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REPORT NAME: 2014 Annual Meter Test and Certification Report

COMPANY NAME: Idaho Power Company

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May 29, 2015

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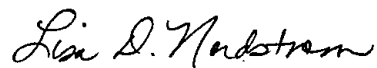
Re: 2014 Annual Meter Test and Certification Report

Attention Filing Center:

Enclosed for filing is Idaho Power Company's 2014 Meter Test and Certification Report required by the Public Utility Commission of Oregon's Electric Utility Metering Policy.

If you have any questions about this report, please contact Connie Aschenbrenner at (208) 388-5994 or caschenbrenner@idahopower.com.

Very truly yours,



Lisa D. Nordstrom

LDN/kkt

Enclosure

IDAHO POWER COMPANY

2014 ANNUAL METER TEST AND CERTIFICATION REPORT

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Overview Statement

Prior to beginning Idaho Power Company's ("Idaho Power" or "Company") deployment of Automated Metering Infrastructure ("AMI") in its Oregon service area, Idaho Power communicated to the Public Utility Commission of Oregon ("Commission") Staff that the Company would suspend all meter maintenance until the deployment of AMI was complete. Because the majority of meters typically requiring maintenance would be replaced with new solid state AMI meters ("AMI meters") during the Company's project, the Company and Commission Staff agreed ongoing planned maintenance was not required. The AMI meter change out was completed in 2010, and approximately 18,000 meters in Oregon were upgraded to AMI meters. In 2011 and 2012, the approximately 2,000 remaining non-AMI meters in Oregon that were not solid state were changed out with solid state non-AMI meters.

Idaho Power's AMI meters record, display, read, and reset peak demand. In alignment with ANSI C12.1 2008, the meters would be subject to a periodic in-service test plan. The remaining solid state non-AMI meters qualify for random sampling or period maintenance programs. In alignment with ANSI standards, the Company made the decision to divide all of the meters in its Oregon service territory into periodic meter groups ("PMG") by model and/or attribute.

The decision to place all of the Oregon meters into PMGs is in line with ANSI standards and industry practices, although ANSI C12.1 does not specifically address solid state meters or smart meters. Idaho Power recognizes that long-term grouping of all meters into PMGs is not practical or sustainable and that Idaho Power should develop and implement other in-service planned maintenance programs to be approved by the Commission. There are a number of meter maintenance programs currently being performed to validate meters in Oregon that are not required or addressed by ANSI or the Commission's Electric Metering Policy. A summary of meter validation programs being performed is provided in this report.

Management Review

The review of Idaho Power's metering policies, practices, and procedures, and the results of in-service meter maintenance and validations performed shows that the Company is in compliance with ANSI C12.1 2008 and the Commission's Electric Metering Policy.

All test equipment used to validate meter accuracy is traceable to the National Institute of Standards and Technology laboratory. Calibration standards are used to verify meter test equipment accuracy on a regularly scheduled interval of six months.

Significant Deficiencies

There were no significant meter defects found by Idaho Power through testing or inspection programs in 2014.

Metering Corrective Action Plans

No failed PMG meter lots were found by testing or inspection programs in 2014; therefore, no corrective action plans are necessary.

Listing of HMGs and PMGs

Below is the listing of Idaho Power Oregon meters by PMG. The list includes PMG model, technology, i.e., AMI, Non-AMI, and offsite meter reading OMR, along with a breakdown of last test year. Idaho Power does not have any meters in HMG groupings.

Model	Technology	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	Total
A1D	Non-AMI	4	3	1		1	3		3		5	4	49	54				129
A1D+	Non-AMI	6	10	17	7	1	16	16	4	1	4	6	59	58				205
A1R-AL	Non-AMI														1			1
A1RL+	Non-AMI		1							1		21	2	60	14	4	1	106
A1T-L	Non-AMI	1																1
A1TL+	Non-AMI									8	2							10
A3D	Non-AMI								5	10	1		11	4				31
A3R	Non-AMI															1		1
A3RAL	AMI															21		21
A3T	AMI												2					2
AB1R	OMR	2	3								22	52	2	5			8	94
ALF	AMI							21	1	3	78	14040	254	505	237	112	39	15290
AXR-SD	AMI															767		767
AXS4	Non-AMI				3	13	5	2	5	1	1		8					38
C1S	Non-AMI				13	6	4	20	23	12	8	70	73	15				244
C1SCT	Non-AMI				6		2			1		15						24
C1SD	Non-AMI				1	1	5	2	1	5	2	2						19
C1SR	Non-AMI								6	4	6	50	49	58	2			175
C1SX	Non-AMI								1	1		1						3
CN1SX	Non-AMI									5								5
ION-8600	AMI											4	1		2		1	8
ION-8650	AMI													1		2		3
J5SR	OMR		1								8	19						28
KV2C	AMI										9	1606	107	140	172	181	52	2267
M5S9	Non-AMI														1	3		4
Q4N-9	Non-AMI															1		1
		13	18	18	30	22	35	61	49	52	146	15890	617	900	429	1092	101	19477

Metering Audits for PMGs

1. Voltage readings on AMI three-phase meters are taken three times daily. Any missing voltage is investigated onsite.
2. Automated communication meters are verified in the field if reading errors are detected or communication fails for two consecutive days.

3. Transformer-rated irrigation meter monthly billing kilowatts (“kW”) are compared to the connected horse power (“Hp”) ($kW = (Hp \times .746) \times .866$) deviations and are validated at the site.
4. In 2014, Idaho Power completed a three-year program to 100 percent field validate all transformer-rated meter installations.
5. All primary distribution service level meter sites are validated in the field every six months and a random selection of meters are tested each year.
6. Transmission level metering is validated every six months and meters are tested annually.

Inspections and Tests for HMGs

Idaho Power does not have any meters in HMG groupings. All meters are in solid state AMI, solid state non-AMI, or OMR PMG groups.

Uniquely Defective Meters

Idaho Power did not identify any uniquely defective meters through testing, inspection programs, or audits in 2014.

Metering Hazards and Defects

Idaho Power did not identify any metering hazards or defects through testing, inspection programs, or audits in 2014.

2014 Inspections for HMGs and PMGs

Below are the test results for PMG grouping meters tested in 2014. Idaho Power does not have meters in HMGs:

1459462	A1D	MTF4	99.95	99.98	99.99	99.96
2200395	A1D	MTF4	99.95	99.96	99.96	99.95
2926104	A1D	MTF4	100.01	100.01	99.94	100.01
2925995	A1D	MTF4	99.99	100.02	99.98	100
1656990	A1D	MTF3	99.94	100	99.98	99.95
1517249	A1D	MTF3	100.06	100.04	100.09	100.06
1647095	A1D	MTF3	100.04	100.09	100.04	100.05
1979641	A1D	MTF3	99.97	99.89	99.98	99.95
1921959	A1D	MTF3	99.97	99.98	99.98	99.97
2481200	A1D	MTF3	99.93	99.98	99.93	99.94
2926042	A1D	MTF3	100.06	99.95	99.89	100.04
2942564	A1D	MTF3	100.04	100.08	100.05	100.05
1530311	A1D	MTF4	99.98	99.98	99.99	99.98
2303799	A1D	MTF4	99.98	100.02	99.98	99.99
1530289	A1D	MTF4	99.96	99.94	99.96	99.96
16014645	J5SR	MTF4	100.47	100.55	100.89	100.49
16014637	J5SR	MTF4	100.32	100.3	100.38	100.32
16014685	J5SR	MTF4	100.37	100.59	100.29	100.41
2926043	A1D	MTF5	100.01	100.03	100	100.01
2926114	A1D	MTF5	100	99.99	100.05	100
2926113	A1D	MTF5	99.97	99.98	99.99	99.97
2159498	A1D	MTF5	99.99	99.98	100.01	99.99
2926110	A1D	MTF5	99.97	99.99	100.01	99.97
2159491	A1D	MTF5	100.01	100.02	100.01	100.01
2925727	A1D	MTF5	99.98	100.03	100	99.99
2031009	A1D	MTF5	100	100.02	100.04	100
2925866	A1D	MTF5	100.01	100	100	100.01
2428286	A1D	MTF5	99.93	99.94	99.94	99.93
2942561	A1D	MTF5	100	99.97	100.01	99.99
2455332	A1D	MTF5	99.99	99.99	99.99	99.99
2926096	A1D	MTF5	99.99	99.98	99.99	99.99
2358538	A1D	MTF5	99.96	99.97	99.98	99.96
1884025	A1D	MTF5	99.94	99.97	100.01	99.95
2925873	A1D	MTF5	100.09	100.08	100.14	100.09
2926101	A1D	MTF5	99.92	99.96	99.93	99.93

Metering Standard Practice Changes

There were no changes in 2014. Standard metering practices are in alignment with the Commission's Electric Utility Metering Policy. The deployment of all solid-state metering post-AMI deployment in 2012 has resulted in all meters being in PMGs and being tested on a 16-year cycle.

Multi-State Metering Programs

Idaho Power meters in all states are audited as listed in "Metering Audits of PMGs". There are no multi-state HMG groupings of meters.

Qualified Meter Technicians

Idaho Power has assigned two meter technicians to the operational area covering its Oregon service territory.

Policy Changes Requiring Commission Approval

Under the current ANSI standards and the Commission's Electric Metering Policy, Idaho Power believes all of its Oregon meters are correctly identified in PMGs. However, ANSI C12.1 and the Commission's Electric Metering Policy do not adequately address the in-service maintenance requirements for solid-stated meters with automated communication capabilities. That could result in significant, unnecessary, and costly meter maintenance programs in 2026 because the AMI meters are currently on a 16-year periodic test cycle. Longer periodic test cycles or alternative inspection programs should be explored prior to 2026 to avoid unnecessary maintenance expenses.