

RURAL WATER DISTRICT NO. 4
Douglas County

POLICY NO: 19

TITLE: PROCEDURES FOR OBTAINING NON-STANDARD SIZED METERS AND CORRESPONDING CHARGES

Rationale:

The District recognizes that large water users absorb a larger portion of the system capacity than standard users, and that system capacity is an asset that must be properly managed. To that end, the Board of Directors addresses in this policy the procedure for obtaining a non-standard sized meter, and establishes a pricing system for benefit units that corresponds to the meter size to be provided to the patron/customer. Monthly minimum charges are also provided for in the policy.

Policy:

1. Upon initiating service, if the prospective customer requests a larger meter, or anticipates more demand than a standard 5/8-inch meter can flow, the customer must justify the flow rate demanded by providing satisfactory evidence to the District.
2. If the flow rate requested can be justified, an engineering analysis must be performed to determine if the District can serve the prospective customer. The cost of the analysis to the District will be paid for by the prospective customer and will at a minimum include the following:
 - A hydraulic analysis of the supply capacity, pumping capacity, storage capacity and line sizes to determine if the flow rate demanded can be delivered by the District at the minimum required pressure levels.
 - If the supply capacity, pumping capacity, storage capacity or line size must be upgraded, a cost estimate for the needed improvements will be prepared. The customer must pay the estimated total cost of improvements before construction begins.
 - The proper sized meter will be determined by the engineer, and the benefit unit and monthly minimum fees will be priced according to the following table, with fees being adjusted to the current benefit unit prices and minimum fees in effect at the time of installation:

Meter			Benefit unit		Monthly
<u>Size</u>	<u>gpm</u>	<u>multiplier</u>	<u>price</u>	<u>(based on flow)</u>	<u>Minimum</u>
5/8"	20	---	\$	6,000	\$ 24.50
3/4"	30	1.5	\$	9,000	\$ 36.75
1"	50	2.5	\$	15,000	\$ 61.25
2" Compound	160	8	\$	48,000	\$ 196.00

3. The following general guidelines will be followed to insure that the meters installed meet or exceed AWWA guidelines for measurement accuracy on low flows:
 - For ¾-inch and 1-inch meters, a meter such as the Schlumberger Neptune T-10 meter will be used, insuring that low flow rates at 95% accuracy exceed AWWA standards. Normal flow rate accuracy should be measured within +/- 1.5% on any meter installed.
 - When a 2-inch meter is to be installed, a compound meter will be installed to accurately measure low-flows.
4. All installed, non-standard meters in the District as of the date of policy implementation will be exempt from the additional charges in the table above.
5. Meters requested in excess of 2-inches will be dealt with on a case-by-case basis.
6. The Board of Directors reserves the right to deviate from the general guidelines established in this policy if the facts of an individual case warrant it or if following this policy would cause a financial hardship for the District.

Policy effective November 12, 2002. Updated for new minimum rates as of November 1, 2004.
Updated 10-25-07