TABLE 10A-3: Middle Rio Grande Irrigation Systems: Details of Proposed On-Farm Water and Agricultural Support Project

Notes and Assumptions

1	**Carry Out Studies**	a	Catalog and characterize all farmers and farmer/farm institutions in 3 county region	$	250,000
this analysis should be viewed as conceptual only and not as factual.			Catalog farm and farmer types: Production farmers, supplemental Income farmers, other irrigators		
		b	Carry out OFWM studies: How is water used on local farms in study area?	$	150,000
		c	Carry out crop and market studies: What is grown? Why? What else can be grown?	$	125,000
			How can we help local farmers be more productive? Support farmers? **Other existing markets?**	**$**	**525,000**
2	Assume that farmer assistance can be delivered through a five year outreach program that provides more qualified professional staff to work with local farmers				
	Develop and implement a Middle Rio Grande On-Farm Water Management Project (MRGOFWM)				
	Implementers: MRGCD, USDA/NRCS, NMSU, Ag. Extension Service, Farm Bureau, Consulting Firms				
3	Project Goals	a	Promote **profitable, sustainable, vital** agriculture in Sandoval, Bernalillo, and Valencia Counties		
		b	Form and institutionalize a MRG farmer assistance agriculture program and office as part of MRGCD		
		c	Develop on-line and other farmer information systems and linkages to MRGCD, NRCS, NMAg. Ext.		
		d	Develop and formalize MRGCD linkage to all farmers in the three county area		
		e	Strengthen Farm Bureau, build farmer trust		
		f	OFWM Goals		
			i Train 1,500 farmers in efficient on-farm water use; agrimet data, water application		
			ii Promote efficient land preparation practices		
			iii Promote land leveling		
			iv Increase on-farm lined and piped conveyance systems		
			v Increase MRGCD and small Sandoval systems E_f from 50% to 76%		
		g	Other agricultural and farmer goals		
			i Train farmers in agriculture and horticulture (crop diversification)		
			ii Train farmers in marketing (maximize farm revenue)		
			iii Train farmers in land reform (maintain farm size)		
		h	Develop and implement 3 county area farming education program (middle and high schools)		
4	**Project Inputs**	a	Provide 9 senior and 6 junior professional staff members to implement program		**Estimated Five Year Input Costs**
			i 1-Director, 1-Training Spec., 1-Market Spec's, 2-OFWM Spec's, 3-Hoticulturalists, 1-Agricultural Engineer		
			ii 6 - Farm Outreach Technical Specialists	$	9,000,000
		b	Matching land preparation grants (90%) - 1,000 farms	$	2,500,000
		c	Matching land leveling grants (90%) -1,000 farms	$	3,500,000
		d	60 demonstration High Value Crops (HVCs) demonstration farms	$	1,500,000
		e	60 demonstration high efficiency OFWM farms	$	1,500,000
		f	Matching OFWM grants - lining/piping/meters (90%) -1,000 farms	$	5,000,000
		g	120 computers, software, web pages, training materials	$	730,000
		h	15 study tours - 20 farmers each	$	750,000
		i	250 farmers trained at external training courses	$	500,000
		j	20 On-site Farmer and Farming seminars	$	400,000
		k	Middle and High school curricula	$	400,000
		l	Monitoring, Reporting, Evaluation	$	300,000
				$	**25,780,000**

Possible On Farm Water Savings (acre-feet)		**42,130**	Reduction in Farm Delivery Requirement
Cost per acre foot of water saved	**$**	**624**	Includes project cost and study cost