

**RULE 8
METER TESTING**

METER TEST PROCEDURES

The maximum permissible error in the registration of meters placed in service is 2.0%. Meters shall be adjusted to register as nearly correct as practicable within the 2.0% error allowance prior to being placed in service.

Except for meters which are in the Company's statistical sampling program, the test interval for meters will be every ten years. The Company may elect to keep diaphragm type meters with rated capacity of up to 3,000 cfh in service for intervals beyond ten years, provided the meter performance meets the criteria of the Company's statistical sample program as approved by the Commission.

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All non-contaminated, testable meters will be tested in accordance with ANSI B109.1, and B109.2, using an average of the open and check in-test results to evaluate each meter's performance. Meter testing shall be performed using a company owned meter prover that is maintained in proper adjustment and so calibrated that the error of indication shall not exceed one-half (½) percent.

METER SAMPLE PROGRAM

Each meter in the Statistical Sample Program will be assigned to a meter group or "family" according to its manufacturer, meter class, and set year. At the option of the company, meters in any family may be further subdivided according to meter type, size, location, age, or other factors that may be disclosed by test data to influence the performance of the meters. Subsequently, meter families may be modified or combined as justified by the performance records.

The performance evaluation of each meter family will be based on an evaluation of test results from random sampling of the family. The random sample for each family will include meters which are removed from service on a routine basis, e.g. meters not in use, too large, too small, damaged index cover, service relocation or replacement, etc. If more meters are required for testing than have been removed from service for routine purposes, a random sample of meters within that family will be removed from service and included in the sample.

For purposes of evaluating the performance of each meter family, the analysis of the test results will exclude data on meters which are damaged, meters which do not register, meters which do not pass gas, and meters which measure either less than 90.0 percent accurate or more than 110.0 percent accurate.

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**RULE 8
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Meters with capacities up to 3000 cfh that have been in service ten (10) or more years as established by last set date shall be tested within a prescribed sample size. Sample size and family disposition will be determined in accordance with ANSI/ASQ Z1.4, ANSI/ASQ Z1.9, or other generally accepted industry standard.

Corrective action shall consist of either a selective removal program to raise the accuracy performance of the group to acceptable standards or the removal of the entire group from service. The rate of removal will be such that the required corrective action is completed as soon as practicable but not to exceed a period of two years after the year testing was performed. However, with Commission approval, the period for removal may be extended an additional two years in any year which the total number of meters required for removal exceeds four percent of the number of meters in the Statistical Sample Program.

If meters tested in the fourth quarter of the plan year cause a family to require additional samples that leave insufficient time to obtain the additional number of meters required to complete the sample, the company may elect to aggressive sampling in the following plan year so that a follow up determination is made within the first six months of the new plan year.

The program year shall begin on January 1 and end on December 31 of the same year. Sample data collected during a given program year will be analyzed, and a decision regarding meter family disposition will be made in the first quarter of the following calendar year.

Any customer may request the Company to test his/her meter. Company shall make such test at its central meter shop within twenty (20) days of receipt of request and no payment or deposit will be required for such test.

Should customer request a meter test more often than once in every twelve (12) month period, a Deposit for Meter Test as established in Schedule 200 to cover the reasonable cost of the test may be required of the customer. The amount so deposited will be returned to the customer if the meter is found, upon test, to register more than two (2) percent fast.

All meters will be tested in Company's central meter shop located in Yakima, Washington. A customer shall have the right to require Company to conduct the test in his/her presence at Yakima, or if he/she so desires, in the presence of a representative appointed by him/her.

A report giving customer's name, date of request, address of service location, the type, make, size and meter number, the date tested, and result of test will be supplied to the customer within a reasonable time after completion of test.

(M) Refers to language on Sheet No. 8.2 that was previously on Sheet No. 8.1.

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METER TESTING EQUIPMENT

The Company uses a combination of the following equipment for testing new, rebuilt, and in-service meters:

- a. Sonic nozzle provers for proving meter sizes up to 1,000 cfh.
- b. Transfer provers for proving meter from sizes from 800 cfh through 220,000 cfh.
- c. Manometers or differential pressure recording device for differential pressure testing meters sizes from 800 cubic feet per hour through 102,000 cfh.

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