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COMPANY NAME:

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LISA D. NORDSTROM
Lead Counsel
lnordstrom@idahopower.com

May 26, 2021

VIA ELECTRONIC FILING

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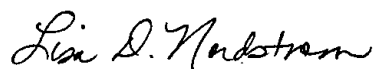
Re: OPUC Docket No. RE 158
2020 Annual Meter Test and Certification Report

Attention Filing Center:

Enclosed for electronic filing is Idaho Power Company's 2020 Meter Test and Certification Report required by the Public Utility Commission of Oregon's Electric Utility Metering Policy adopted on July 20, 2000 and OAR 860-023-0015.

If you have any questions about this report, please contact Regulatory Analyst Zack Thompson at (208) 388-2982 or zthompson@idahopower.com.

Very truly yours,



Lisa D. Nordstrom

LDN/sh
Enclosure

2020 ANNUAL METER TEST AND CERTIFICATION REPORT

Idaho Power Company

Overview Statement

Idaho Power Company's advanced metering infrastructure ("AMI") meters record, display, read, and reset peak demand. In alignment with ANSI C12.1 2008, the meters are 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 the meters in its Oregon service area into periodic meter groups ("PMG") by model and/or attribute.

Idaho Power recognizes that long-term grouping of all meters into PMGs is not sustainable and on February 2, 2021, filed its updated Meter Test and Inspection Policy ("Policy") under UM 2154 to be approved by the Public Utility Commission of Oregon ("Commission"). The new Policy outlines updated testing programs and methodologies in accordance with ANSI standards, industry best practices, and the Commission's Electric Metering Policy. This 2020 Annual Meter Test and Certification Report has been completed based on the Policy that is currently in place, and a summary of meter validation programs being performed is provided in this report. Idaho Power anticipates the 2021 Annual Meter Test and Certification Report will be filed in accordance with the Policy ultimately approved by the Commission in UM 2154.

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 2020.

Metering Corrective Action Plans

No failed PMG meter lots were found by testing or inspection programs in 2020; therefore, no corrective action plans are necessary.

2020 ANNUAL METER TEST AND CERTIFICATION REPORT Idaho Power Company

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 the last test year. Idaho Power does not have any meters in homogeneous meter groups (“HMG”) groupings.

Model	Tech	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	Total
A1D	Non-AMI			1		1		5	7			3							17
A1D+	Non-AMI		1					7	6										14
A1RL+	Non-AMI										1			1		1			3
A1RL+	AMI				1		6	2	30	4	2	3	1	2		1	1		53
A1TL+	Non-AMI	2	4	3		6		3	1		1		5	14	3		3		45
A3RAL	Non-AMI										2						1		3
A3RAL	AMI										11						7	1	19
AB1R	OMR					3	31												34
ALF	Non-AMI		1				1	1	5			2	3	6	1	5	21	109	155
ALF	AMI				3	67	12955	203	172	219	116	189	215	174	95	51	69	8	14536
AXR-SD	AMI										751	2	128	23	5	4			913
AXS4	AMI		2	5	1	1													9
C1S	Non-AMI			2			5	5											12
C1SD	Non-AMI		1	1															2
C1SR	OMR			2	4	1	9	2	4			1	2						25
C1SX	AMI			1															1
CN1SX	AMI				5														5
ION	AMI						3		1	2			5	2	1	45	30	7	96
J5SR	OMR					2	26												28
KV2C	AMI					4	870	57	77	100	113	255	199	246	227	244	362	20	2774
KV2C	Non-AMI						8	7	2	4	4	14			2	44	72	2	159
I210+	AMI														99	234	673	16	1022
I210+	Non-AMI														1	16	153	30	200
I210+RD	AMI														9	35	33		77
Total		2	9	15	14	85	13914	292	305	329	1001	469	558	468	443	680	1425	193	20202

2020 ANNUAL METER TEST AND CERTIFICATION REPORT

Idaho Power Company

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. All primary distribution service level meter sites are validated in the field every six months and a random selection of meters are tested annually.
5. 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 2020.

Metering Hazards and Defects

Idaho Power did not identify any metering hazards or defects through testing, inspection programs, or audits in 2020.

2020 Inspections for HMGs and PMGs

Idaho Power did not identify any PMGs that were due for testing in 2020. Idaho Power does not have meters in HMGs.

Metering Standard Practice Changes

There were no changes in 2020. 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.

2020 ANNUAL METER TEST AND CERTIFICATION REPORT Idaho Power Company

Qualified Meter Technicians

Idaho Power has two meter technicians assigned to cover its Oregon service area.

Policy Changes Requiring Commission Approval

Idaho Power is actively working to revise its Electric Metering Practices and Policy plan in accordance with ANSI C12.1 2014 and ANSI Z1.9. On February 2, 2021, Idaho Power submitted its updated policy for Commission approval in Docket No. UM 2154, and the Company will complete the 2021 Annual Meter Test and Certification Report with the policy guidelines ultimately approved by the Commission.