 1964-66

[In thousands of acre-feet]

Year	Received at Pilot Knob	Operational loss			Canal loss and regulation				Delivered to users
		Main canals	Lateral canals	Total	A.A.C.	Main canals	Lateral canals	Total	
1964.....	2,808	12	24	36	90	81	202	373	2,399
1965.....	2,688	11	16	27	126	67	156	349	2,312
1966.....	2,886	12	16	28	139	76	173	388	2,470
3-year average..	2,794	12	18	30	118	75	177	370	2,394