



General Description

This Schedule establishes Arizona Public Service Company's (APS) meter maintenance and testing program for electric meters. APS will file an annual report with the Arizona Corporation Commission (ACC) summarizing the results of its meter maintenance and testing program.

1. Plan

1.1 Single-Phase and Three-Phase Self-Contained Meters - Solid State

APS will monitor performance of these types of meters through the Company's Metering and Billing systems.

1.2 Single-Phase Self-Contained Meters - Non-Solid State, Electro-Mechanical and Hybrid

- (A) Based on ANSI C12.1 – 2008, meters will be grouped by common physical attributes and the average performance of each group will be determined based on the weighted average of the meter's percentage registration at light load (LL) and at full load (FL) giving the full load registration a weight factor of four.
- (B) Analysis of the test results for each group evaluated will be done in accordance with the statistical formulas outlined in ANSI/ASQC Z1.9 – 2008 Formulas B-3, Tables A-1, A-2 and B-5. When possible, the minimum sample size will be 100 meters.

1.3 Three-Phase Self-Contained Meters - Non-Solid State, Electro-Mechanical and Hybrid

APS will monitor installations of the following types of meters for accuracy and recalibrate as necessary according to the following schedule:

- (A) Three-phase meters with surge-proof magnets and without demand registers or pulse initiators: 16 years.
- (B) Three-phase block-interval demand-register-equipped kWh meters with surge-proof magnets: 12 years.
- (C) Three-phase lagged-demand meters: 8 years.

1.4 Transformer-Rated Meter Installations

APS will conduct inspections and accuracy testing for transformer-rated meter installations and the associated equipment according to the following schedule:

- (A) Installations with less than 500 kW: APS will monitor performance of these types of meters through the Company's Metering and Billing systems.
- (B) Installations with 500 to 1,000 kW loads: 4 years
- (C) Installations with 1001 kW to 2000 kW loads: 2 years
- (D) Installations over 2000 kW loads: 1 year