1333

STATE OF COLORADO
DEPARTMENT OF LAW

AGRICULTURAL ENGINEERING STUDY
SOUTHERN UTE & UTE MOUNTAIN
UTE INDIAN RESERVATIONS

ANIMAS & FLORIDA WATERSHEDS

FINAL REPORT

DESIGN & COST ESTIMATE FOR
OFF-FARM IRRIGATION FACILITIES &
PIA DETERMINATION

JUNE 1987

BK-C22-100-04/05

8069.100

Boyle Engineering Corporation
consulting engineers / architects
Suite 176
1300 East Shaw Avenue
Fresno, California 93710
209 / 222-8436

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

FINAL REPORT

ANIMAS AND FLORIDA WATERSHEDS

D.1 GENERAL

The purpose of this task report is to present the methodology for determining practicably irrigable acreage (PIA) for the Animas and Florida River Watersheds. The test for PIA requires that the revenues exceed the cost. The land under consideration when cropped and irrigated must return sufficient net positive income to pay for the costs of providing irrigation water to the farm headgate. In order to determine PIA it is necessary to conceptually design an irrigation transmission system to deliver water to the farm headgate for each arable parcel. The annualized cost of the off-farm irrigation water transmission system is compared to the net positive income (payment capacity) of the parcel.

Arable lands were identified by Stoneman and Landers. Potential crops, irrigation water requirements, on-farm irrigation systems cost, and other related agronomic information were prepared by Boyle and presented in Task A and B reports. Economic methodology and net agricultural returns were prepared by Western Research Corporation.

This preliminary PIA analysis compares the preliminary net agricultural return with the cost of water delivery from the primary water source to the parcel headgate. For this preliminary analysis, the highest net agricultural return for each climatic zone is used.

Off-farm irrigation transmission facilities were conceptually designed for those parcels with preliminary payment capacities greater than the off-farm water pumping costs. The pumping cost was re-evaluated, added to the facilities cost, and compared to the preliminary payment capacity.

To complete the PIA analysis, the cropping pattern and payment capacities were reviewed by the economist taking into account the practicality of the cropping pattern for the particular parcel and any agronomic costs that might be particular to the parcel. Several iterations of this process between the economist and the engineer were sometimes necessary in order to develop the most economical parcel and facilities layout. Those parcels that still exhibited positive residual payment capacity after these further analyses were then determined to be practicably irrigable.

D.2 SELECTION OF PARCELS FOR OFF-FARM DESIGN

Parcels to be considered for PIA analysis were identified in the Task B Report along with on-farm irrigation costs. The Task B report identified irrigation costs for handmove sprinkler, sideroll sprinkler, gravity (furrow or basin), center pivot, and center pivot with sprinkler in the corners. Computer tabulation compared on-farm irrigation costs to the crop payment capacity for an alfalfa/barley crop rotation.

The first step in making this task analysis was determination of the

presently irrigated lands on Southern Ute Indian lands. W. W. Wheeler & Associates, Inc., hydrology consultant, identified from aerial photographs and other information available to them the lands presently irrigated and provided to Boyle a marked print of the base map. The amount of irrigated acreage was then planimetered from the base map and tabulated. It should be noted that presently irrigated land covers some land not classified and Class 6 (non-irrigable) soils as determined by Stoneman-Landers, soil consultants.

For the remaining irrigable parcels, an analysis was made to determine the residual water payment capacity when only the off-farm static pumping lift costs where added to the on-farm costs identified in Task B. Based on the elevation of the nearest water supply and the elevation of the highest point in each parcel, the static lift to serve the parcel was calculated using the computer program developed for the Task B report. The power cost to lift the annual water requirement to each field was then calculated assuming a 75 percent pumping plant efficiency which is a conservatively high assumption; and a field delivery pressure of 60 psi for all but gravity irrigated fields.

It should be noted that the parcel water payment capacity residual analysis (Appendix D) was slightly modified from the analysis presented in the Task B draft report. Land leveling costs for gravity irrigated fields were not included in the Task B on-farm costs. The Task B report, however, estimated land leveling

quantities in the range of one foot average cuts at a cost of $0.50 to $1.00 per cubic yard. As a conservatively low estimate, an average 6-inch cut at $0.50 per cubic yard for a total cost of $403 per acre was assumed for this Task D analysis. Amortizing this cost at 8-3/8 percent interest over 50 years gives a cost of $34.40, or in round numbers, $35 per acre. This cost was then included in the on-farm costs for gravity irrigation.

D.3 OFF-FARM IRRIGATION TRANSMISSION SYSTEM COST

D.3.1 General

The off-farm irrigation transmission facilities will generally consists of transmission pipelines, pumping stations, and diversion facilities. Roads for access to pump stations; rights-of-way; and the extension of electrical power services to pumping stations were not included in the cost analysis. Costs for those items included are based on experience with similar facilities. All costs are then amortized using a discount rate of 8-3/8 percent over a 50 year project life.

D.3.2 Pumping Stations

Pump station costs were estimated using an equation which considers flow and horsepower as variables. The equation is based on Boyle's experience with various size agricultural pump stations which include pump motor, pump structure, valves, surge control, and power panel. The equation is:

$$\text{Cost, \$} = 2441(\text{GPM})^{0.41} + 150(\text{HP})^{1.05}$$

Where GPM is the system flow rate in gallons per minute and HP is the gross horsepower.

D.3.3 Pipelines

The cost of pipelines is estimated based on experience in water transmission pipeline work. The least cost type of pipe material for the various diameters is reflected in the estimate. Pipeline costs have been compared with pipeline cost estimates from the United States Bureau of Reclamation (USBR) Dolores Project as well as the Animas-La Plata Definite Plan Report. Installed estimated pipeline costs are shown in Table D.1.

D.3.4 River Diversion Structures

River diversion structures were included for parcels over 30 acres. The diversion structure would be constructed across the river to form a pool of water with sufficient depth for the pump to draw from. A weir type diversion structure consists of a 4 foot high wall with a footing and riprap on each side for stability and protection from ice damage. The estimated cost of the structure is $210 per foot. The diversion structures were estimated to be 50 feet long for the Animas River and 30 feet long for the Florida River.

It may not be practical to build a massive diversion to serve a small parcel. A farmer farming a small parcel with low flow requirements would probably have a simple temporary diversion which could be nothing more than a berm graded across the river with a backhoe or

ANIMAS AND FLORIDA WATERSHEDS

TABLE D.1
PIPELINE COSTS

Pipe Diamet. (inch)	Installed Cost - $/ft[1/]					
	100 psi	150 psi	200 psi	250 psi	300 psi	350 psi
4	10.50	11.00	11.50	12.00	12.50	13.00
6	12.00	12.50	13.00	14.00	14.50	15.00
8	15.50	16.00	17.00	17.50	18.50	20.00
10	20.00	21.00	22.50	23.50	25.00	26.50
12	24.00	26.50	28.50	31.00	33.00	35.00
14	28.50	32.00	35.00	38.00	41.00	44.00
15	31.00	34.50	38.50	42.50	45.50	49.00
16	34.00	37.50	42.00	46.00	50.00	54.00
18	41.00	45.00	50.00	54.00	59.50	65.00
20	48.50	53.00	58.00	63.50	69.00	75.00
21	50.50	55.50	60.50	66.00	71.50	77.00
24	62.00	69.00	75.50	82.00	88.50	95.50
27	75.50	82.00	88.50	96.50	104.00	112.00
30	89.50	96.50	103.00	111.00	120.00	128.50
33	104.50	111.00	116.50	126.50	137.50	148.50
36	115.50	122.00	130.50	142.00	155.00	166.00

1/ Unit construction cost including 10% allowance for appurtenances.

dozer to form a shallow pool for his pump to take suction from if flows in the stream are low. If stream flows were too large to allow installation of a temporary diversion, a low flow could most likely be pumped without a diversion.

The berm may require regrading several times during the irrigation season. However, the overall cost of such diversions is minimal. The decision on the type and size of diversion will vary with each parcel and would require extensive review in the field. Therefore, in order to simplify the analysis it is assumed that no special diversion structure will be required for parcels of 30 acres or less.

In cases where several parcels can be served from one diversion and the combined acreage is over 30 acres, the cost of the diversion is divided between the parcels in proportion to parcel acreage. This approach is believed to be conservative (in favor of generating PIA) and realistic for this type of analysis.

D.3.5 Other Costs

Annual maintenance of major facilities including pipelines, pump stations, and river diversions is estimated at 0.5 percent of the initial construction cost.

The cost of electrical energy is assumed to be $0.068605/KWhr for the Southern Ute area and $0.065039/KWhr for the Mountain Ute area. These are commercial user rates being charged during the first half

of 1985. A detailed discussion of the power costs was previously provided.

D.3.6 Other Costs not Included

Other known costs which could be considered are costs for access roads to the pump stations, right-of-way costs where pipelines or pump stations may be on non-Indian land, and costs to provide electric power service to the pump station. These costs are either minor and/or difficult to estimate with available information. Therefore, for these preliminary analyses, they have not been considered at this time.

The cost of power line extensions to serve pumping facilities could be quite high, especially if three phase power is required. Three phase power will be required for pump stations over 25 horsepower.

D.4 PRELIMINARY PRACTICABLE IRRIGABLE ACREAGE

D.4.1 Existing Irrigated Lands

Lands currently irrigated are assumed to be PIA requiring no further evaluation. Table D.2 summarizes the currently irrigated acreage in the two watersheds. The acreage is also identified on maps included as Figure D.1, D.2, and D.3.

D.4.2 Water Supply

An examination of the hydrology data for the Animas and Florida rivers shows that there is sufficient virgin flow during the summer

ANIMAS AND FLORIDA WATERSHEDS

TABLE D.2
CURRENTLY IRRIGATED ACREAGE

Parcel No.	Currently Irrigated Gross Acres	Non-Irrigated Gross Acres
Animas Watershed		
A36	120	110
A37	11	0
A38	6	0
A39	12	0
A40	4	56
A47	12	12
Unparceled	151	
TOTAL	316	
Florida Watershed		
F8	199	69
F9	104	66
F10	16	13
F11	23	11
F14	315	54
F15	50	
TOTAL	707	

irrigation periods to serve the potential arable lands directly from the rivers. Therefore, it was not necessary to perform any operational studies involving storage reservoirs.

D.4.3 Cropping Pattern

For the preliminary analysis of PIA, a cropping pattern with the highest net agricultural returns was used. Table D.3 identifies this cropping pattern as well as the net agricultural return. Lands in the Animas and Florida Watersheds were located within climatic zones D, E, and F.

D.4.4 Preliminary PIA Analysis

A preliminary PIA analysis was performed comparing a parcel's payment capacity with a preliminary estimate of the cost to pump water from the river to the parcel. This preliminary water cost was based on the static pumping lift (the difference in elevation from the water surface in the river to the elevation of the parcel) for gravity irrigated fields or plus a field delivery pressure of 60 psi for sprinkler irrigation. Detailed tabulations of the analysis are shown in Appendix D.1. Tables D.4 and D.5 identify only those parcels with an initial positive residual payment capacity requiring further consideration.

An off-farm irrigation transmission system was designed for those parcels showing a positive residual payment capacity. Those calculations are shown in Appendix D.2 and summarized in Table D.6

ANIMAS AND FLORIDA WATERSHEDS

TABLE D.3
PRELIMINARY CROPPING PATTERN

Climatic Zone	Elevation Range, ft.	Crop Mix 1/	Maximum Net Agricultural Return 2/ $/ac/yr
A	<5,000	Corn, Soybeans	375
B	5,000-5,400	Corn, Soybeans	330
C	5,400-5,800	Corn, Soybeans	285
D	5,800-6,200	Alfalfa, Malt Barley	270
E	6,200-6,600	Alfalfa, Malt Barley	240
F	6,600-7,000	Alfalfa, Malt Barley	210
G	7,000-7,400	Alfalfa, Malt Barley	185
H	7,400-7,800	Alfalfa, Malt Barley	160
I	7,800-8,200	Grass Hay, Pasture	85
J	>8,200	Grass Hay, Pasture	70

1/ Cropping mix and maximum net agricultural return provided by Western Research Corporation, April 11, 1986.

2/ Maximum net agricultural returns do not include on-farm irrigation costs.

ANIMAS WATERSHED

TABLE D.4
PARCELS WITH PRELIMINARY RESIDUAL PAYMENT CAPACITY
(Considering pumping only)

Parcel No.	Gross Acres	Prelim. Residual Payment Capacity($/ac/yr) Hndmve.1/	Sdroll.2/	Grav.3/	Cntrpvt.4/	Cpvt/Hmv.5/
A13	14	127	68	97		
A14	14	123	64	93		
A15	12	112	44	81		
A16	6	70	-76	49		
A17	14	121	61	90		
A18	32	134	107	95		
A19	34	124	98	84		
A20	12	93	26	61		
A21	16	124	74	94		
A22	62	6	-10	-53	-113	-105
A25	31	56	27	10		
A26	11	67	-4	33		
A27	7	97	-32	76		
A30	78	15	-1	-46	-84	-76
A32	12	5	-62	-34		
A33	10	19	-57	-19		
A34	14	73	13	39		
A36	110	135	123	85	71	76
A40	56	104	87	53	-28	-19
A41	30	133	105	96		
A42	21	116	82	82		
A43	8	75	-37	49		
A44	14	127	68	97		
A45	11	119	47	89		
A46	45	126	109	78	-22	-13
A48	80	94	77	38	-8	0
A49	162	117	99	64	93	83
A50	378	72	53	15	50	41
A51	6	35	-112	9		
A52	39	99	74	51		
A53	21	128	94	95		
A54	54	55	38	1	-77	-68

1/ Hndmve - Handmove sprinkler, on-farm irrigation system.
2/ Sdroll - Sideroll sprinkler, on-farm irrigation system.
3/ Grav - Gravity on-farm irrigation systems.
4/ Cntrpvt - Center pivot sprinkler, on-farm irrigation system.
5/ Cpvt/hmv - Center pivot sprinkler, on-farm irrigation system with hand move in the corners.

FLORIDA WATERSHED

TABLE D.5
PARCELS WITH PRELIMINARY RESIDUAL PAYMENT CAPACITY
(Considering Pumping Only)

Parcel No.	Gross Acres	Prelim. Residual Payment Capacity($/ac/yr) Hndmve.1/	Sdroll.2/	Grav.3/	Cntrpvt.4/	Cpvt/Hmv.5/
F5	45	81	64	30	-64	-55
F7	30	48	18	1		
F8a	46	65	46	10	-79	-70
F8b	23	49	16	7		
F9	66	58	39	0		
F10	29	116	87	77		
F11a	5	62	-103	39		
F11b	6	62	-85	38		
F12	114	71	57	13	12	16
F13	17	108	61	74		
F14	54	61	42	5	-73	-64
F15	14	40	-20	0		
F16	12	44	-25	5		
F17	10	52	-26	13		
F18	6	30	-119	0		
F19	28	74	43	30		
F20	27	76	44	33		

1/ Hndmve - Hand move sprinkler, on-farm irrigation system.
2/ Sdroll - Sideroll sprinkler, on-farm irrigation system.
3/ Grav - Gravity on-farm irrigation system.
4/ Cntrpvt - Center pivot sprinkler, on-farm irrigation system.
5/ Cpvt/hmv - Center pivot sprinkler, on-farm irrigation system with hand move in the corners.

ANIMAS WATERSHED

TABLE D.6
SUMMARY OF OFF-FARM IRRIGATION WATER COST

Parcel No.	Gross Acres	Net Acres 1/	Pay.Cap. $/ac/yr 2/	Water Cost $/ac/yr	Residual Pay.Cap. $/ac/yr
A13	14	14	173	255	-82
A14	14	14	173	232	-59
A15	12	12	168	319	-151
A16	6	6	131	661	-530
A17	14	14	173	299	-126
A18	32	32	193	183	103/
A19	34	34	194	259	-65
A20	12	12	168	543	-375
A21	16	16	179	248	-69
A22	62	61.3	170	455	-285
A25	31	31	166	279	-113
A26	11	11	166	416	-250
A27	7	7	138	289	-148
A30	78	77.2	170	977	-807
A32	12	12	141	2479	-2338
A33	10	10	136	2056	-1920
A34	14	14	173	387	-214
A36	110	108.9	195	154	413/
A40	56	55.4	170	222	-52
A41	30	30	192	187	5
A42	21	21	163	192	-29
A43	8	8	119	377	-258
A44	14	14	173	218	-45
A45	11	11	166	241	-75
A46	45	44.5	171	166	53/
A48	80	79.2	170	191	-21
A49	162	158.7	169	121	483/
A50	378	370.4	169	174	-5
A51	6	6	105	830	-725
A52	39	39	169	211	-42
A53	21	21	163	170	-7
A54	54	53.4	170	357	-187

1/ Net acres for parcel, irrigation system, combination resulting in the highest payment capacity. See Appendix D.1.

2/ Highest preliminary payment capacity from Appendix D.1.

3/ Parcel with positive residual payment capacity.

and D.7. Parcels with an initial positive residual payment capacity after comparing payment capacity to the cost of water are initially identified as practicably irrigable.

D.4.5 Preliminary Practicably Irrigable Acreage Determination

Table D.8 and Figures D.1 through D.3 identify the preliminary practicably irrigable acreage for the Animas and Florida watershed. The preliminary PIA consists of that acreage currently irrigated as well as those determined initially PIA in this report. A total of 695 acres was identified as PIA in the Animas Watershed and 736 acres in the Florida Watershed. The estimated water diversions would be 1881 acre-feet from the Animas River and 1765 acre-feet from the Florida River.

In order to finalize the PIA determination, the cropping pattern and net agricultural returns were re-evaluated by the economist (Western Research Corporation) on a parcel-by-parcel basis and adjusted to reflect individual parcel characteristics. Another engineering analysis comparing the revised payment capacity with a revised off-farm irrigation system and cost was performed as presented in the following Section D.4.6.

D.4.6 Final Practicably Irrigable Acreage Determination

Each of the five non-irrigated parcels which make up the approximately 373 preliminary PIA acres in the Animas Watershed were evaluated by the economist along with the one preliminary PIA parcel

FLORIDA WATERSHED

TABLE D.7
SUMMARY OF OFF-FARM IRRIGATION WATER COST

Parcel No.	Gross Acres	Net Acres 1/	Pay.Cap. $/ac/yr 2/	Water Cost $/ac/yr	Residual Pay.Cap. $/ac/yr
F5	45	44.5	171	288	-117
F6	30	30	139	277	-138
F7	26	26	118	390	-272
F8a	46	45.5	144	371	-227
F8b	23	23	137	776	-670
F9	66	65.3	144	288	-144
F10	29	29	165	161	43/
F11a	5	5	97	352	-255
F11B	6	6	105	452	-347
F12	114	112.8	142	174	-32
F13	17	17	154	214	-60
F14	54	53.4	144	470	-326
F15	14	14	120	796	-676
F16	12	12	115	817	-702
F17	10	10	110	802	-692
F18	6	6	78	1544	-1466
F19	28	28	139	245	-106
F20	27	27	138	298	-160

1/ Net acres for parcel, irrigation system, combination resulting in the highest payment capacity. See Appendix D.1.
2/ Highest preliminary payment capacity from Appendix D.1.
3/ Parcel with positive residual payment capacity.

ANIMAS AND FLORIDA WATERSHEDS

TABLE D.8
SUMMARY OF PRELIMINARY PIA LANDS

Parcel No.	Gross Acres	Net Acres 1/	Pay.Cap. $/ac/yr	Water Cost $/ac/yr	Residual Pay.Cap. $/ac/yr	Diversion Required 2/ ac-ft/yr.
ANIMAS WATERSHED New Lands						
A18	32	32.0	193	183	10	88.6
A36	110	108.9	195	154	41	304.7
A41	30	30.0	192	187	5	83.1
A46	45	44.5	171	166	5	113.0
A49	162	158.7	169	121	48	406.6
Currently Irrigated						
A36	120	118.8				354.0
A37	11	11.0				32.8
A38	6	6.0				17.9
A39	12	12.0				33.2
A40	4	4.0				10.8
A47	12	12.0				32.4
Unparceled	151	149.5				403.7
TOTAL	695	687.4				1,880.8
FLORIDA WATERSHED New Lands						
F10	29	29.0	165	161	4	72.5
Currently Irrigated						
F8	199	197.0				472.8
F9	104	103.0				247.1
F10	16	16.0				43.2
F11	23	23.0				62.1
F14	315	311.9				748.4
F15	50	49.5				118.8
TOTAL	736	729.3				1,765.0

1/ Currently irrigated land net acres estimated based on criteria in Boyle's Task A report.

2/ Currently irrigated land diversion requirements are based on highest water requirements for the climatic zone (gravity irrigation) and cropping pattern with the highest net agricultural return.

consisting of 29 acres in the Florida Watershed. The economics of each parcel were adjusted to reflect its particular characteristics. These characteristics include soil suitability, land clearing and preparation, and farm efficiency adjustments for parcel size. After analysis, one of the parcels in the Animas Watershed was found to not be practicably irrigable. The other four parcels in the Animas Watershed and the parcel in the Florida Watershed were found to qualify as practicably irrigable. The details of the analysis are contained in, "Economic Analysis of Potentially Irrigable Parcels in the Animas and Florida Watershed", December, 1986, prepared by Western Research Corporation.

Four parcels in the Animas Watershed totalling approximately 265 acres and one 29 acre parcel in the Florida Watershed were found to have a positive payment capacity and therefore met the requirement of being practicably irrigable.

APPENDIX D.1

PRELIMINARY PIA ANALYSIS

APPENDIX D.1
LEGEND

Parcel I.D.: S04-A-01, "S11" = Southern Ute Sheet 11; "A" = Animas Watershed; "01" = parcel number.

Field Size: Gross size of parcel in acres.

Reduction Factor: Acreage reduction factor discussed in Task A Report

Net Acreage: The product of field size times reduction factor.

Elevation High and Low: The maximum and minimum elevation within the parcel.

Climatic Zone: Discussed in Task A Report and determined by the parcel's elevation.

Irrigation System Type: Type of on-farm irrigation system.

- HNDMVE - Handmove sprinkler
- SDROLL - Side roll sprinkler
- GRAV - Gravity
- CNTRPVT- Center pivot sprinkler
- CPVT/HMV- Center pivot with handmove

Net Feet: The unit net average irrigation water requirement for the parcel in acre-feet per acre.

Irrigation Efficiency: Irrigation efficiency discussed in Task A Report.

Applied: The unit gross on-farm average irrigation water requirement in acre-feet per acre.

Preliminary Net Ag Return: The preliminary net agricultural return not including the on-farm irrigation system or off-farm irrigation water transmission/distribution system.

Capital: The amortized capital cost per acre per year for the on-farm irrigation system (at 8 3/8% for 50 years) from Task B Report.

Maintenance: The per acre per year maintenance cost of the on-farm irrigation system from the Task B Report.

Labor: The per acre per year labor cost for operation of the on-farm irrigation system from the Task B Report.

Pumping: The per acre per year cost of providing additional on-farm pumping to meet the higher pressure requirements of the center pivot irrigation system.

Preliminary Payment Capacity: The preliminary net ag. returns minus the on-farm irrigation capital, maintenance, labor, and pumping cost in dollars per acre.

Water Source Elevation: The water source diversion point nominal elevation.

Static Lift: The difference in elevation of the parcel's high elevation and and water source elevation in feet.

Annual Power Cost/Acre: The cost of electrical energy per acre per year to serve the parcel considering only the static lift in the case of gravity irrigation or the static lift plus 139 ft. (60 psi) for all types of sprinkler irrigation.

Residual Preliminary Payment Capacity: The result of the preliminary payment capacity minus the annual power cost for pumping at the water supply source in dollars per acre.

INPUT FILE= A:ANNI1
OUTPUT FILE= A:ANNI1.OUT

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
ANNIMUS WATER SHED

1391

PARCEL I.D.	ACREAGE FIELD SIZE (ACRES)	REDUCTION FACTOR	NET ACREAGE	ELEVATION HIGH	ELEVATION LOW	CLIMATIC ZONE	WATER REQUIREMENTS PER ACRE: IRRIG. SYSTEM TYPE	NET FEET	IRRIG. EFF.	APPLIED	PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE: PRELIMINARY NET AG. RETURN	ON-FARM IRRIG. COSTS: CAPITAL	MAINT.	LABOR	PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST: WATER SOURCE ELEV.	STATIC LIFT	ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
511-A-01	6	1	6	6900	6860	F	HNDHVE	1.56	.7	2.22	$ 210	$ 86	$ 14	$ 90	$ 0	$ 78	6020	880	$ 212	$-134
511-A-01	6	1	6	6900	6860	F	SDROLL	1.56	.7	2.22	$ 210	$ 190	$ 67	$ 22	$ 0	$-70	6020	880	$ 212	$-283
511-A-01	6	1	6	6900	6860	F	GRAV	1.56	.65	2.4	$ 210	$ 150	$ 13	$ 24	$ 0	$ 21	6020	880	$ 197	$-175
511-A-02	71	.99	70.2	6890	6760	F	HNDHVE	1.56	.7	2.22	$ 210	$ 34	$ 4	$ 26	$ 0	$ 144	6020	870	$ 210	$-66
511-A-02	71	.99	70.2	6890	6760	F	SDROLL	1.56	.7	2.22	$ 210	$ 55	$ 16	$ 12	$ 0	$ 125	6020	870	$ 210	$-84
511-A-02	71	.99	70.2	6890	6760	F	GRAV	1.56	.65	2.4	$ 210	$ 115	$ 6	$ 27	$ 0	$ 60	6020	870	$ 195	$-135
511-A-02	71	.83	59.1	6890	6760	F	CNTRPVT	1.56	.75	2.08	$ 210	$ 113	$ 45	$ 5	$ 20	$ 25	6020	870	$ 196	$-171
511-A-02	71	.98	69.7	6890	6760	F	CPVT/HNV	1.56	.74	2.1	$ 210	$ 165	$ 39	$ 8	$ 20	$ 35	6020	870	$ 198	$-163
511-A-03	14	1	14	6740	6670	F	HNDHVE	1.56	.7	2.22	$ 210	$ 53	$ 7	$ 28	$ 0	$ 120	6020	720	$ 179	$-38
511-A-03	14	1	14	6740	6670	F	SDROLL	1.56	.7	2.22	$ 210	$ 99	$ 31	$ 19	$ 0	$ 59	6020	720	$ 179	$-119
511-A-03	14	1	14	6740	6670	F	GRAV	1.56	.65	2.4	$ 210	$ 118	$ 7	$ 27	$ 0	$ 55	6020	720	$ 161	$-106
511-A-04	6	1	6	6730	6680	F	HNDHVE	1.56	.7	2.22	$ 210	$ 86	$ 14	$ 30	$ 0	$ 78	6020	710	$ 177	$-98
511-A-04	6	1	6	6730	6680	F	SDROLL	1.56	.7	2.22	$ 210	$ 190	$ 67	$ 22	$ 0	$-70	6020	710	$ 177	$-247
511-A-04	6	1	6	6730	6680	F	GRAV	1.56	.65	2.4	$ 210	$ 150	$ 13	$ 24	$ 0	$ 21	6020	710	$ 159	$-137
511-A-05	7	1	7	6700	6650	F	HNDHVE	1.56	.7	2.22	$ 210	$ 80	$ 12	$ 30	$ 0	$ 86	6020	680	$ 170	$-84
511-A-05	7	1	7	6700	6650	F	SDROLL	1.56	.7	2.22	$ 210	$ 172	$ 60	$ 22	$ 0	$-45	6020	680	$ 170	$-216
511-A-05	7	1	7	6700	6650	F	GRAV	1.56	.65	2.4	$ 210	$ 144	$ 12	$ 24	$ 0	$ 28	6020	680	$ 152	$-124

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
ANIMAS WATER SHED

1362

PARCEL I.D.	ACREAGE FIELD SIZE (ACRES)	ACREAGE REDUCTION FACTOR	ACREAGE NET ACREAGE	ELEVATION HIGH	ELEVATION LOW	CLIMATIC ZONE	IRRIG. SYSTEM TYPE	WATER REQUIREMENTS PER ACRE NET FEET	WATER REQUIREMENTS PER ACRE IRRIG. EFF.	WATER REQUIREMENTS PER ACRE APPLIED	PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE PRELIMINARY NET AG. RETURN	ON-FARM IRRIG. COSTS CAPITAL	ON-FARM IRRIG. COSTS MAINT.	ON-FARM IRRIG. COSTS LABOR	ON-FARM IRRIG. COSTS PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST WATER SOURCE ELEV.	PRELIM. OFF-FARM WATER COST STATIC LIFT	PRELIM. OFF-FARM WATER COST ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
511-A-06	6	1	6	6670	6625	F	HNDMVE	1.56	.7	2.22	$ 210	$ 84	$ 14	$ 30	$ 0	$ 78	6020	650	$ 164	$-85
511-A-06	6	1	6	6670	6625	F	SDROLL	1.56	.7	2.22	$ 210	$ 190	$ 67	$ 22	$ 0	$-70	6020	650	$ 164	$-235
511-A-06	6	1	6	6670	6625	F	GRAV	1.56	.65	2.4	$ 210	$ 150	$ 13	$ 24	$ 0	$ 21	6020	650	$ 146	$-124
511-A-07	28	1	28	6720	6600	F	HNDMVE	1.56	.7	2.22	$ 210	$ 37	$ 5	$ 28	$ 0	$ 139	6020	700	$ 173	$-35
511-A-07	28	1	28	6720	6600	F	SDROLL	1.56	.7	2.22	$ 210	$ 63	$ 18	$ 19	$ 0	$ 107	6020	700	$ 173	$-67
511-A-07	28	1	28	6720	6600	F	GRAV	1.56	.65	2.4	$ 210	$ 107	$ 5	$ 27	$ 0	$ 69	6020	700	$ 157	$-88
511-A-08	5	1	5	6650	6620	F	HNDMVE	1.56	.7	2.22	$ 210	$ 92	$ 15	$ 30	$ 0	$ 71	6020	630	$ 160	$-88
511-A-08	5	1	5	6650	6620	F	SDROLL	1.56	.7	2.22	$ 210	$ 208	$ 74	$ 22	$ 0	$-95	6020	630	$ 160	$-255
511-A-08	5	1	5	6650	6620	F	GRAV	1.56	.65	2.4	$ 210	$ 155	$ 14	$ 24	$ 0	$ 15	6020	630	$ 141	$-126
511-A-09	5	1	5	6625	6600	F	HNDMVE	1.56	.7	2.22	$ 210	$ 92	$ 15	$ 30	$ 0	$ 71	6020	605	$ 155	$-83
511-A-09	5	1	5	6625	6600	F	SDROLL	1.56	.7	2.22	$ 210	$ 208	$ 74	$ 22	$ 0	$-95	6020	605	$ 155	$-250
511-A-09	5	1	5	6625	6600	F	GRAV	1.56	.65	2.4	$ 210	$ 155	$ 14	$ 24	$ 0	$ 15	6020	605	$ 135	$-120
511-A-10	24	1	24	6710	6610	F	HNDMVE	1.56	.7	2.22	$ 210	$ 39	$ 5	$ 28	$ 0	$ 137	6020	690	$ 172	$-35
511-A-10	24	1	24	6710	6610	F	SDROLL	1.56	.7	2.22	$ 210	$ 66	$ 19	$ 19	$ 0	$ 104	6020	690	$ 172	$-68
511-A-10	24	1	24	6710	6610	F	GRAV	1.56	.65	2.4	$ 210	$ 105	$ 5	$ 27	$ 0	$ 70	6020	690	$ 155	$-84

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
ANNIMUS WATER SHED

1363

PARCEL I.D.	***** ACREAGE ***** FIELD SIZE (ACRES)	REDUCTION FACTOR	NET ACREAGE	ELEVATION HIGH	ELEVATION LOW	CLIMATIC ZONE	**** WATER REQUIREMENTS PER ACRE **** IRRIG. SYSTEM TYPE	NET FEET	IRRIG. EFF.	APPLIED	****** PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE ****** PRELIMINARY NET AC. RETURN	*** ON-FARM IRRIG. COSTS *** CAPITAL	MAINT.	LABOR	PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST WATER SOURCE ELEV.	STATIC LIFT	ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
511-A-11	172	.98	168.5	6720	6500	E,F	HNDHVE	1.76	.7	2.51	$ 240	$ 95	$ 4	$ 30	$ 0	$ 169	6020	700	$ 197	$-28
511-A-11	172	.98	168.5	6720	6500	E,F	SDROLL	1.76	.7	2.51	$ 240	$ 58	$ 16	$ 14	$ 0	$ 131	6020	700	$ 197	$-66
511-A-11	172	.98	168.5	6720	6500	E,F	GRAV	1.76	.65	2.7	$ 240	$ 118	$ 4	$ 30	$ 0	$ 84	6020	700	$ 177	$-92
511-A-11	172	.83	143.2	6720	6500	E,F	CNTRPVT	1.76	.75	2.34	$ 240	$ 63	$ 24	$ 2	$ 8	$ 141	6020	700	$ 184	$-42
511-A-11	172	.98	169	6720	6500	E,F	CPVT/HNV	1.76	.74	2.37	$ 240	$ 59	$ 21	$ 7	$ 19	$ 132	6020	700	$ 184	$-53
511-A-12	9	1	9	6590	6540	E	HNDHVE	1.76	.7	2.51	$ 240	$ 68	$ 10	$ 34	$ 0	$ 126	6020	570	$ 166	$-39
511-A-12	9	1	9	6590	6540	E	SDROLL	1.76	.7	2.51	$ 240	$ 197	$ 45	$ 25	$ 0	$ 91	6020	570	$ 166	$-139
511-A-12	9	1	9	6590	6540	E	GRAV	1.76	.65	2.7	$ 240	$ 133	$ 10	$ 27	$ 0	$ 68	6020	570	$ 166	$-75
511-A-13	14	1	14	6120	6090	D	HNDHVE	1.94	.7	2.77	$ 270	$ 53	$ 7	$ 34	$ 0	$ 173	6080	40	$ 46	$ 127
511-A-13	14	1	14	6120	6090	D	SDROLL	1.94	.7	2.77	$ 270	$ 99	$ 31	$ 24	$ 0	$ 114	6080	40	$ 46	$ 68
511-A-13	14	1	14	6120	6090	D	GRAV	1.94	.65	2.98	$ 270	$ 118	$ 7	$ 34	$ 0	$ 109	6080	40	$ 11	$ 97
511-A-14	14	1	14	6145	6130	D	HNDHVE	1.94	.7	2.77	$ 270	$ 53	$ 7	$ 34	$ 0	$ 173	6090	55	$ 50	$ 123
511-A-14	14	1	14	6145	6130	D	SDROLL	1.94	.7	2.77	$ 270	$ 99	$ 31	$ 24	$ 0	$ 114	6090	55	$ 50	$ 64
511-A-14	14	1	14	6145	6130	D	GRAV	1.94	.65	2.98	$ 270	$ 118	$ 7	$ 34	$ 0	$ 109	6090	55	$ 15	$ 93
511-A-15	12	1	12	6160	6120	D	HNDHVE	1.94	.7	2.77	$ 270	$ 57	$ 8	$ 34	$ 0	$ 168	6080	80	$ 56	$ 112
511-A-15	12	1	12	6160	6120	D	SDROLL	1.94	.7	2.77	$ 270	$ 109	$ 35	$ 24	$ 0	$ 100	6080	80	$ 56	$ 44
511-A-15	12	1	12	6160	6120	D	GRAV	1.94	.65	2.98	$ 270	$ 123	$ 8	$ 34	$ 0	$ 103	6080	80	$ 22	$ 81

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
ANNIMUS WATER SHED

1364

PARCEL I.D.	ACREAGE: FIELD SIZE (ACRES)	REDUCTION FACTOR	NET ACREAGE	ELEVATION: HIGH	ELEVATION: LOW	CLIMATIC ZONE	IRRIG. SYSTEM TYPE	WATER REQUIREMENTS PER ACRE: NET FEET	IRRIG. EFF.	APPLIED	PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE: PRELIMINARY NET AG. RETURN	ON-FARM IRRIG. COSTS: CAPITAL	MAINT.	LABOR	PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST: WATER SOURCE ELEV.	STATIC LIFT	ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
511-A-16	6	1	6	6163	6160	D	HNDHVE	1.94	.7	2.77	$ 270	$ 86	$ 14	$ 97	$ 0	$ 131	6070	93	$ 60	$ 70
511-A-16	6	1	6	6163	6160	D	SDROLL	1.94	.7	2.77	$ 270	$ 190	$ 67	$ 28	$ 0	0-16	6070	93	$ 60	0-76
511-A-16	6	1	6	6163	6160	D	GRAV	1.94	.65	2.98	$ 270	$ 150	$ 13	$ 30	$ 0	$ 75	6070	93	$ 26	$ 49
511-A-17	14	1	14	6125	6075	D	HNDHVE	1.94	.7	2.77	$ 270	$ 58	$ 7	$ 34	$ 0	$ 173	6060	45	$ 52	$ 121
511-A-17	14	1	14	6125	6075	D	SDROLL	1.94	.7	2.77	$ 270	$ 99	$ 31	$ 24	$ 0	$ 114	6060	45	$ 52	$ 41
511-A-17	14	1	14	6125	6075	D	GRAV	1.94	.65	2.98	$ 270	$ 118	$ 7	$ 34	$ 0	$ 109	6060	45	$ 18	$ 90
511-A-18	32	1	32	6160	6120	D	HNDHVE	1.94	.7	2.77	$ 270	$ 36	$ 4	$ 34	$ 0	$ 193	6070	90	$ 59	$ 134
511-A-18	32	1	32	6160	6120	D	SDROLL	1.94	.7	2.77	$ 270	$ 61	$ 17	$ 24	$ 0	$ 166	6070	90	$ 59	$ 107
511-A-18	32	1	32	6160	6120	D	GRAV	1.94	.65	2.98	$ 270	$ 108	$ 5	$ 34	$ 0	$ 121	6070	90	$ 25	$ 93
511-A-19	34	1	34	6200	6135	D	HNDHVE	1.94	.7	2.77	$ 270	$ 35	$ 4	$ 34	$ 0	$ 194	6070	130	$ 69	$ 124
511-A-19	34	1	34	6200	6135	D	SDROLL	1.94	.7	2.77	$ 270	$ 39	$ 17	$ 24	$ 0	$ 168	6070	130	$ 69	$ 98
511-A-19	34	1	34	6200	6135	D	GRAV	1.94	.65	2.98	$ 270	$ 109	$ 5	$ 34	$ 0	$ 120	6070	130	$ 34	$ 84
511-A-20	12	1	12	6220	6180	D,E	HNDHVE	1.94	.7	2.77	$ 270	$ 57	$ 8	$ 34	$ 0	$ 168	6070	150	$ 74	$ 93
511-A-20	12	1	12	6220	6180	D,E	SDROLL	1.94	.7	2.77	$ 270	$ 109	$ 35	$ 24	$ 0	$ 100	6070	150	$ 74	$ 26
511-A-20	12	1	12	6220	6180	D,E	GRAV	1.94	.65	2.98	$ 270	$ 123	$ 8	$ 34	$ 0	$ 103	6070	150	$ 41	$ 61

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
ANNIMUS WATER SHED

1365

PARCEL I.D.	ACREAGE: FIELD SIZE (ACRES)	REDUCTION FACTOR	NET ACREAGE	ELEVATION HIGH	ELEVATION LOW	CLIMATIC ZONE	WATER REQUIREMENTS PER ACRE: IRRIG. SYSTEM TYPE	NET FEET	IRRIG. EFF.	APPLIED	PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE: PRELIMINARY NET AG. RETURN	ON-FARM IRRIG. COSTS: CAPITAL	MAINT.	LABOR	PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST: WATER SOURCE ELEV.	STATIC LIFT	ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
511-A-21	16	1	16	6120	6050	D	HNDHVE	1.94	.7	2.77	$ 270	$ 49	$ 6	$ 34	$ 0	$ 179	6050	70	$ 34	$ 124
511-A-21	16	1	16	6120	6050	D	SDROLL	1.94	.7	2.77	$ 270	$ 89	$ 27	$ 24	$ 0	$ 128	6050	70	$ 34	$ 74
511-A-21	16	1	16	6120	6050	D	GRAV	1.94	.65	2.98	$ 270	$ 113	$ 7	$ 34	$ 0	$ 114	6050	70	$ 19	$ 94
511-A-22	62	.99	61.3	6620	6490	E	HNDHVE	1.76	.7	2.51	$ 240	$ 84	$ 4	$ 30	$ 0	$ 170	6060	560	$ 164	$ 6
511-A-22	62	.99	61.3	6620	6490	E	SDROLL	1.76	.7	2.51	$ 240	$ 55	$ 16	$ 14	$ 0	$ 153	6060	560	$ 164	$-10
511-A-22	62	.99	61.3	6620	6490	E	GRAV	1.76	.65	2.7	$ 240	$ 114	$ 6	$ 30	$ 0	$ 88	6060	560	$ 141	$-53
511-A-22	62	.83	51.6	6620	6490	E	CNTRPVT	1.76	.75	2.34	$ 240	$ 120	$ 48	$ 6	$ 24	$ 40	6060	560	$ 155	$-113
511-A-22	62	.98	60.9	6620	6490	E	CPVT/HNV	1.76	.74	2.37	$ 240	$ 111	$ 42	$ 10	$ 24	$ 50	6060	560	$ 155	$-105
511-A-23	16	1	16	6770	6720	F	HNDHVE	1.56	.7	2.22	$ 210	$ 49	$ 6	$ 28	$ 0	$ 125	6060	710	$ 177	$-51
511-A-23	16	1	16	6770	6720	F	SDROLL	1.56	.7	2.22	$ 210	$ 89	$ 27	$ 19	$ 0	$ 78	6060	710	$ 177	$-103
511-A-23	16	1	16	6770	6720	F	GRAV	1.56	.65	2.4	$ 210	$ 113	$ 7	$ 27	$ 0	$ 61	6060	710	$ 159	$-98
511-A-24	8	1	8	6640	6615	F	HNDHVE	1.56	.7	2.22	$ 210	$ 74	$ 11	$ 30	$ 0	$ 93	6060	580	$ 149	$-56
511-A-24	8	1	8	6640	6615	F	SDROLL	1.56	.7	2.22	$ 210	$ 134	$ 53	$ 22	$ 0	$-20	6060	580	$ 149	$-170
511-A-24	8	1	8	6640	6615	F	GRAV	1.56	.65	2.4	$ 210	$ 138	$ 11	$ 24	$ 0	$ 35	6060	580	$ 130	$-95
511-A-25	31	1	31	6310	6160	E	HNDHVE	1.76	.7	2.51	$ 240	$ 36	$ 4	$ 31	$ 0	$ 166	5980	330	$ 110	$ 56
511-A-25	31	1	31	6310	6160	E	SDROLL	1.76	.7	2.51	$ 240	$ 61	$ 17	$ 22	$ 0	$ 137	5980	330	$ 110	$ 27
511-A-25	31	1	31	6310	6160	E	GRAV.	1.76	.65	2.7	$ 240	$ 108	$ 5	$ 31	$ 0	$ 94	5980	330	$ 83	$ 10

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
ANNINUS WATER SHED

1366

PARCEL I.D.	ACREAGE: FIELD SIZE (ACRES)	REDUCTION FACTOR	NET ACREAGE	ELEVATION HIGH	ELEVATION LOW	CLIMATIC ZONE	WATER REQUIREMENTS PER ACRE: IRRIG. SYSTEM TYPE	NET FEET	IRRIG. EFF.	APPLIED	PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE: PRELIMINARY NET AG. RETURN	ON-FARM IRRIG. COSTS: CAPITAL	MAINT.	LABOR	PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST: WATER SOURCE ELEV.	STATIC LIFT	ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
S11-A-26	11	1	11	6220	6180	D,E	HNDMVE	1.94	.7	2.77	$ 270	$ 59	$ 9	$ 34	$ 0	$ 166	5980	240	$ 98	$ 67
S11-A-26	11	1	11	6220	6180	D,E	SDROLL	1.94	.7	2.77	$ 270	$ 114	$ 36	$ 24	$ 0	$ 94	5980	240	$ 98	$-4
S11-A-26	11	1	11	6220	6180	D,E	GRAV	1.94	.65	2.98	$ 270	$ 125	$ 9	$ 34	$ 0	$ 101	5980	240	$ 67	$ 33
S11-A-27	7	1	7	5940	5920	D	HNDMVE	1.94	.7	2.77	$ 270	$ 80	$ 12	$ 37	$ 0	$ 138	5920	20	$ 41	$ 97
S11-A-27	7	1	7	5940	5920	D	SDROLL	1.94	.7	2.77	$ 270	$ 172	$ 60	$ 28	$ 0	$ 8	5920	20	$ 41	$-32
S11-A-27	7	1	7	5940	5920	D	GRAV	1.94	.65	2.98	$ 270	$ 144	$ 12	$ 30	$ 0	$ 82	5920	20	$ 5	$ 76
S11-A-28	15	1	15	6490	6400	E	HNDMVE	1.76	.7	2.51	$ 240	$ 51	$ 7	$ 31	$ 0	$ 149	5980	510	$ 152	$-2
S11-A-28	15	1	15	6490	6400	E	SDROLL	1.76	.7	2.51	$ 240	$ 94	$ 29	$ 22	$ 0	$ 93	5980	510	$ 152	$-58
S11-A-28	15	1	15	6490	6400	E	GRAV	1.76	.65	2.7	$ 240	$ 116	$ 7	$ 31	$ 0	$ 84	5980	510	$ 129	$-44
S11-A-29	5	1	5	6575	6540	E	HNDMVE	1.76	.7	2.51	$ 240	$ 92	$ 15	$ 34	$ 0	$ 97	5980	595	$ 172	$-74
S11-A-29	5	1	5	6575	6540	E	SDROLL	1.76	.7	2.51	$ 240	$ 208	$ 74	$ 25	$ 0	$-48	5980	595	$ 172	$-249
S11-A-29	5	1	5	6575	6540	E	GRAV	1.76	.65	2.7	$ 240	$ 155	$ 14	$ 27	$ 0	$ 42	5980	595	$ 150	$-108
S11-A-30	78	.99	77.2	6460	6360	E	HNDMVE	1.76	.7	2.51	$ 240	$ 34	$ 4	$ 30	$ 0	$ 170	5940	520	$ 155	$ 15
S11-A-30	78	.99	77.2	6460	6360	E	SDROLL	1.76	.7	2.51	$ 240	$ 55	$ 16	$ 14	$ 0	$ 153	5940	520	$ 155	$-1
S11-A-30	78	.99	77.2	6460	6360	E	GRAV	1.76	.65	2.7	$ 240	$ 116	$ 7	$ 30	$ 0	$ 85	5940	520	$ 131	$-46
S11-A-30	78	.83	64.9	6460	6360	E	CNTRPVT	1.76	.75	2.94	$ 240	$ 108	$ 43	$ 5	$ 22	$ 60	5940	520	$ 144	$-84
S11-A-30	78	.98	76.6	6460	6360	E	CPVT/HMV	1.76	.74	2.37	$ 240	$ 100	$ 37	$ 9	$ 22	$ 69	5940	520	$ 146	$-76

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
ANNIMUS WATER SHED

1367

PARCEL I.D.	ACREAGE FIELD SIZE (ACRES)	ACREAGE REDUCTION FACTOR	ACREAGE NET ACREAGE	ELEVATION HIGH	ELEVATION LOW	CLIMATIC ZONE	WATER REQUIREMENTS PER ACRE IRRIG. SYSTEM TYPE	WATER REQUIREMENTS PER ACRE NET FEET	WATER REQUIREMENTS PER ACRE IRRIG. EFF.	WATER REQUIREMENTS PER ACRE APPLIED	PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE PRELIMINARY NET AG. RETURN	ON-FARM IRRIG. COSTS CAPITAL	ON-FARM IRRIG. COSTS MAINT.	ON-FARM IRRIG. COSTS LABOR	ON-FARM IRRIG. COSTS PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST WATER SOURCE ELEV.	STATIC LIFT	ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
511-A-31	10	1	10	6470	6440	E	HNDHVE	1.76	.7	2.51	$ 240	$ 62	$ 9	$ 31	$ 0	$ 136	5940	530	$ 157	$-20
511-A-31	10	1	10	6470	6440	E	SDROLL	1.76	.7	2.51	$ 240	$ 119	$ 38	$ 22	$ 0	$ 59	5940	530	$ 157	$-98
511-A-31	10	1	10	6470	6440	E	GRAV	1.76	.65	2.7	$ 240	$ 127	$ 9	$ 31	$ 0	$ 71	5940	530	$ 134	$-62
511-A-32	12	1	12	6380	6280	E	HNDHVE	1.76	.7	2.51	$ 240	$ 57	$ 8	$ 31	$ 0	$ 141	5940	440	$ 136	$ 5
511-A-32	12	1	12	6380	6280	E	SDROLL	1.76	.7	2.51	$ 240	$ 109	$ 35	$ 22	$ 0	$ 73	5940	440	$ 136	$-62
511-A-32	12	1	12	6380	6280	E	GRAV	1.76	.65	2.7	$ 240	$ 123	$ 8	$ 31	$ 0	$ 76	5940	440	$ 111	$-34
511-A-33	10	1	10	6300	6230	E	HNDHVE	1.76	.7	2.51	$ 240	$ 62	$ 9	$ 31	$ 0	$ 136	5940	360	$ 117	$ 19
511-A-33	10	1	10	6300	6230	E	SDROLL	1.76	.7	2.51	$ 240	$ 119	$ 38	$ 22	$ 0	$ 59	5940	360	$ 117	$-37
511-A-33	10	1	10	6300	6230	E	GRAV	1.76	.65	2.7	$ 240	$ 127	$ 9	$ 31	$ 0	$ 71	5940	360	$ 91	$-19
511-A-34	14	1	14	6190	6130	D	HNDHVE	1.94	.7	2.77	$ 270	$ 53	$ 7	$ 34	$ 0	$ 173	5940	250	$ 100	$ 73
511-A-34	14	1	14	6190	6130	D	SDROLL	1.94	.7	2.77	$ 270	$ 99	$ 31	$ 24	$ 0	$ 114	5940	250	$ 100	$ 13
511-A-34	14	1	14	6190	6130	D	GRAV	1.94	.65	2.98	$ 270	$ 118	$ 7	$ 34	$ 0	$ 109	5940	250	$ 69	$ 39
504-A-35	22	1	22	6640	6560	E,F	HNDHVE	1.76	.7	2.51	$ 240	$ 39	$ 5	$ 31	$ 0	$ 163	6020	420	$ 178	$-15
504-A-35	22	1	22	6640	6560	E,F	SDROLL	1.76	.7	2.51	$ 240	$ 67	$ 19	$ 22	$ 0	$ 130	6020	420	$ 178	$-48
504-A-35	22	1	22	6640	6560	E,F	GRAV	1.76	.65	2.7	$ 240	$ 105	$ 5	$ 31	$ 0	$ 97	6020	420	$ 157	$-39

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
ANIMUS WATER SHED

PARCEL I.D.	ACREAGE FIELD SIZE (ACRES)	ACREAGE REDUCTION FACTOR	ACREAGE NET ACREAGE	ELEVATION HIGH	ELEVATION LOW	CLIMATIC ZONE	WATER REQUIREMENTS PER ACRE IRRIG. SYSTEM TYPE	WATER REQUIREMENTS PER ACRE NET FEET	WATER REQUIREMENTS PER ACRE IRRIG. EFF.	WATER REQUIREMENTS PER ACRE APPLIED	PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE PRELIMINARY NET AG. RETURN	ON-FARM IRRIG. COSTS CAPITAL	ON-FARM IRRIG. COSTS MAINT.	ON-FARM IRRIG. COSTS LABOR	ON-FARM IRRIG. COSTS PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST WATER SOURCE ELEV.	PRELIM. OFF-FARM WATER COST STATIC LIFT	PRELIM. OFF-FARM WATER COST ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
504-A-36	110	.99	108.9	6215	6160	D	HNDMVE	1.94	.7	2.77	$ 270	$ 96	$ 4	$ 33	$ 0	$ 195	6120	95	$ 60	$ 135
504-A-36	110	.99	108.9	6215	6160	D	SDROLL	1.94	.7	2.77	$ 270	$ 53	$ 16	$ 16	$ 0	$ 184	6120	95	$ 60	$ 123
504-A-36	110	.99	108.9	6215	6160	D	GRAV	1.94	.65	2.98	$ 270	$ 117	$ 6	$ 33	$ 0	$ 111	6120	95	$ 26	$ 85
504-A-36	110	.83	91.6	6215	6160	D	CNTRPVT	1.94	.75	2.58	$ 270	$ 84	$ 32	$ 4	$ 20	$ 128	6120	95	$ 56	$ 71
504-A-36	110	.98	108.1	6215	6160	D	CPVT/HNV	1.94	.74	2.61	$ 270	$ 78	$ 28	$ 8	$ 28	$ 133	6120	95	$ 57	$ 76
504-A-40	54	.99	53.4	6262	6200	E	HNDMVE	1.76	.7	2.51	$ 240	$ 94	$ 4	$ 30	$ 0	$ 170	6120	142	$ 66	$ 104
504-A-40	54	.99	53.4	6262	6200	E	SDROLL	1.76	.7	2.51	$ 240	$ 55	$ 16	$ 14	$ 0	$ 133	6120	142	$ 66	$ 87
504-A-40	54	.99	53.4	6262	6200	E	GRAV	1.76	.65	2.7	$ 240	$ 112	$ 6	$ 30	$ 0	$ 89	6120	142	$ 36	$ 53
504-A-40	54	.83	44.9	6262	6200	E	CNTRPVT	1.76	.75	2.34	$ 240	$ 125	$ 30	$ 7	$ 25	$ 30	6120	142	$ 61	$-31
504-A-40	54	.98	53	6262	6200	E	CPVT/HNV	1.76	.74	2.37	$ 240	$ 118	$ 44	$ 11	$ 25	$ 40	6120	142	$ 62	$-22
504-A-41	30	1	30	6240	6160	D,E	HNDMVE	1.94	.7	2.77	$ 270	$ 87	$ 4	$ 34	$ 0	$ 192	6150	90	$ 59	$ 133
504-A-41	30	1	30	6240	6160	D,E	SDROLL	1.94	.7	2.77	$ 270	$ 62	$ 18	$ 24	$ 0	$ 164	6150	90	$ 59	$ 105
504-A-41	30	1	30	6240	6160	D,E	GRAV	1.94	.65	2.98	$ 270	$ 107	$ 5	$ 24	$ 0	$ 121	6150	90	$ 25	$ 96
504-A-42	21	1	21	6220	6200	E	HNDMVE	1.76	.7	2.51	$ 240	$ 40	$ 5	$ 31	$ 0	$ 168	6160	60	$ 46	$ 116
504-A-42	21	1	21	6220	6200	E	SDROLL	1.76	.7	2.51	$ 240	$ 48	$ 19	$ 22	$ 0	$ 129	6160	60	$ 46	$ 82
504-A-42	21	1	21	6220	6200	E	GRAV	1.76	.65	2.7	$ 240	$ 104	$ 5	$ 31	$ 0	$ 97	6160	60	$ 13	$ 82
504-A-43	8	1	8	6208	6202	E	HNDMVE	1.76	.7	2.51	$ 240	$ 74	$ 11	$ 34	$ 0	$ 119	6160	48	$ 43	$ 75
504-A-43	8	1	8	6208	6202	E	SDROLL	1.76	.7	2.51	$ 240	$ 154	$ 53	$ 25	$ 0	$ 6	6160	48	$ 43	$-37
504-A-43	8	1	8	6208	6202	E	GRAV	1.76	.65	2.7	$ 240	$ 138	$ 11	$ 27	$ 0	$ 61	6160	48	$ 12	$ 49

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
ANNIMUS WATER SHED

1369

PARCEL I.D.	ACREAGE FIELD SIZE (ACRES)	ACREAGE REDUCTION FACTOR	ACREAGE NET ACREAGE	ELEVATION HIGH	ELEVATION LOW	CLIMATIC ZONE	WATER REQUIREMENTS PER ACRE IRRIG. SYSTEM TYPE	NET FEET	IRRIG. EFF.	APPLIED	PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE PRELIMINARY NET AG. RETURN	ON-FARM IRRIG. COSTS CAPITAL	MAINT.	LABOR	PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST WATER SOURCE ELEV.	STATIC LIFT	ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
504-A-44	14	1	14	6200	6170	D	HNDMVE	1.94	.7	2.77	$ 270	$ 53	$ 7	$ 34	$ 0	$ 173	6160	40	$ 46	$ 127
504-A-44	14	1	14	6200	6170	D	SDROLL	1.94	.7	2.77	$ 270	$ 99	$ 31	$ 24	$ 0	$ 114	6160	40	$ 46	$ 68
504-A-44	14	1	14	6200	6170	D	GRAV	1.94	.65	2.98	$ 270	$ 118	$ 7	$ 34	$ 0	$ 109	6160	40	$ 11	$ 97
504-A-45	11	1	11	6220	6160	D	HNDMVE	1.94	.7	2.77	$ 270	$ 59	$ 9	$ 34	$ 0	$ 166	6180	40	$ 46	$ 119
504-A-45	11	1	11	6220	6160	D	SDROLL	1.94	.7	2.77	$ 270	$ 114	$ 36	$ 24	$ 0	$ 94	6180	40	$ 46	$ 47
504-A-45	11	1	11	6220	6160	D	GRAV	1.94	.65	2.98	$ 270	$ 125	$ 9	$ 34	$ 0	$ 101	6180	40	$ 11	$ 89
504-A-46	45	.99	44.5	6240	6239.99	E	HNDMVE	1.76	.7	2.51	$ 240	$ 33	$ 4	$ 30	$ 0	$ 171	6198	50	$ 44	$ 126
504-A-46	45	.99	44.5	6240	6239.99	E	SDROLL	1.76	.7	2.51	$ 240	$ 55	$ 16	$ 14	$ 0	$ 153	6198	50	$ 44	$ 109
504-A-46	45	.99	44.5	6240	6239.99	E	GRAV	1.76	.65	2.7	$ 240	$ 111	$ 4	$ 30	$ 0	$ 91	6198	50	$ 12	$ 78
504-A-46	45	.83	37.4	6240	6239.99	E	CNTRPVT	1.76	.75	2.34	$ 240	$ 132	$ 58	$ 7	$ 27	$ 10	6198	50	$ 41	$-22
504-A-46	45	.98	44.2	6240	6239.99	E	CPVT/HMV	1.76	.74	2.37	$ 240	$ 124	$ 47	$ 11	$ 27	$ 28	6198	50	$ 41	$-19
504-A-48	80	.99	79.2	6398	6288	E	HNDMVE	1.76	.7	2.51	$ 240	$ 34	$ 4	$ 30	$ 0	$ 170	6205	185	$ 76	$ 94
504-A-48	80	.99	79.2	6398	6288	E	SDROLL	1.76	.7	2.51	$ 240	$ 55	$ 16	$ 14	$ 0	$ 154	6205	185	$ 76	$ 77
504-A-48	80	.99	79.2	6398	6288	E	GRAV	1.76	.65	2.7	$ 240	$ 116	$ 7	$ 30	$ 0	$ 85	6205	185	$ 46	$ 38
504-A-48	80	.83	66.4	6398	6288	E	CNTRPVT	1.76	.75	2.34	$ 240	$ 106	$ 42	$ 5	$ 22	$ 62	6205	185	$ 71	$-8
504-A-48	80	.98	78.6	6398	6288	E	CPVT/HMV	1.76	.74	2.37	$ 240	$ 99	$ 37	$ 9	$ 22	$ 71	6205	185	$ 71	$ 0
504-A-49	162	.98	158.7	6285	6240	E	HNDMVE	1.76	.7	2.51	$ 240	$ 35	$ 4	$ 30	$ 0	$ 169	6205	80	$ 51	$ 117
504-A-49	162	.98	158.7	6285	6240	E	SDROLL	1.76	.7	2.51	$ 240	$ 58	$ 16	$ 14	$ 0	$ 151	6205	80	$ 51	$ 99
504-A-49	162	.98	158.7	6285	6240	E	GRAV	1.76	.65	2.7	$ 240	$ 118	$ 4	$ 30	$ 0	$ 84	6205	80	$ 20	$ 64
504-A-49	162	.83	134.9	6285	6240	E	CNTRPVT	1.76	.75	2.34	$ 240	$ 68	$ 24	$ 2	$ 8	$ 141	6205	80	$ 48	$ 93
504-A-49	162	.98	159.2	6285	6240	E	CPVT/HMV	1.76	.74	2.37	$ 240	$ 59	$ 21	$ 7	$ 19	$ 132	6205	80	$ 48	$ 83

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
ANIMAS WATER SHED

1370

PARCEL I.D.	ACREAGE: FIELD SIZE (ACRES)	REDUCTION FACTOR	NET ACREAGE	ELEVATION HIGH	ELEVATION LOW	CLIMATIC ZONE	WATER REQUIREMENTS PER ACRE: IRRIG. SYSTEM TYPE	NET FEET	IRRIG. EFF.	APPLIED	PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE: PRELIMINARY NET AG. RETURN	ON-FARM IRRIG. COSTS: CAPITAL	MAINT.	LABOR	PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST: WATER SOURCE ELEV.	STATIC LIFT	ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
504-A-50	378	.98	370.4	6400	6282	E	HNDHVE	1.76	.7	2.51	$ 240	$ 35	$ 4	$ 30	$ 0	$ 169	6205	275	$ 97	$ 72
504-A-50	378	.98	370.4	6400	6282	E	SDROLL	1.76	.7	2.51	$ 240	$ 58	$ 16	$ 14	$ 0	$ 151	6205	275	$ 97	$ 58
504-A-50	378	.98	370.4	6400	6282	E	GRAV	1.76	.65	2.7	$ 240	$ 118	$ 6	$ 30	$ 0	$ 84	6205	275	$ 69	$ 15
504-A-50	378	.83	314.8	6400	6282	E	CNTRPVT	1.76	.75	2.34	$ 240	$ 63	$ 24	$ 2	$ 8	$ 141	6205	275	$ 90	$ 50
504-A-50	378	.98	371	6400	6282	E	CPVT/HNV	1.76	.74	2.37	$ 240	$ 58	$ 21	$ 6	$ 19	$ 139	6205	275	$ 91	$ 41
504-A-51	6	1	6	6395	6340	E	HNDHVE	1.76	.7	2.51	$ 240	$ 86	$ 14	$ 34	$ 0	$ 105	6240	155	$ 69	$ 35
504-A-51	6	1	6	6395	6340	E	SDROLL	1.76	.7	2.51	$ 240	$ 170	$ 67	$ 25	$ 0	$-48	6240	155	$ 69	$-112
504-A-51	6	1	6	6395	6340	E	GRAV	1.76	.65	2.7	$ 240	$ 150	$ 18	$ 27	$ 0	$ 48	6240	155	$ 39	$ 9
504-A-52	39	1	39	6400	6320	E	HNDHVE	1.76	.7	2.51	$ 240	$ 34	$ 4	$ 31	$ 0	$ 169	6240	160	$ 70	$ 99
504-A-52	39	1	39	6400	6320	E	SDROLL	1.76	.7	2.51	$ 240	$ 56	$ 16	$ 22	$ 0	$ 144	6240	160	$ 70	$ 74
504-A-52	39	1	39	6400	6320	E	GRAV	1.76	.65	2.7	$ 240	$ 110	$ 6	$ 31	$ 0	$ 92	6240	160	$ 40	$ 51
504-A-53	21	1	21	6250	6200	E	HNDHVE	1.76	.7	2.51	$ 240	$ 40	$ 5	$ 31	$ 0	$ 163	6240	10	$ 34	$ 128
504-A-53	21	1	21	6250	6200	E	SDROLL	1.76	.7	2.51	$ 240	$ 68	$ 19	$ 22	$ 0	$ 129	6240	10	$ 34	$ 94
504-A-53	21	1	21	6250	6200	E	GRAV	1.76	.65	2.7	$ 240	$ 104	$ 5	$ 31	$ 0	$ 97	6240	10	$ 2	$ 95
511-A-54	54	.99	53.4	6420	6380	E	HNDHVE	1.76	.7	2.51	$ 240	$ 34	$ 4	$ 30	$ 0	$ 170	6070	350	$ 115	$ 55
511-A-54	54	.99	53.4	6420	6380	E	SDROLL	1.76	.7	2.51	$ 240	$ 55	$ 16	$ 14	$ 0	$ 153	6070	350	$ 115	$ 38
511-A-54	54	.99	53.4	6420	6380	E	GRAV	1.76	.65	2.7	$ 240	$ 112	$ 6	$ 30	$ 0	$ 89	6070	350	$ 88	$ 1
511-A-54	54	.83	44.9	6420	6380	E	CNTRPVT	1.76	.73	2.34	$ 240	$ 125	$ 50	$ 7	$ 25	$ 30	6070	350	$ 107	$-77
511-A-54	54	.98	53	6420	6380	E	CPVT/HNV	1.76	.74	2.37	$ 240	$ 118	$ 44	$ 11	$ 25	$ 40	6070	350	$ 108	$-68

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
FLORIDA WATERSHED

	***** ACREAGE *****						**** WATER REQUIREMENTS PER ACRE ****			****** PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE ******						PRELIM. OFF-FARM WATER COST			
PARCEL I.D.	FIELD SIZE (ACRES)	REDUCTION FACTOR	NET ACREAGE	ELEVATION HIGH	ELEVATION LOW	CLIMATIC ZONE	IRRIG. SYSTEM TYPE	NET FEET	IRRIG. EFF.	APPLIED	PRELIMINARY NET AG. RETURN	*** ON-FARM IRRIG. COSTS *** CAPITAL	MAINT.	LABOR	PUMPING	PRELIM. PAYMENT CAPACITY	WATER SOURCE ELEV.	STATIC LIFT	ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
511-F-01	9	1	9	6760	6720	F	HNDMVE	1.56	.7	2.22	$ 210	$ 48	$ 10	$ 30	$ 0	$ 99	6360	400	$ 112	$-12
511-F-01	9	1	9	6760	6720	F	SDROLL	1.56	.7	2.22	$ 210	$ 137	$ 45	$ 22	$ 0	$ 4	6360	400	$ 112	$-109
511-F-01	9	1	9	6760	6720	F	GRAV	1.56	.65	2.4	$ 210	$ 133	$ 10	$ 24	$ 0	$ 41	6360	400	$ 89	$-48
511-F-02	6	1	6	6720	6680	F	HNDMVE	1.56	.7	2.22	$ 210	$ 86	$ 14	$ 30	$ 0	$ 78	6360	360	$ 104	$-25
511-F-02	6	1	6	6720	6680	F	SDROLL	1.56	.7	2.22	$ 210	$ 190	$ 47	$ 22	$ 0	$-78	6360	360	$ 104	$-174
511-F-02	6	1	6	6720	6680	F	GRAV	1.56	.65	2.4	$ 210	$ 130	$ 13	$ 24	$ 0	$ 21	6360	360	$ 80	$-59
511-F-03	6	1	6	6740	6690	F	HNDMVE	1.56	.7	2.22	$ 210	$ 86	$ 14	$ 30	$ 0	$ 78	6360	380	$ 108	$-29
511-F-03	6	1	6	6740	6690	F	SDROLL	1.56	.7	2.22	$ 210	$ 190	$ 47	$ 22	$ 0	$-78	6360	380	$ 108	$-178
511-F-03	6	1	6	6740	6690	F	GRAV	1.56	.65	2.4	$ 210	$ 130	$ 13	$ 24	$ 0	$ 21	6360	380	$ 85	$-63
511-F-04	9	1	9	6760	6715	F	HNDMVE	1.56	.7	2.22	$ 210	$ 68	$ 10	$ 30	$ 0	$ 100	6360	400	$ 112	$-11
511-F-04	9	1	9	6760	6715	F	SDROLL	1.56	.7	2.22	$ 210	$ 137	$ 45	$ 22	$ 0	$ 4	6360	400	$ 112	$-108
511-F-04	9	1	9	6760	6715	F	GRAV	1.56	.65	2.4	$ 210	$ 133	$ 10	$ 24	$ 0	$ 41	6360	400	$ 89	$-48
511-F-05	45	.99	44.5	6345	6300	E	HNDMVE	1.76	.7	2.51	$ 240	$ 88	$ 4	$ 30	$ 0	$ 171	6060	285	$ 99	$ 71
511-F-05	45	.99	44.5	6345	6300	E	SDROLL	1.76	.7	2.51	$ 240	$ 55	$ 16	$ 14	$ 0	$ 153	6060	285	$ 99	$ 53
511-F-05	45	.99	44.5	6345	6300	E	GRAV	1.76	.65	2.7	$ 240	$ 111	$ 4	$ 30	$ 0	$ 91	6060	285	$ 72	$ 19
511-F-05	45	.83	37.4	6345	6300	E	CNTRPVT	1.76	.75	2.34	$ 240	$ 132	$ 38	$ 7	$ 27	$ 18	6060	285	$ 93	$-74
511-F-05	45	.98	44.2	6345	6300	E	CPVT/HNV	1.76	.74	2.37	$ 240	$ 124	$ 47	$ 11	$ 27	$ 28	6060	285	$ 94	$-65

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
FLOR1BA WATERSHED

1372

PARCEL I.D.	ACREAGE: FIELD SIZE (ACRES)	ACREAGE: REDUCTION FACTOR	ACREAGE: NET ACREAGE	ELEVATION: HIGH	ELEVATION: LOW	CLIMATIC ZONE	IRRIG. SYSTEM TYPE	WATER REQUIREMENTS PER ACRE: NET FEET	WATER REQUIREMENTS PER ACRE: IRRIG. EFF.	WATER REQUIREMENTS PER ACRE: APPLIED	PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE: PRELIMINARY NET AG. RETURN	ON-FARM IRRIG. COSTS: CAPITAL	ON-FARM IRRIG. COSTS: MAINT.	ON-FARM IRRIG. COSTS: LABOR	ON-FARM IRRIG. COSTS: PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST: WATER SOURCE ELEV.	PRELIM. OFF-FARM WATER COST: STATIC LIFT	PRELIM. OFF-FARM WATER COST: ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
504-F-06	30	1	30	6660	6610	F	HNDHVE	1.56	.7	2.22	$ 210	$ 37	$ 4	$ 28	$ 0	$ 139	6340	300	$ 91	$ 48
504-F-06	30	1	30	6660	6610	F	SDROLL	1.56	.7	2.22	$ 210	$ 62	$ 18	$ 19	$ 0	$ 109	6340	300	$ 91	$ 18
504-F-06	30	1	30	6660	6610	F	GRAV	1.56	.65	2.4	$ 210	$ 107	$ 5	$ 27	$ 0	$ 68	6340	300	$ 67	$ 1
504-F-07	13	1	13	6660	6618	F	HNDHVE	1.56	.7	2.22	$ 210	$ 55	$ 8	$ 28	$ 0	$ 118	6340	300	$ 91	$ 26
504-F-07	13	1	13	6660	6618	F	SDROLL	1.56	.7	2.22	$ 210	$ 194	$ 33	$ 19	$ 0	$ 52	6340	300	$ 91	$-38
504-F-07	13	1	13	6660	6618	F	GRAV	1.56	.65	2.4	$ 210	$ 120	$ 8	$ 27	$ 0	$ 53	6340	300	$ 67	$-14
504-F-08a	46	.99	45.5	6750	6700	F	HNDHVE	1.56	.7	2.22	$ 210	$ 83	$ 4	$ 26	$ 0	$ 144	6310	240	$ 79	$ 63
504-F-08a	46	.99	45.5	6750	6700	F	SDROLL	1.56	.7	2.22	$ 210	$ 55	$ 16	$ 12	$ 0	$ 125	6310	240	$ 79	$ 46
504-F-08a	46	.99	45.5	6750	6700	F	GRAV	1.56	.65	2.4	$ 210	$ 111	$ 6	$ 27	$ 0	$ 64	6310	240	$ 53	$ 10
504-F-08a	46	.83	38.3	6750	6700	F	CNTRPVT	1.56	.75	2.08	$ 210	$ 131	$ 53	$ 6	$ 23	$-5	6310	240	$ 73	$-79
504-F-08a	46	.98	45.2	6750	6700	F	CPVT/HNV	1.56	.74	2.1	$ 210	$ 124	$ 47	$ 10	$ 23	$ 4	6310	240	$ 74	$-70
504-F-08b	23	1	23	6790	6760	F	HNDHVE	1.56	.7	2.22	$ 210	$ 39	$ 5	$ 28	$ 0	$ 137	6310	280	$ 87	$ 49
504-F-08b	23	1	23	6790	6760	F	SDROLL	1.56	.7	2.22	$ 210	$ 67	$ 19	$ 19	$ 0	$ 103	6310	280	$ 87	$ 16
504-F-08b	23	1	23	6790	6760	F	GRAV	1.56	.65	2.4	$ 210	$ 105	$ 5	$ 27	$ 0	$ 70	6310	280	$ 62	$ 7
504-F-09	66	.99	65.3	6782	6710	F	HNDHVE	1.56	.7	2.22	$ 210	$ 94	$ 4	$ 24	$ 0	$ 144	6310	272	$ 85	$ 58
504-F-09	66	.99	65.3	6782	6710	F	SDROLL	1.56	.7	2.22	$ 210	$ 55	$ 16	$ 12	$ 0	$ 125	6310	272	$ 85	$ 39
504-F-09	66	.99	65.3	6782	6710	F	GRAV	1.56	.65	2.4	$ 210	$ 114	$ 6	$ 27	$ 0	$ 61	6310	272	$ 61	$ 0
504-F-09	66	.83	54.9	6782	6710	F	CNTRPVT	1.56	.75	2.08	$ 210	$ 117	$ 46	$ 5	$ 21	$ 18	6310	272	$ 79	$-61
504-F-09	66	.98	64.8	6782	6710	F	CPVT/HNV	1.56	.74	2.1	$ 210	$ 108	$ 41	$ 9	$ 21	$ 29	6310	272	$ 80	$-51

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
FLORIDA WATERSHED

1373

PARCEL I.D.	ACREAGE FIELD SIZE (ACRES)	ACREAGE REDUCTION FACTOR	ACREAGE NET ACREAGE	ELEVATION HIGH	ELEVATION LOW	CLIMATIC ZONE	WATER REQUIREMENTS PER ACRE IRRIG. SYSTEM TYPE	WATER REQUIREMENTS PER ACRE NET FEET	WATER REQUIREMENTS PER ACRE IRRIG. EFF.	WATER REQUIREMENTS PER ACRE APPLIED	PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE PRELIMINARY NET AG. RETURN	ON-FARM IRRIG. COSTS CAPITAL	ON-FARM IRRIG. COSTS MAINT.	ON-FARM IRRIG. COSTS LABOR	ON-FARM IRRIG. COSTS PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST WATER SOURCE ELEV.	STATIC LIFT	ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
504-F-10	29	1	29	6600	6515	E	HWDWVE	1.76	.7	2.51	$ 240	$ 37	$ 4	$ 31	$ 0	$ 165	6530	70	$ 49	$ 116
504-F-10	29	1	29	6600	6515	E	SDROLL	1.76	.7	2.51	$ 240	$ 68	$ 18	$ 22	$ 0	$ 134	6580	70	$ 49	$ 87
504-F-10	29	1	29	6600	6515	E	GRAV	1.76	.65	2.7	$ 240	$ 107	$ 5	$ 31	$ 0	$ 95	6536	70	$ 17	$ 77
504-F-11a	5	1	5	6540	6520	E	HWDWVE	1.76	.7	2.51	$ 240	$ 92	$ 15	$ 34	$ 0	$ 97	6530	10	$ 34	$ 62
504-F-11a	5	1	5	6540	6520	E	SDROLL	1.76	.7	2.51	$ 240	$ 208	$ 74	$ 25	$ 0	$-68	6530	10	$ 34	$-103
504-F-11a	5	1	5	6540	6520	E	GRAV	1.76	.65	2.7	$ 240	$ 155	$ 14	$ 27	$ 0	$ 42	6530	10	$ 2	$ 39
504-F-11b	6	1	6	6570	6560	E	HWDWVE	1.76	.7	2.51	$ 240	$ 86	$ 14	$ 34	$ 0	$ 105	6530	40	$ 42	$ 62
504-F-11b	6	1	6	6570	6560	E	SDROLL	1.76	.7	2.51	$ 240	$ 190	$ 67	$ 25	$ 0	$-43	6530	40	$ 42	$-85
504-F-11b	6	1	6	6570	6560	E	GRAV	1.76	.65	2.7	$ 240	$ 150	$ 13	$ 27	$ 0	$ 48	6530	40	$ 10	$ 38
504-F-12	114	.99	112.8	6760	6660	F	HWDWVE	1.56	.7	2.22	$ 210	$ 86	$ 4	$ 26	$ 0	$ 142	6560	200	$ 70	$ 71
504-F-12	114	.99	112.8	6760	6660	F	SDROLL	1.56	.7	2.22	$ 210	$ 58	$ 14	$ 12	$ 0	$ 127	6560	200	$ 70	$ 57
504-F-12	114	.99	112.8	6760	6660	F	GRAV	1.56	.65	2.4	$ 210	$ 117	$ 6	$ 27	$ 0	$ 58	6560	200	$ 44	$ 13
504-F-12	114	.83	94.9	6760	6660	F	CNTRPVT	1.56	.75	2.08	$ 210	$ 81	$ 81	$ 3	$ 13	$ 78	6560	200	$ 65	$ 12
504-F-12	114	.98	112	6760	6660	F	CPVT/HWV	1.56	.74	2.1	$ 210	$ 75	$ 27	$ 7	$ 15	$ 83	6560	200	$ 64	$ 16
504-F-13	17	1	17	6620	6580	E,F	HWDWVE	1.76	.7	2.51	$ 240	$ 46	$ 6	$ 31	$ 0	$ 134	6560	60	$ 46	$ 108
504-F-13	17	1	17	6620	6580	E,F	SDROLL	1.76	.7	2.51	$ 240	$ 84	$ 25	$ 22	$ 0	$ 107	6560	60	$ 46	$ 61
504-F-13	17	1	17	6620	6580	E,F	GRAV	1.76	.65	2.7	$ 240	$ 111	$ 6	$ 31	$ 0	$ 90	6560	60	$ 15	$ 74

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
FLORIDA WATERSHED

1374

	* * * * * ACREAGE * * * * *						* * * * WATER REQUIREMENTS PER ACRE * * * *			* * * * * * PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE						PRELIM. OFF-FARM WATER COST			
PARCEL I.D.	FIELD SIZE (ACRES)	REDUCTION FACTOR	NET ACREAGE	ELEVATION HIGH	ELEVATION LOW	CLIMATIC ZONE	IRRIG. SYSTEM TYPE	NET FEET	IRRIG. EFF.	APPLIED	PRELIMINARY NET AG. RETURN	* * * ON-FARM IRRIG. COSTS * * * CAPITAL	MAINT.	LABOR	PUMPING	PRELIM. PAYMENT CAPACITY	WATER SOURCE ELEV.	STATIC LIFT	ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
504-F-14	54	.99	53.4	6900	6820	F	HNDMVE	1.56	.7	2.22	$ 210	$ 34	$ 4	$ 26	$ 0	$ 144	6640	260	$ 83	$ 61
504-F-14	54	.99	53.4	6900	6820	F	SDROLL	1.56	.7	2.22	$ 210	$ 55	$ 16	$ 12	$ 0	$ 125	6640	260	$ 83	$ 42
504-F-14	54	.99	53.4	6900	6820	F	GRAV	1.56	.65	2.4	$ 210	$ 112	$ 6	$ 27	$ 0	$ 63	6640	260	$ 58	$ 5
504-F-14	54	.83	44.9	6900	6820	F	CNTRPVT	1.56	.75	2.08	$ 210	$ 125	$ 56	$ 6	$ 22	$ 3	6640	260	$ 77	$-73
504-F-14	54	.98	53	6900	6820	F	CPVT/HNV	1.56	.74	2.1	$ 210	$ 110	$ 44	$ 10	$ 22	$ 14	6640	260	$ 78	$-44
504-F-15	14	1	14	6885	6840	F	HNDMVE	1.56	.7	2.22	$ 210	$ 53	$ 7	$ 28	$ 0	$ 120	6640	245	$ 80	$ 40
504-F-15	14	1	14	6885	6840	F	SDROLL	1.56	.7	2.22	$ 210	$ 99	$ 31	$ 19	$ 0	$ 59	6640	245	$ 80	$-20
504-F-15	14	1	14	6885	6840	F	GRAV	1.56	.65	2.4	$ 210	$ 118	$ 7	$ 27	$ 0	$ 55	6640	245	$ 55	$ 0
504-F-16	12	1	12	6841	6830	F	HNDMVE	1.56	.7	2.22	$ 210	$ 57	$ 8	$ 28	$ 0	$ 115	6640	201	$ 70	$ 44
504-F-16	12	1	12	6841	6830	F	SDROLL	1.56	.7	2.22	$ 210	$ 109	$ 35	$ 19	$ 0	$ 45	6640	201	$ 70	$-25
504-F-16	12	1	12	6841	6830	F	GRAV	1.56	.65	2.4	$ 210	$ 123	$ 8	$ 27	$ 0	$ 30	6640	201	$ 45	$ 5
505-F-17	10	1	10	6840	6798	F	HNDMVE	1.56	.7	2.22	$ 210	$ 62	$ 9	$ 28	$ 0	$ 110	6700	140	$ 58	$ 52
505-F-17	10	1	10	6840	6798	F	SDROLL	1.56	.7	2.22	$ 210	$ 119	$ 38	$ 19	$ 0	$ 31	6700	140	$ 58	$-26
505-F-17	10	1	10	6840	6798	F	GRAV	1.56	.65	2.4	$ 210	$ 127	$ 9	$ 27	$ 0	$ 45	6700	140	$ 31	$ 18
505-F-18	6	1	6	6795	6778	F	HNDMVE	1.56	.7	2.22	$ 210	$ 86	$ 14	$ 30	$ 0	$ 78	6700	95	$ 48	$ 38
505-F-18	6	1	6	6795	6778	F	SDROLL	1.56	.7	2.22	$ 210	$ 190	$ 67	$ 22	$ 0	$-70	6700	95	$ 48	$-119
505-F-18	6	1	6	6795	6778	F	GRAV	1.56	.65	2.4	$ 210	$ 150	$ 13	$ 24	$ 0	$ 21	6700	95	$ 21	$ 0

COLORADO UTE AGRICULTURAL ENGINEERING STUDY
PRELIMINARY PIA ANALYSIS
FLORIDA WATERSHED

PARCEL I.D.	ACREAGE: FIELD SIZE (ACRES)	ACREAGE: REDUCTION FACTOR	ACREAGE: NET ACREAGE	ELEVATION: HIGH	ELEVATION: LOW	CLIMATIC ZONE	WATER REQUIREMENTS PER ACRE: IRRIG. SYSTEM TYPE	WATER REQUIREMENTS PER ACRE: NET FEET	WATER REQUIREMENTS PER ACRE: IRRIG. EFF.	WATER REQUIREMENTS PER ACRE: APPLIED	PRELIMINARY ANNUAL PAYMENT CAPACITY PER ACRE: PRELIMINARY NET AG. RETURN	ON-FARM IRRIG. COSTS: CAPITAL	ON-FARM IRRIG. COSTS: MAINT.	ON-FARM IRRIG. COSTS: LABOR	ON-FARM IRRIG. COSTS: PUMPING	PRELIM. PAYMENT CAPACITY	PRELIM. OFF-FARM WATER COST: WATER SOURCE ELEV.	PRELIM. OFF-FARM WATER COST: STATIC LIFT	PRELIM. OFF-FARM WATER COST: ANNUAL POWER COST/ACRE	RESIDUAL PRELIM. PAYMENT CAPACITY
505-F-19	28	1	28	6800	6720	F	HNDWVE	1.56	.7	2.22	$ 210	$ 37	$ 5	$ 28	$ 0	$ 139	6630	170	$ 44	$ 74
505-F-19	28	1	28	6800	6720	F	SDROLL	1.56	.7	2.22	$ 210	$ 63	$ 18	$ 19	$ 0	$ 107	6630	170	$ 44	$ 43
505-F-19	28	1	28	6800	6720	F	GRAV	1.56	.65	2.4	$ 210	$ 107	$ 5	$ 27	$ 0	$ 69	6630	170	$ 38	$ 30
505-F-20	27	1	27	6790	6740	F	HNDWVE	1.56	.7	2.22	$ 210	$ 38	$ 5	$ 28	$ 0	$ 138	6630	160	$ 42	$ 76
505-F-20	27	1	27	6790	6740	F	SDROLL	1.56	.7	2.22	$ 210	$ 64	$ 18	$ 19	$ 0	$ 107	6630	160	$ 42	$ 44
505-F-20	27	1	27	6790	6740	F	GRAV	1.56	.65	2.4	$ 210	$ 106	$ 5	$ 27	$ 0	$ 69	6630	160	$ 35	$ 33

APPENDIX D.2

OFF-FARM WATER COST

UTE/OFFAF **1377**

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A13		
Parcel No. ----	A13		
Net Acres -----	14		
Crop ----------	alf/bar		
Water Pay Cap -	173		
System Type ---	hnd/ave	Power rate $/kwh ---	.068605
Water System --	A13	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(diam,Lf,$/ft) --------	4	600	11.00	0		6,600	33		
						0	0		
						0	0		
PUMP STATION:									
Diversion F(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	141	195	38.8			19,013	95	708	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00							
POWER LINE EXT: f(LF,$/LF)	0	.00							
PIPELINE R/W: f(LF,$/LF)	0	.00							
PUMP STA R/W: f(acres,$/ac)	0	0							

Subtotal ----------	25,613	128	708	
Engineering, Administration, Legal, Contingencies 25% ----------	6,403			
Total ----------	32,016	128	708	
Annualized Cost (50 yr @ 8.375%)----------	2,730	128	708	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	2,730	128	708	3,566
Annual Cost Per Acre ----------	195	9	51	255
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	173
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-82

UTE/OFFAF **1378**

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A14		
Parcel No. ----	A14		
Net Acres -----	14		
Crop ----------	alf/bar		
Water Pay Cap -	173		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	A14	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(diam,Lf,$/ft) ----------	4	200	11.00	0		2,200	11		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	141	206	38.8			20,213	101	748	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	22,413	112	748	
Engineering, Administration, Legal, Contingencies 25% ----------	5,603			
Total ----------	28,016	112	748	
Annualized Cost (50 yr @ 8.375%)----------	2,389	112	748	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	2,389	112	748	3,249
Annual Cost Per Acre ----------	171	8	53	232
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	173
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-59

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A15		
Parcel No. ----	A15		
Net Acres -----	12		
Crop ----------	alf/bar		
Water Pay Cap -	168		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	A15	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(diam,LF,$/ft) ----------	4	800	11.00	0		8,800	44		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	121	233	33.2			19,033	95	724	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	27,833	139	724	
Engineering, Administration, Legal, Contingencies 25% ----------	6,958			
Total ----------	34,791	139	724	
Annualized Cost (50 yr @ 8.375%)----------	2,967	139	724	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	2,967	139	724	3,830
Annual Cost Per Acre ----------	247	12	60	319
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	168
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-151

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A16		
Parcel No. ----	A16		
Net Acres -----	6		
Crop ----------	alf/bar		
Water Pay Cap -	131		
System Type ---	hndwve	Power rate $/kwh ---	.068605
Water System --	A16	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(dia,LF,$/ft) ----------	4	1650	11.00			18,150	91		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	60.6	247	16.6			13,954	70	384	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	32,104	161	384	
Engineering, Administration, Legal, Contingencies 25% ----------	8,026			
Total ----------	40,130	161	384	
Annualized Cost (50 yr @ 8.375%)----------	3,422	161	384	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	3,422	161	384	3,966
Annual Cost Per Acre ----------	570	27	64	661
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	131
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-530

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A17		
Parcel No. ----	A17		
Net Acres -----	14		
Crop ----------	alf/bar		
Water Pay Cap -	173		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	A17	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(diam,Lf,$/ft) ----------	4	900	11.00			9,900	50		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	141	223	38.8			20,355	102	810	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	30,255	151	810	
Engineering, Administration, Legal, Contingencies 25% ----------	7,564			
Total ----------	37,819	151	810	
Annualized Cost (50 yr @ 8.375%)----------	3,225	151	810	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	3,225	151	810	4,186
Annual Cost Per Acre ----------	230	11	58	299
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	173
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-126

UTE/OFFAF

1380

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A18		
Parcel No. ----	A18		
Net Acres -----	32		
Crop ----------	alf/bar		
Water Pay Cap -	193		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	A18	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(diam,Lf,$/ft) ----------	6	300	12.50			3,750	19		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	323	241	88.6			30,713	154	1,998	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	34,463	172	1,998	
Engineering, Administration, Legal, Contingencies 25% ----------	8,616			
Total ----------	43,078	172	1,998	
Annualized Cost (50 yr @ 8.375%)----------	3,674	172	1,998	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	3,674	172	1,998	5,844
Annual Cost Per Acre ----------	115	5	62	183
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	193
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	10

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A19		
Parcel No. ----	A19		
Net Acres -----	34		
Crop ----------	alf/bar		
Water Pay Cap -	194		
System Type ---	hndmve	Power rate $/kwh ---	.068605
Water System --	A19	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 100 f(diam,Lf,$/ft) ----------	6	1950	12.00			23,400	117		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	50	210				10,500	53		
River Pump f(gpm,TDH,ac ft/yr) ----	343	290	94.2			32,722	164	2,556	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	66,622	333	2,556	
Engineering, Administration, Legal, Contingencies 25% ----------	16,656			
Total ----------	83,278	333	2,556	
Annualized Cost (50 yr @ 8.375%)----------	7,102	333	2,556	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	7,102	333	2,556	9,991
Annual Cost Per Acre ----------	209	10	75	294
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	194
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-100

UTE/OFFAF

1381

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A20		
Parcel No. ----	A20		
Net Acres -----	12		
Crop ----------	alf/bar		
Water Pay Cap -	168		
System Type ---	handmove	Power rate $/kwh ---	.068605
Water System --	A20	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 200 f(diam,LF,$/ft) ----------	4	2600	11.50			29,900	150		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ---	121	317	33.2			19,641	98	985	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	49,541	248	985	
Engineering, Administration, Legal, Contingencies 25% ----------	12,385			
Total ----------	61,927	248	985	
Annualized Cost (50 yr @ 8.375%)----------	5,281	248	985	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	5,281	248	985	6,514
Annual Cost Per Acre ----------	440	21	82	543
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	168
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-375

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A21
Parcel No. ---- A21
Net Acres ----- 16
Crop ---------- alf/bar
Water Pay Cap - 179
System Type --- hndave
Water System -- A21
Date ---------- 4/16/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(diam,LF,$/ft) ----------	4	500	11.00			5,500	28		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	162	225	44.3			21,743	109	933	
Booster f(gpm,TDH,ac ft/gr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	27,243	136	933	
Engineering, Administration, Legal, Contingencies 25% ----------	6,811			
Total ----------	34,054	136	933	
Annualized Cost (50 yr @ 8.375%)----------	2,904	136	933	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	2,904	136	933	3,973
Annual Cost Per Acre ----------	182	9	58	248
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	179
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-69

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A22
Parcel No. ---- A22
Net Acres ----- 61.3
Crop ---------- alf/bar
Water Pay Cap - 170
System Type --- hndave
Water System -- A22
Date ---------- 6/19/87

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $ $/yr	Total Cost $
PIPELINE:									
Class f(dia,LF,$/ft) ----------									
350	6	2600	15.00			39,000	195		
250	6	1500	14.00			21,000	105		
150	6	1100	12.50			13,750	69		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	30	210				10,500	53		
River Pump f(gpm,TDH,ac ft/yr) ----	552	807	153.9			61,397	307	11,622	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	145,647	728	11,622	
Engineering, Administration, Legal, Contingencies 25% ----------	36,412			
Total ----------	182,058	728	11,622	
Annualized Cost (50 yr @ 8.375%)----------	15,526	728	11,622	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	15,526	728	11,622	27,876
Annual Cost Per Acre ----------	253	12	190	455
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	170
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-285

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A25		
Parcel No. ----	A25		
Net Acres -----	31		
Crop ----------	alf/bar		
Water Pay Cap -	166		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	A25	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(diam,Lf,$/ft) ----------									
250	6	300	14.00			4,200	21		
200	6	300	13.00			3,900	20		
150	6	400	12.50			5,000	25		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	279	483.3	77.8			32,805	164	3,519	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	45,905	230	3,519	
Engineering, Administration, Legal, Contingencies 25% ----------	11,476			
Total ----------	57,382	230	3,519	
Annualized Cost (50 yr @ 8.375%)----------	4,893	230	3,519	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	4,893	230	3,519	8,642
Annual Cost Per Acre ----------	158	7	114	279
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	166
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-113

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A26		
Parcel No. ----	A26		
Net Acres -----	11		
Crop ----------	alf/bar		
Water Pay Cap -	166		
System Type ---	handmove	Power rate $/kwh ---	.068605
Water System --	A26	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 200 f(diam,LF,$/ft) ----------	4	1000	11.50			11,500	58		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	111	395	30.5			19,367	97	1,127	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						30,867	154	1,127	
Engineering, Administration, Legal, Contingencies 25% ----------						7,717			
Total ----------						38,584	154	1,127	
Annualized Cost (50 yr @ 8.375%)----------						3,290	154	1,127	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						3,290	154	1,127	4,572
Annual Cost Per Acre ----------						299	14	102	416
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	166
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-250

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A27
Parcel No. ---- A27
Net Acres ----- 7
Crop ---------- alf/bar
Water Pay Cap - 138
System Type --- hndwve
Water System -- A27
Date ---------- 4/16/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 100 f(diam,Lf,$/ft) ----------	4	50	10.50			525	3		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River-Pump-f(gpm,TDH,ac ft/yr) ---	70.7	169	19.4			14,638	73	307	
Booster f(gpm,TDH,ac ft/yr) ------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	15,163	76	307	
Engineering, Administration, Legal, Contingencies 25% ----------	3,791			
Total ----------	18,954	76	307	
Annualized Cost (50 yr @ 8.375%)----------	1,616	76	307	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	1,616	76	307	1,999
Annual Cost Per Acre ----------	231	11	44	286
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	138
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-148

UTE/OFFAF 1384

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A30		
Parcel No. ----	A30		
Net Acres -----	77.2		
Crop ----------	alf/bar		
Water Pay Cap -	170		
System Type ---	hndsve	Power rate $/kwh ---	.068605
Water System --	A30	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(diam,Lf,$/ft) ----------									
300		8	9300	18.50		172,050	860		
200		8	11400	17.00		193,800	969		
150		8	2000	16.00		32,000	160		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	50		210			10,500	53		
River Pump f(gpm,TDH,ac ft/yr) ----	694.8		545.3	193.8		60,092	300	9,889	
Booster f(gpm,TDH,ac ft/yr) -------	649.8		413.5	193.8		51,739	259	7,499	
ACCESS ROADS: f(LF,$/LF)	0		.00			0	0		
POWER LINE EXT: f(LF,$/LF)	0		.00			0	0		
PIPELINE R/W: f(LF,$/LF)	0		.00			0	0		
PUMP STA R/W: f(acres,$/ac)	0		0			0	0		
Subtotal ----------						320,181	2,601	17,388	
Engineering, Administration, Legal, Contingencies 25% ----------						130,045			
Total ----------						650,227	2,601	17,388	
Annualized Cost (50 yr @ 8.375%)----------						55,451	2,601	17,388	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						55,451	2,601	17,388	75,440
Annual Cost Per Acre ----------						718	34	225	977
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	170
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-807

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A32
Parcel No. ---- A32
Net Acres ----- 12
Crop ---------- alf/bar
Water Pay Cap - 141
System Type --- hndave
Water System -- A32
Date ---------- 6/19/87

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(diam,Lf,$/ft) ----------									
300	4	12300	12.50			153,750	769		
200	4	5000	11.50			57,500	288		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River-Pump-f(gpm,TDH,ac-ft/yr)----	108	398.7	30.1			19,131	96	1,123	
Booster f(gpm,TDH,ac ft/yr) -------	108	301	30.1			18,496	92	848	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						248,878	1,244	1,971	
Engineering, Administration, Legal, Contingencies 25% ----------						62,219			
Total ----------						311,097	1,244	1,971	
Annualized Cost (50 yr @ 8.375%)----------						26,530	1,244	1,971	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						26,530	1,244	1,971	29,745
Annual Cost Per Acre ----------						2,211	104	164	2,479
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	141
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-2,338

UTE/OFFAF

1385

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A33		
Parcel No. ----	A33		
Net Acres -----	10		
Crop ----------	alf/bar		
Water Pay Cap -	136		
System Type ---	hndmve	Power rate $/kwh ---	.068605
Water System --	A33	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(dian,LF,$/Ft) ----------									
300	4	12300	12.50			153,750	769		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	90	570.5	25.1			18,437	92	1,340	
Booster f(gpm,TDH,ac ft/yr) -------						0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	172,187	861	1,340	
Engineering, Administration, Legal, Contingencies 25% ----------	43,047			
Total ----------	215,234	861	1,340	
Annualized Cost (50 yr @ 8.375%)----------	18,355	861	1,340	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	18,355	861	1,340	20,556
Annual Cost Per Acre ----------	1,835	86	134	2,056
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	136
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-1,920

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A34		
Parcel No. ----	A34		
Net Acres -----	14		
Crop ----------	alf/bar		
Water Pay Cap -	173		
System Type ---	hadave	Power rate $/kwh ---	.068605
Water System --	A34	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $ $/yr	Total Cost $
PIPELINE:									
CL 250 f(dia,LF,$/ft) ----------	4	1100	12.00			13,200	66		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	141.4	410	38.8			21,987	110	1,489	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	35,187	176	1,489	
Engineering, Administration, Legal, Contingencies 25% ----------	8,797			
Total ----------	43,984	176	1,489	
Annualized Cost (50 yr @ 8.375%)----------	3,751	176	1,489	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	3,751	176	1,489	5,415
Annual Cost Per Acre ----------	268	13	106	387
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	173
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-214

UTE/OFFAF

1386

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A36		
Parcel No. ----	A36		
Net Acres -----	110		
Crop ----------	alf/bar		
Water Pay Cap -	195		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	A36	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(dia,Lf,$/ft) ----------	10	900	21.00			18,900	95		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	50	210				10,500	53		
River Pump f(gpm,TDH,ac ft/yr) ----	1111	244	304.7			60,443	302	6,957	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	89,843	449	6,957	
Engineering, Administration, Legal, Contingencies 25% ----------	22,461			
Total ----------	112,303	449	6,957	
Annualized Cost (50 yr @ 8.375%)----------	9,577	449	6,957	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	9,577	449	6,957	16,984
Annual Cost Per Acre ----------	87	4	63	154
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	195
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	41

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A40
Parcel No. ---- A40
Net Acres ----- 56
Crop ---------- alf/bar
Water Pay Cap - 170
System Type --- handmove
Water System -- A40
Date ---------- 4/16/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 200 f(diam,LF,$/ft)	6	1700	13.00			22,100	111		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft)	50	210				10,500	53		
River Pump f(gpm,TDH,ac ft/yr)	504	319	140.6			41,217	206	4,197	
Booster f(gpm,TDH,ac ft/yr)	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal						73,817	369	4,197	
Engineering, Administration, Legal, Contingencies 25%						18,454			
Total						92,271	369	4,197	
Annualized Cost (50 yr @ 8.375%)						7,869	369	4,197	
Less Incremental Water System Cost, Parcel(s) _____									
Parcel Total Annual Cost						7,869	369	4,197	12,435
Annual Cost Per Acre						141	7	75	222
Parcel Crop Payment Capacity (Input negitive numbers with a -)						--------	--------	--------	170
Net Parcel Residual Water Payment Capacity						--------	--------	--------	-52

UTE/OFFAF

1387

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A41
Parcel No. ---- A41
Net Acres ----- 30
Crop ---------- alf/bar
Water Pay Cap - 192
System Type --- handmove
Water System -- A41
Date ---------- 4/16/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 #(dian,Lf,$/ft) ----------	6	300	12.50			3,750	19		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion #(ft,$/ft) ----------	0	210				0	0		
River Pump #(gpm,TDH,ac ft/yr) ----	303	241	83.1			29,737	149	1,874	
Booster #(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: #(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: #(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: #(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: #(acres,$/ac)	0	0				0	0		
Subtotal ----------						33,487	167	1,874	
Engineering, Administration, Legal, Contingencies 25% ----------						8,372			
Total ----------						41,859	167	1,874	
Annualized Cost (50 yr @ 8.375%)----------						3,570	167	1,874	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						3,570	167	1,874	5,611
Annual Cost Per Acre ----------						119	6	62	187
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	192
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	5

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A42
Parcel No. ---- A42
Net Acres ----- 21
Crop ---------- alf/bar
Water Pay Cap - 163
System Type --- handmove
Water System -- A42
Date ---------- 4/16/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Cl 150 f(diam,Lf,$/ft)----------	4	300	11.00			3,300	17		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River_Pump_f(gpm,TDH,ac ft/yr) ----	189	215	52.7			23,278	116	1,060	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	26,578	133	1,060	
Engineering, Administration, Legal, Contingencies 25% ----------	6,644			
Total ----------	33,222	133	1,060	
Annualized Cost (50 yr @ 8.375%)----------	2,833	133	1,060	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	2,833	133	1,060	4,026
Annual Cost Per Acre ----------	135	6	50	192
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	163
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-29

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A43
Parcel No. ---- A43
Net Acres ----- 8
Crop ---------- alf/bar
Water Pay Cap - 119
System Type --- hndave
Water System -- A43
Date ---------- 6/19/87

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(diam,LF,$/ft) ----------									
150	4	800	11.00			8,800	44		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	72	199.6	20.1			14,882	74	375	
Booster f(gpm,TDH,ac ft/yr) -------						0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						23,682	118	375	
Engineering, Administration, Legal, Contingencies 25% ----------						5,920			
Total ----------						29,602	118	375	
Annualized Cost (50 yr @ 8.375%)----------						2,524	118	375	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						2,524	118	375	3,018
Annual Cost Per Acre ----------						316	15	47	377
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	119
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-258

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A44
Parcel No. ---- A44
Net Acres ----- 14
Crop ---------- alf/bar
Water Pay Cap - 173
System Type --- hndave
Water System -- A44
Date ---------- 4/16/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(diam,Lf,$/ft) ----------	4	100	11.00			1,100	6		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River_Pump_f(gpm,TDH,ac_ft/yr) ----	141.4	190	38.8			20,105	101	690	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	21,205	106	690	
Engineering, Administration, Legal, Contingencies 25% ----------	5,301			
Total ----------	26,506	106	690	
Annualized Cost (50 yr @ 8.375%)----------	2,260	106	690	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	2,260	106	690	3,056
Annual Cost Per Acre ----------	161	8	49	218
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	173
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-45

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A45
Parcel No. ---- A45
Net Acres ----- 11
Crop ---------- alf/bar
Water Pay Cap - 166
System Type --- hndmve
Water System -- A45
Date ---------- 4/16/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(diam,Lf,$/ft) ----------	4	50	11.00			550	3		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	115.5	189	30.5			18,328	92	539	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						18,878	94	539	
Engineering, Administration, Legal, Contingencies 25% ----------						4,720			
Total ----------						23,598	94	539	
Annualized Cost (50 yr @ 8.375%)----------						2,012	94	539	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						2,012	94	539	2,646
Annual Cost Per Acre ----------						183	9	49	241
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	166
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-75

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A46
Parcel No. ---- A46
Net Acres ----- 45
Crop ---------- alf/bar
Water Pay Cap - 171
System Type --- handmove
Water System -- A46
Date ---------- 4/16/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(diam,Lf,$/ft) ----------	6	300	12.50			3,750	19		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	50	210				10,500	53		
River-Pump-f(gpm;TDH;ac ft/yr)----	405	202	113			33,496	167	2,136	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						47,746	239	2,136	
Engineering, Administration, Legal, Contingencies 25% ----------						11,936			
Total ----------						59,682	239	2,136	
Annualized Cost (50 yr @ 8.375%)----------						5,090	239	2,136	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						5,090	239	2,136	7,464
Annual Cost Per Acre ----------						113	5	47	166
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	171
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	5

UTE/OFFAF

1390

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A48
Parcel No. ---- A48
Net Acres ----- 80
Crop ---------- alf/bar
Water Pay Cap - 170
System Type --- handmove
Water System -- A48
Date ---------- 4/16/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $ $/yr	Total Cost $
PIPELINE:									
CL 200 f(diam,LF,$/ft) ----------	8	1000	17.00			17,000	85		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	50	210				10,500	53		
River Pump f(gpm,TDH,ac ft/yr) ----	720	342	200.8			51,743	259	6,426	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	79,243	396	6,426	
Engineering, Administration, Legal, Contingencies 25% ----------	19,811			
Total ----------	99,054	396	6,426	
Annualized Cost (50 yr @ 8.375%)----------	8,447	396	6,426	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	8,447	396	6,426	15,270
Annual Cost Per Acre ----------	106	5	80	191
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	170
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-21

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A49
Parcel No. ---- A49
Net Acres ----- 162
Crop ---------- alf/bar
Water Pay Cap - 169
System Type --- handmove
Water System -- A49
Date ---------- 4/16/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(dia,LF,$/ft) ----------	12	600	26.50			15,900	80		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	30	210				10,500	53		
River-Pump-f(gpm,TDH,ac-ft/yr) ----	1458	231	406.6			69,937	350	8,789	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						96,337	482	8,789	
Engineering, Administration, Legal, Contingencies 25% ----------						24,084			
Total ----------						120,422	482	8,789	
Annualized Cost (50 yr @ 8.375%)----------						10,269	482	8,789	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						10,269	482	8,789	19,540
Annual Cost Per Acre ----------						63	3	54	121
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	169
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	48

UTE/OFFAF

1391

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A50-49		
Parcel No. ----	A50		
Net Acres -----	370.4		
Crop ----------	alf/bar		
Water Pay Cap -	169		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	A50,49	Interest rate ------	.08375
Date ----------	4/21/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(dia,LF,$/ft) ----------	0	0	.00			0	0		
150	18	600	45.00			27,000	135		
200	14	2500	35.00			87,500	438		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	50	210				10,500	53		
River Pump f(gpm,TDH,ac ft/yr) ----	4792	229	1336.4			153,300	766	28,638	
Booster f(gpm,TDH,ac ft/yr) -------	3334	367.8	929.7			151,618	758	31,998	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	429,918	2,150	60,636	
Engineering, Administration, Legal, Contingencies 25% ----------	107,479			
Total ----------	537,397	2,150	60,636	
Annualized Cost (50 yr @ 8.375%)----------	45,829	2,150	60,636	
Less Incremental Water System Cost, Parcel(s) A50 ----------	10269	482	8789	
Parcel Total Annual Cost ----------	35,560	1,668	51,847	89,074
Annual Cost Per Acre ----------	96	5	140	240
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	169
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-71

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A50
Parcel No. ---- A50
Net Acres ----- 370.4
Crop ---------- alf/bar
Water Pay Cap - 169
System Type --- hndave
Water System -- A50
Date ---------- 4/21/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(diam,Lf,$/ft) ----------	0	0	.00			0	0		
250	14	800	38.00			30,400	152		
150	14	800	32.00			25,600	128		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	50	210				10,300	53		
River-Pump-f(gpm,TDH,ac ft/yr) ----	3334	439	929.7			168,708	844	38,192	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						235,208	1,176	38,192	
Engineering, Administration, Legal, Contingencies 25% ----------						58,802			
Total ----------						294,010	1,176	38,192	
Annualized Cost (50 yr @ 8.375%)----------						25,073	1,176	38,192	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						25,073	1,176	38,192	64,441
Annual Cost Per Acre ----------						68	3	103	174
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	169
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-5

UTE/OFFAF **1392**

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2A51		
Parcel No. ----	A51		
Net Acres -----	6		
Crop ----------	alf/bar		
Water Pay Cap -	105		
System Type ---	hndmve	Power rate $/kwh ---	.068605
Water System --	A51	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class #(dia,Lf,$/ft) ----------									
150	4	2000	11.00			22,000	110		
100	4	500	10.5			5,250	26		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion #(ft,$/ft) ----------	0	210				0	0		
River Pump #(gpm,TDH,ac ft/yr) ----	54	309	15.1			13,447	67	437	
Booster #(gpm,TDH,ac ft/yr) -------						0	0	0	
ACCESS ROADS: #(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: #(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: #(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: #(acres,$/ac)	0	0				0	0		
Subtotal ----------						40,697	203	437	
Engineering, Administration, Legal, Contingencies 25% ----------						10,174			
Total ----------						50,871	203	437	
Annualized Cost (50 yr @ 8.375%)----------						4,338	203	437	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						4,338	203	437	4,978
Annual Cost Per Acre ----------						723	34	73	830
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	105
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-725

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A52
Parcel No. ---- A52
Net Acres ----- 39
Crop ---------- alf/bar
Water Pay Cap - 169
System Type --- handmove
Water System -- A52
Date ---------- 4/16/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 200 f(diam,Lf,$/ft) ----------	6	300	13.00			3,900	20		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	50	210				10,500	53		
River Pump f(gpm,TDH,ac ft/yr) ----	351	312	98			33,612	168	2,861	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						48,012	240	2,861	
Engineering, Administration, Legal, Contingencies 25% ----------						12,003			
Total ----------						60,015	240	2,861	
Annualized Cost (50 yr @ 8.375%)----------						5,118	240	2,861	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						5,118	240	2,861	8,219
Annual Cost Per Acre ----------						131	6	73	211
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	169
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-42

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A53
Parcel No. ---- A53
Net Acres ----- 21
Crop ---------- alf/bar
Water Pay Cap - 163
System Type --- handmove
Water System -- A53
Date ---------- 4/16/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 100 f(diam,Lf,$/ft) ----------	4	200	10.50			2,100	11		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	189	163	52.7			22,687	113	804	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	24,787	124	804	
Engineering, Administration, Legal, Contingencies 25% ----------	6,197			
Total ----------	30,984	124	804	
Annualized Cost (50 yr @ 8.375%)----------	2,642	124	804	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	2,642	124	804	3,570
Annual Cost Per Acre ----------	126	6	38	170
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	163
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-7

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2A54
Parcel No. ---- A54
Net Acres ----- 53.4
Crop ---------- alf/bar
Water Pay Cap - 170
System Type --- hndave
Water System -- A54
Date ---------- 6/19/87

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(diam,LF,$/ft) ----------									
250	6	3600	14.00			50,400	252		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	50	210				10,500	53		
River Pump f(gpm,TDH,ac ft/yr)----	481	559.7	134			47,552	238	6,943	
Booster f(gpm,TDH,ac ft/yr) -------						0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						108,452	542	6,943	
Engineering, Administration, Legal, Contingencies 25% ----------						27,113			
Total ----------						135,564	542	6,943	
Annualized Cost (50 yr @ 8.375%)----------						11,561	542	6,943	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						11,561	542	6,943	19,046
Annual Cost Per Acre ----------						216	10	130	357
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	170
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-187

UTE/OFFAF

1394

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2F5		
Parcel No. ----	F5		
Net Acres -----	44.5		
Crop ----------	alf/bar		
Water Pay Cap -	171		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	F5	Interest rate ------	.08375
Date ----------	4/21/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(diam,Lf,$/ft) ----------	0	0	.00			0	0		
Cl 200	6	2000	13.00			26,000	130		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	30	210				6,300	32		
River Pump f(gpm,TDH,ac ft/yr) ----	400	456.4	111.7			39,802	199	4,771	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	72,102	361	4,771	
Engineering, Administration, Legal, Contingencies 25% ----------	18,026			
Total ----------	90,128	361	4,771	
Annualized Cost (50 yr @ 8.375%)----------	7,686	361	4,771	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	7,686	361	4,771	12,817
Annual Cost Per Acre ----------	173	8	107	288
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	171
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-117

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2F6
Parcel No. ---- F6
Net Acres ----- 30
Crop ---------- alf/bar
Water Pay Cap - 139
System Type --- hndmve
Water System -- F6
Date ---------- 4/21/86

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(dia,LF,$/ft) ----------									
250	6	700	14.00			9,800	49		
150	6	600	12.50			7,500	38		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River-Pump-f(gpm,TDH,ac_ft/yr) ----	270	455	66.6			31,710	159	2,836	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						49,010	245	2,836	
Engineering, Administration, Legal, Contingencies 25% ----------						12,252			
Total ----------						61,262	245	2,836	
Annualized Cost (50 yr @ 8.375%)----------						5,224	245	2,836	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						5,224	245	2,836	8,305
Annual Cost Per Acre ----------						174	8	95	277
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	139
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-138

UTE/OFFAF **1395**

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2F7		
Parcel No. ----	F7		
Net Acres -----	13		
Crop ----------	alf/bar		
Water Pay Cap -	118		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	F7	Interest rate ------	.08375
Date ----------	4/21/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(dia,Lf,$/ft) ----------									
250	4	900	14.00			12,600	63		
150	4	600	11.00			6,600	33		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	117	461	15.2			20,350	102	656	
Booster f(gpm,TDH,ac ft/yr) -------						0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						39,550	198	656	
Engineering, Administration, Legal, Contingencies 25% ----------						9,888			
Total ----------						49,438	198	656	
Annualized Cost (50 yr @ 8.375%)----------						4,216	198	656	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						4,216	198	656	5,069
Annual Cost Per Acre ----------						324	15	50	390
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	118
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-272

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2F8a
Parcel No. ---- F8a
Net Acres ----- 45.5
Crop ---------- alf/bar
Water Pay Cap - 144
System Type --- hndave
Water System -- 2F8a
Date ---------- 6/19/87

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(diam,Lf,$/ft) ----------	0	0	.00			0	0		
250	6	2000	14.00			28,000	140		
100	6	3200	12.00			38,400	192		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	30	210				6,300	32		
River Pump f(gpm,TDH,ac-ft/yr) -----	410	452	101			40,272	201	4,272	
Booster f(gpm,TDH,ac ft/yr) -------		0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	112,972	565	4,272	
Engineering, Administration, Legal, Contingencies 25% ----------	28,243			
Total ----------	141,215	565	4,272	
Annualized Cost (50 yr @ 8.375%)----------	12,043	565	4,272	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	12,043	565	4,272	16,879
Annual Cost Per Acre ----------	265	12	94	371
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	144
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-227

UTE/OFFAF **1396**

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2F8b		
Parcel No. ----	F8b		
Net Acres -----	23		
Crop ----------	alf/bar		
Water Pay Cap -	137		
System Type ---	hndsve	Power rate $/kwh ---	.068605
Water System --	F8b	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(dia,Lf,$/ft) ----------	0	0	.00			0	0		
250	6	2000	14.00			28,000	140		
150	6	6800	12.50			85,000	425		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	207	457.2	51			27,417	137	2,182	
Booster f(gpm,TDH,ac ft/yr) -------		0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	140,417	702	2,182	
Engineering, Administration, Legal, Contingencies 25% ----------	35,104			
Total ----------	175,522	702	2,182	
Annualized Cost (50 yr @ 8.375%)----------	14,968	702	2,182	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	14,968	702	2,182	17,852
Annual Cost Per Acre ----------	651	31	95	776
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	137
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-639

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2F9
Parcel No. ---- F9
Net Acres ----- 65.3
Crop ---------- alf/bar
Water Pay Cap - 144
System Type --- hndave
Water System -- F9
Date ---------- 6/19/87

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $ $/yr	Total Cost $
PIPELINE:									
Class f(dia,Lf,$/ft) ----------	0	0	.00			0	0		
250	8	2000	17.50			35,000	175		
150	8	1500	16.00			24,000	120		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	30	210				6,300	32		
River Pump f(gpm,TDH,ac-ft/yr) -----	588	440.3	145			49,694	248	5,974	
Booster f(gpm,TDH,ac ft/yr) -------		0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	114,994	575	5,974	
Engineering, Administration, Legal, Contingencies 25% ----------	28,749			
Total ----------	143,743	575	5,974	
Annualized Cost (50 yr @ 8.375%)----------	12,258	575	5,974	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	12,258	575	5,974	18,808
Annual Cost Per Acre ----------	188	9	91	288
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	144
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-144

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2F10		
Parcel No. ----	F10		
Net Acres -----	29		
Crop ----------	alf/bar		
Water Pay Cap -	165		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	F10	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(diam,LF,$/ft) ----------	4	200	11.00			2,200	11		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	261	206	72.8			27,040	135	1,403	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	29,240	146	1,403	
Engineering, Administration, Legal, Contingencies 25% ----------	7,310			
Total ----------	36,550	146	1,403	
Annualized Cost (50 yr @ 8.375%)----------	3,117	146	1,403	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	3,117	146	1,403	4,666
Annual Cost Per Acre ----------	107	5	48	161
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	165
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	4

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2F11a
Parcel No. ---- F11a
Net Acres ----- 5
Crop ---------- alf/bar
Water Pay Cap - 97
System Type --- hndave
Water System -- F11a
Date ---------- 6/19/87

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(diam,LF,$/ft) ----------									
100	4	200	10.50			2,100	11		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr)-----	45	159	12.6			12,003	60	187	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						14,103	71	187	
Engineering, Administration, Legal, Contingencies 25% ----------						3,526			
Total ----------						17,629	71	187	
Annualized Cost (50 yr @ 8.375%)----------						1,503	71	187	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						1,503	71	187	1,761
Annual Cost Per Acre ----------						301	14	37	352
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	97
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-255

UTE/OFFAF

1398

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2F11b		
Parcel No. ----	F11b		
Net Acres -----	6		
Crop ----------	alf/bar		
Water Pay Cap -	105		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	F11b	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class #(diam,LF,$/ft) ----------									
150	4	800	11.00			8,800	44		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion #(ft,$/ft) ----------	0	210				0	0		
River Pump #(gpm,TDH,ac ft/yr) ----	54	190	15.1			13,079	65	268	
Booster #(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: #(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: #(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: #(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: #(acres,$/ac)	0	0				0	0		

Subtotal ----------	21,879	109	268	
Engineering, Administration, Legal, Contingencies 25% ----------	5,470			
Total ----------	27,349	109	268	
Annualized Cost (50 yr @ 8.375%)----------	2,332	109	268	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	2,332	109	268	2,710
Annual Cost Per Acre ----------	389	18	45	452
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	105
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-347

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2F12		
Parcel No. ----	F12		
Net Acres -----	112.8		
Crop ----------	alf/bar		
Water Pay Cap -	142		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	F12	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $ $/yr	Total Cost $
PIPELINE:									
Class f(diam,LF,$/ft) ----------									
200	8	500	17.00			8,500	43		
150	8	1000	16.00			16,000	80		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	30	210				6,300	32		
River-Pump-f(gpm,TDH,ac-ft/yr)- ---	1015	376	250			66,282	331	8,796	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	97,082	485	8,796	
Engineering, Administration, Legal, Contingencies 25% ----------	24,271			
Total ----------	121,353	485	8,796	
Annualized Cost (50 yr @ 8.375%)----------	10,349	485	8,796	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	10,349	485	8,796	19,631
Annual Cost Per Acre ----------	92	4	78	174
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	142
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-32

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

1399

File Name -----	2F13		
Parcel No. ----	F13		
Net Acres -----	17		
Crop ----------	alf/bar		
Water Pay Cap -	154		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	F13	Interest rate ------	.08375
Date ----------	4/16/86	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
CL 150 f(dia,Lf,$/ft) ----------	4	500	11.00			5,500	28		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	153	196	37.7			20,901	105	691	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						26,401	132	691	
Engineering, Administration, Legal, Contingencies 25% ----------						6,600			
Total ----------						33,001	132	691	
Annualized Cost (50 yr @ 8.375%)----------						2,814	132	691	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						2,814	132	691	3,638
Annual Cost Per Acre ----------						166	8	41	214
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	154
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-60

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2F14		
Parcel No. ----	F14		
Net Acres -----	53.4		
Crop ----------	alf/bar		
Water Pay Cap -	144		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	F14	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(dia,Lf,$/ft) ----------									
250	6	2000	14.00			28,000	140		
200	6	2000	13.00			26,000	130		
150	6	5000	12.50			62,500	313		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	30	210				6,300	32		
River-Pump f(gpm,TDH,ac-ft/yr) ----	481	548.5	118.5			47,385	237	6,082	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	170,185	851	6,082	
Engineering, Administration, Legal, Contingencies 25% ----------	42,546			
Total ----------	212,732	851	6,082	
Annualized Cost (50 yr @ 8.375%)----------	18,142	851	6,082	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	18,142	851	6,082	25,075
Annual Cost Per Acre ----------	340	16	114	470
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	144
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-326

UTE/OFFAF **1400**

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2F15		
Parcel No. ----	F15		
Net Acres -----	14		
Crop ----------	alf/bar		
Water Pay Cap -	120		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	F15	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(dia,LF,$/ft) ----------									
200	4	2000	11.50			23,000	115		
150	4	2000	11.00			22,000	110		
100	4	2100	10.50			22,050	110		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	126	450.1	31.1			21,051	105	1,310	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	88,101	441	1,310	
Engineering, Administration, Legal, Contingencies 25% ----------	22,025			
Total ----------	110,126	441	1,310	
Annualized Cost (50 yr @ 8.375%)----------	9,391	441	1,310	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	9,391	441	1,310	11,142
Annual Cost Per Acre ----------	671	31	94	796
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	120
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-676

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name ----- 2F16
Parcel No. ---- F16
Net Acres ----- 12
Crop ---------- alf/bar
Water Pay Cap - 115
System Type --- hndsve
Water System -- F16
Date ---------- 6/19/87

Power rate $/kwh --- .068605
Interest rate ------ .08375
Project Life ------- 50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(dia,LF,$/ft) ----------									
200	4	2000	11.50			23,000	115		
150	4	2000	11.00			22,000	110		
100	4	1500	10.50			15,750	79		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River-Pump-f(gpm,TDH,ac-ft/yr) ----	108	365.4	26.6			18,914	95	910	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	79,664	398	910	
Engineering, Administration, Legal, Contingencies 25% ----------	19,916			
Total ----------	99,580	398	910	
Annualized Cost (50 yr @ 8.375%)----------	8,492	398	910	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	8,492	398	910	9,800
Annual Cost Per Acre ----------	708	33	76	817
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	-------	-------	-------	115
Net Parcel Residual Water Payment Capacity ----------	-------	-------	-------	-702

UTE/OFFAF **1401**

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2F17		
Parcel No. ----	F17		
Net Acres -----	10		
Crop ----------	alf/bar		
Water Pay Cap -	110		
System Type ---	hndsve	Power rate $/kwh ---	.068605
Water System --	F17	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(diam,LF,$/ft) ----------									
150	4	3500	11.00			38,500	193		
100	4	1000	10.50			10,500	53		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	90	311.5	22.2			17,031	85	647	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	66,031	330	647	
Engineering, Administration, Legal, Contingencies 25% ----------	16,508			
Total ----------	82,539	330	647	
Annualized Cost (50 yr @ 8.375%)----------	7,039	330	647	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	7,039	330	647	8,016
Annual Cost Per Acre ----------	704	33	65	802
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	110
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-692

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2F18		
Parcel No. ----	F18		
Net Acres -----	6		
Crop ----------	alf/bar		
Water Pay Cap -	78		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	F18	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(diam,Lf,$/ft) ----------									
150	4	3500	11.00			38,500	193		
100	4	2700	10.50			28,350	142		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River-Pump-f(gpm,TDH,ac ft/yr) ----	54	256.4	13.3			13,283	66	319	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	80,133	401	319	
Engineering, Administration, Legal, Contingencies 25% ----------	20,033			
Total ----------	100,166	401	319	
Annualized Cost (50 yr @ 8.375%)----------	8,542	401	319	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	8,542	401	319	9,262
Annual Cost Per Acre ----------	1,424	67	53	1,544
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	78
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-1,466

UTE/OFFAF 1402

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2F19		
Parcel No. ----	F19		
Net Acres -----	28		
Crop ----------	alf/bar		
Water Pay Cap -	139		
System Type ---	hndave	Power rate $/kwh ---	.068605
Water System --	F19	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(diam,Lf,$/ft) ----------									
150	6	1000	12.50			12,500	63		
100	6	300	12.00			3,600	18		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	252	325	62.2			28,442	142	1,892	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		

Subtotal ----------	44,542	223	1,892	
Engineering, Administration, Legal, Contingencies 25% ----------	11,136			
Total ----------	55,678	223	1,892	
Annualized Cost (50 yr @ 8.375%)----------	4,748	223	1,892	
Less Incremental Water System Cost, Parcel(s) _____----------				
Parcel Total Annual Cost ----------	4,748	223	1,892	6,863
Annual Cost Per Acre ----------	170	8	68	245
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------	--------	--------	--------	139
Net Parcel Residual Water Payment Capacity ----------	--------	--------	--------	-106

UTE/OFFAF

COST SUMMARY
OFF FARM IRRIGATION FACILITIES
SOUTHERN UTE INDIAN RESERVATION

File Name -----	2F20		
Parcel No. ----	F20		
Net Acres -----	27		
Crop ----------	alf/bar		
Water Pay Cap -	138		
System Type ---	hndmve	Power rate $/kwh ---	.068605
Water System --	F20	Interest rate ------	.08375
Date ----------	6/19/87	Project Life -------	50

Facilities	Column A	Column B	Column C	Column D	Column E	Capital Cost $	O & M Cost $/yr	Power Cost $/yr	Total Cost $
PIPELINE:									
Class f(dian,Lf,$/ft) ----------									
150	6	1000	12.50			12,500	63		
100	6	1300	12.00			15,600	78		
						0	0		
						0	0		
						0	0		
						0	0		
PUMP STATION:									
Diversion f(ft,$/ft) ----------	0	210				0	0		
River Pump f(gpm,TDH,ac ft/yr) ----	243	319.8	59.9			27,832	139	1,793	
Booster f(gpm,TDH,ac ft/yr) -------	0	0	0			0	0	0	
ACCESS ROADS: f(LF,$/LF)	0	.00				0	0		
POWER LINE EXT: f(LF,$/LF)	0	.00				0	0		
PIPELINE R/W: f(LF,$/LF)	0	.00				0	0		
PUMP STA R/W: f(acres,$/ac)	0	0				0	0		
Subtotal ----------						55,932	280	1,793	
Engineering, Administration, Legal, Contingencies 25% ----------						13,983			
Total ----------						69,915	280	1,793	
Annualized Cost (50 yr @ 8.375%)----------						5,962	280	1,793	
Less Incremental Water System Cost, Parcel(s) _____----------									
Parcel Total Annual Cost ----------						5,962	280	1,793	8,034
Annual Cost Per Acre ----------						221	10	66	298
Parcel Crop Payment Capacity (Input negitive numbers with a -) ----------						--------	--------	--------	138
Net Parcel Residual Water Payment Capacity ----------						--------	--------	--------	-160