

MEMORANDUM

To: Mike Wildgen
City Manager

From: Roger Coffey
Utilities Director

Date: February 20, 2004

Subject: Rural Water District 2003 Survey Water Demand Report

Attached you will find the results of the 2003 Rural Water District survey that we requested from the Rural Water Districts. The survey provides information on water demand for the year 2003 and is sent to the districts every year in an effort to monitor usage and contract compliance. The attached table shows water demand and the number of meters provided to the Utilities Department by the Rural Water Districts. In addition we have included annual metered consumption from the City Utility Billing records for the district and calculated an average daily consumption.

On Table 2. for maximum day water demand, three of the five districts either did not provide usage or did not have actual numbers to provide, but estimated their maximum demand.

Based upon review of the data:

- (1) Rural Water District No. 1 exceeded the contract volume.
- (2) Rural Water District No. 4 needs further clarification on how the meters and allocation of supply is tracked by the Administrative staff.

Letters will be sent to these districts to clarify and inform of the conclusions.

Please let me know if you have any questions.

c: Debbie Van Saun
Dave Corliss
Chris Stewart

**SURVEY REPORT
RURAL WATER DISTRICTS
2003 WATER DEMAND**



February 2004

**Roger Coffey
Utilities Director**

2003 Rural Water District Survey

Table 1. (as reported by Rural Water Districts)

Districts	RWD No. 1	RWD No. 2	RWD No. 4	RWD No. 5	RWD No. 6
2003 Survey Usage	200,000 gpd	240,000 gpd	525,000 gpd	403,000 gpd	Not given
2003 Contract Limit	180,000 gpd	259,000 gpd	300,000 gpd	474,000 gpd	202,500 gpd
2003 Meter Contract Limit	No limit per contract	463 meters	800 meters with 1% growth	1030 meters	300 meters
2003 Meters in Service	370 meters	421 meters	917 meters	977 meters	221 meters
Contract Date	December 15, 1977	June 8, 1999	August 19, 1975	December 21, 1998	May 31, 1979

Table 2.

Rural Water District (meter limits for 2003)	Total Meters In Service 2003	Meters Installed (2003)	Meters on Waiting List	Meter Requests in 2004 (estimated)	Maximum Day Usage /Maximum Day per contract
RWD No. 1 (no limits)	370	7	0	4	200,000 gpd*/ (180,000 gpd)
RWD No. 2 (463 meters)	421	3	5	10 to 15	240,000 gpd/ (259,000 gpd)
RWD No. 4 (840 meters)	917	5 (removed 1)	175	25 to 50	525,000 gpd**/ (300,000 gpd)
RWD No. 5 (1005 meters)	977	32	69	150	403,000 gpd/ (474,000 gpd)
RWD No. 6 (300 meters)	221	4	0	4 to 6	Not given gpd/*** (202,500 gpd)

Maximum Day Water Demand

* RWD No. 1 estimated their maximum day water demand for 2003.

** RWD No. 4 approximate maximum day is 525,000 gallons with an attempt to stay within 300,000 gallons on the Lawrence service.

*** RWD No. 6 states they are unable to accurately record maximum day demand.

Table 3.

	Annual Usage from Meter Records - 2003	Calculated Average Day Use for 2003	Rural Water District Reported Average Day
RWD No. 1	49,813,600 gallons	136,475 gallons	127,000 gallons (estimated)
RWD No. 2	43,834,000 gallons	114,449 gallons	114,000 gallons
RWD No. 4	66,344,400 gallons	181,765 gallons	201,849 gallons
RWD No. 5	72,027,000 gallons	188,060 gallons	205,000 gallons
RWD No. 6	18,773,300 gallons	51,433 gallons	55,000 gallons