

TABLE 9A-8: Non MRGCD Irrigation Systems, Proposed Off-Farm Conveyance Improvements

All land, water, crop and cost numbers presented in this table are based on published documents or data from agencies, many of which use estimates or placeholder assumptions to assign values. These values are based in part on empirical data (measurements, studies) however, they should not be considered as measured data. Therefore, the results of this analysis should be viewed as conceptual only and not as factual. Specific, more accurate data needs include, cropped acreages, crop irrigation requirements, on- and off-farm efficiency coefficients. References for all source documents have been provided.

Notes and Assumptions

1 Total system main-canal length estimated at	89	ft per acre of irrigated land
2 Total system D-canal length estimated at	54	ft per acre of irrigated land
3 Percentage of canals to be lined	35%	

#	Name of Community Ditch or Acequia	Source	Approximate Irrigated Area	Off-Farm Main Canal Length	Off-Farm D-Canal Length	Cost to Line Main Canals	Cost to Line 65% D-Canals	Total Cost to Line Canals
1	2	3	4	5	6	7	8	9
			acres	feet	feet	\$	\$	\$
1	Upper West Ditch	Jemez River	53.4	4,753	2,884	\$ 139,042	\$ 50,206	\$ 189,249
2	East Lateral	Jemez River	10.6	943	572	\$ 27,600	\$ 9,966	\$ 37,566
3	Jemez Spring Ditch	Jemez River	43.9	3,907	2,371	\$ 114,306	\$ 41,274	\$ 155,581
4	West Side Ditch	Jemez River	9.1	812	492	\$ 23,747	\$ 8,575	\$ 32,321
5	West Ditch	Jemez River	9.8	872	529	\$ 25,517	\$ 9,214	\$ 34,731
6	South Upper Ditch	Jemez River	15.6	1,388	842	\$ 40,619	\$ 14,667	\$ 55,286
7	San Ysidro Ditch	Jemez River	484.5	43,121	26,163	\$ 1,261,536	\$ 455,522	\$ 1,717,058
8	East and West Sandoval Ditch	Jemez River	30.5	2,715	1,647	\$ 79,416	\$ 28,676	\$ 108,091
9	La Jara Ditch	La Jara Creek	1,400.0	124,600	75,600	\$ 3,645,305	\$ 1,316,266	\$ 4,961,571
10	Placitas Community Ditch	Las Huertas Creek	150.0	13,350	8,100	\$ 390,568	\$ 141,028	\$ 531,597
11	Lagunitas Community Ditch	Nacimiento Creek	92.0	8,188	4,968	\$ 239,549	\$ 86,497	\$ 326,046
12	Nacimiento Comm. Ditch Assoc.	Nacimiento Creek	713.5	63,502	38,529	\$ 1,857,804	\$ 670,826	\$ 2,528,629
13	Ponderosa Community Ditch	Paliza Creek (Vallecitos Ck.)	319.1	28,400	17,231	\$ 830,869	\$ 300,015	\$ 1,130,884
14	Canon Community Ditch	Rio Guadalupe	192.5	17,133	10,395	\$ 501,229	\$ 180,987	\$ 682,216
15	Vallecitos Ditch	Rio Puerco	117.0	10,413	6,318	\$ 304,643	\$ 110,002	\$ 414,646
16	Rio Puerco Ditch	Rio Puerco	100.0	8,900	5,400	\$ 260,379	\$ 94,019	\$ 354,398
17	Ortiz Ditch	Rio Puerco	7.0	623	378	\$ 18,227	\$ 6,581	\$ 24,808
18	Garcia Lucero Ditch	Rio Puerco	400.0	35,600	21,600	\$ 1,041,516	\$ 376,076	\$ 1,417,592
19	Acequia De Los Utes	Rito los Utes	40.0	3,560	2,160	\$ 104,152	\$ 37,608	\$ 141,759
20	Los Pinos Ditch	Rito los Pinos	397.0	35,333	21,438	\$ 1,033,704	\$ 373,255	\$ 1,406,960
21	La Cueva Ditch	La Jara Creek	53.4	4,753	2,884	\$ 139,042	\$ 50,206	\$ 189,249
Totals			4,638.9	412,864	250,502	\$ 12,078,771	\$ 4,361,466	\$ 16,440,237

Total of non MRGCD lining (construction only)	\$	16,440,237	
Add cost of new diversions/structures	\$	2,466,036	15.0%
Add Contingencies	\$	822,012	5.0%
Add Feasibility Studies	\$	246,604	1.5%
Add Environmental Studies (CWA, NEPA, ESA, e.g.)	\$	82,201	0.5%
Add Engineering, Surveying, other services	\$	1,972,828	12.0%
Grand Total	\$	22,029,918	(includes no annual financing costs)
Possible Diverted Water Savings (acre-feet)		3,051	
Cost per acre foot of diverted water reduced	\$	5,389	
7 Years to Implement Program	\$	3,147,131	per year