

MEMORANDUM

TO: Water Trust Board Members

FROM: Emergency Drought Relief Strike Team

Bill Bartels, Bureau Chief, Drinking Water
Richard Rose, Bureau Chief, Environment Department
Mike Koranda, Director of Fields Operation Division Environment Department.
Tom Pollard, Executive Director New Mexico Finance Authority,

DATE: December 3, 2002

SUBJECT: Emergency Drought Relief Strike Force Assessment for La Lama Mutual Domestic Water Consumers Association

WATER SYSTEM: La Lama Mutual Domestic Water Consumers Association
CONTACT: Robert Watt
PHONE: H: (505) 586-0708
W: (505) 758-7441
ADDRESS: HC81 Box 23
Questa, NM 87556

Emergency Identified: The community has a domestic water supply (the ditch) that was interrupted by drought conditions. The community's vulnerability to fire and domestic water shortage constitutes an emergency situation that will at some point become an acute and immediate emergency if a new water source and storage tank are not made available. The primary drought related concern of the community is fire protection, followed closely by a reliable domestic water supply. There have been several fires in the area since the big one. Community sensitivity and concern about threat of fire is extremely high. The community very much wants a well, storage tank, and fill station to augment their ditch as a domestic water supply, and to provide a reliable reservoir for water for local fire protection.

Project Options/Alternatives Any Known Pending: The community is ready to proceed with a well, storage tank and fill station that could be constructed in time for service in summer of 2003. The project could not be completed in time for service in summer of 2003 if the decision on funding were to be deferred to the year 2003 NM Legislature. The proposed well cost-estimate is as follows:

La Lama MDWCA Water System Construction Costs

Item No.	Item Description	Qty	Unit	Price Per Unit	Price
1	Mobilize/Demobilize to Well Site	1	LS	\$ 20,000.00	\$ 20,000
2	Drill 14" Dia. Hole and Install 10" Steel Conductor Casing	40	LF	\$ 150.00	\$ 6,000
3	Drill 10" Dia. Hole from 40' to 700'	660	LF	\$ 40.00	\$ 26,400
4	Construct 6" Well	700	LF	\$ 20.00	\$ 14,000
5	6" Well Screen	40	LF	\$ 20.00	\$ 800
6	6" Well Casing	660	LF	\$ 10.00	\$ 6,600
7	6" Centralizer	8	EA	\$ 40.00	\$ 320
8	Filter Pack	60	LF	\$ 30.00	\$ 1,800
9	Bentonite Seal	20	LF	\$ 10.00	\$ 200
10	Cement Grout Seal	615	LF	\$ 6.00	\$ 3,690
11	Pitless Adapter and well cap	1	EA	\$ 1,300.00	\$ 1,300
12	Submersible Pump and Appurtenances (20 gpm)	1	EA	\$ 5,000.00	\$ 5,000
13	Preliminary Well Development	10	HR	\$ 450.00	\$ 4,500
14	Submersible Wire Cable	250	LF	\$ 15.00	\$ 3,750
15	Lost Circulation During Drilling	15	HR	\$ 450.00	\$ 6,750
16	Standby	5	HR	\$ 450.00	\$ 2,250
17	Surface Completion	1	LS	\$ 1,500.00	\$ 1,500
18	Pump Test	1	LS	\$ 10,000.00	\$ 10,000
19	Water Quality Testing	1	LS	\$ 1,500.00	\$ 1,500
20	Water Tank and Pump Controls	1	LS	\$ 4,500.00	\$ 4,500
21	Power to well/meter vault	500	LF	\$ 7.00	\$ 3,500
22	Disinfection System	1	EA	\$ 3,500.00	\$ 3,500
23	2" PVC Pipe from Well to Meter Vault	50	LF	\$ 10.00	\$ 500
24	6" PVC Pipe from Meter Vault to Tank to Water Station	2,200	LF	\$ 16.00	\$ 35,200
25	Meter Vault	1	LS	\$ 10,000.00	\$ 10,000
26	Geo-technical Testing for Water Storage Tank Site	1	LS	\$ 3,500.00	\$ 3,500
27	Water Storage Tank Site Preparation	1	LS	\$ 5,000.00	\$ 5,000
28	10,000 Gallon Water Storage Tank	1	EA	\$ 12,000.00	\$ 12,000
29	2" Gate Valve	2	EA	\$ 400.00	\$ 800
30	6" Gate Valve	2	EA	\$ 600.00	\$ 1,200
31	Water Distribution/Fill Center	1	EA	\$ 30,000.00	\$ 30,000
	Subtotal				\$ 226,060
	NMGRT	6.313%			\$ 14,270
	CONSTRUCTION ESTIMATE				\$ 240,330

La Lama MDWCA
Water System Total Project Costs
JOB NO. 6213876

PROJECT TOTALS		
Proposed Project		
Estimated Construction Subtotal		\$ 226,060
NMGRT (Taos County) @	6.313 %	\$ 14,270
Estimated Construction Total		\$ 240,330
Basic Engineering Services @	8.6 %	\$ 20,668
O & M Manuals		\$ -
Additional Professional Services* @	%	\$ -
Inspection Services @	5.5 %	\$ 13,218
Professional Services Subtotal		\$ 33,887
NMGRT (City of Santa Fe) @	6.4375 %	\$ 2,181
Professional Services Total		\$ 36,068
ESTIMATED PROJECT TOTAL (rounded)		\$ 276,400

Amount requested: \$276,400

Financial Capacity Documents on file

And/or readiness to proceed Items:

- Checking account statement
- Feasibility study/ preliminary engineering report

Recommendations: The evaluation team recommends funding assistance for La Lama MDWCA in the amount of \$276,400.

Grant Conditions/Any applicable conditions to receive help

La Lama MDWCA must commit to progress, in a manner and schedule satisfactory to Office of the State Engineer, in resolving current water rights issues and shortages.

La Lama MDWCA must provide a construction schedule and plans and specifications, acceptable to Construction Programs Bureau, NMED.