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Wisconsin Public Service Corporation
700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001
www.wisconsinpublicservice.com

March 29, 2017

RECEIVED
APR - 3 2017
EXECUTIVE SECRETARY

Ms. Kavita Kale
Executive Secretary
Michigan Public Service Commission
P.O. Box 30221
Lansing, MI 48917

RE: Meter Test Summaries (R460.3617(2)) - U-10545

Enclosed are copies of the meter test summaries for Wisconsin Public Service meters in Michigan for the year ended December 31, 2016. The summary sheets have been prepared in accordance with the Michigan Rules (R460.3617 (2)).

In addition, 2016 in-service statistical sample test plan results as submitted to the Public Service Commission of Wisconsin have been included for submittal to the Michigan Public Service Commission. Both Wisconsin and Michigan meters have been tested under the Wisconsin statistical sample testing plan in accordance with MPSC Case No. U-10545.

If you have any questions, please contact Mr. Thomas Held at 414-221-3688.

Sincerely,

Theodore T. Eidukas
Vice President
State Regulatory Affairs

Attachments

WISCONSIN PUBLIC SERVICE CORPORATION

MENOMINEE, MICHIGAN

EXIBIT C

Test Class: Three-Phase Tests | METER ACCURACY RECORD REPORT FOR MICHIGAN PUBLIC SERVICE COMMISSION | Twelve Months Ending December 2016

TYPE	NUMBER TESTED	CREEPING	NOT RECORDING	REGISTRATION IN PERCENT																							
				HEAVY LOAD 100% POWER FACTOR												LIGHT LOAD 100% POWER FACTOR											
				94.00 AND UNDER	94.01 TO 96.0	96.01 TO 97.0	97.01 TO 98.0	98.01 TO 99.0	99.01 TO 100.0	100.01 TO 101.0	101.01 TO 102.0	102.01 TO 103.0	103.01 TO 104.0	104.01 TO 106.0	OVER 106.0	94.00 AND UNDER	94.01 TO 96.0	96.01 TO 97.0	97.01 TO 98.0	98.01 TO 99.0	99.01 TO 100.0	100.01 TO 101.0	101.01 TO 102.0	102.01 TO 103.0	103.01 TO 104.0	104.01 TO 106.0	OVER 106.0
AXRS4E	14	0	0	0	0	0	0	0	13	1	0	0	0	0	0	0	0	0	0	0	10	4	0	0	0	0	0
AXS4	32	0	0	0	0	0	0	0	13	19	0	0	0	0	0	0	0	0	0	1	25	6	0	0	0	0	0
AXS4E	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
MAXSYS2510	3	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0
QUAD4+	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
RXRS4E	6	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	2	4	0	0	0	0	0
TOTALS	**57**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**32**	**25**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**39**	**17**	**0**	**0**	**0**	**0**	**0**

TYPE	METER TESTED	CREEPING	NOT CREEPING	HEAVY LOAD 50% POWER FACTOR											
				94.00 AND UNDER	94.01 TO 96.0	96.01 TO 97.0	97.01 TO 98.0	98.01 TO 99.0	99.01 TO 100.0	100.01 TO 101.0	101.01 TO 102.0	102.01 TO 103.0	103.01 TO 104.0	104.01 TO 106.0	OVER 106.0
AXRS4E	14	0	0	0	0	0	0	0	12	2	0	0	0	0	0
AXS4	32	0	0	0	0	0	0	0	11	21	0	0	0	0	0
AXS4E	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
MAXSYS2510	3	0	0	0	0	0	0	0	1	2	0	0	0	0	0
QUAD4+	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0
RXRS4E	6	0	0	0	0	0	0	0	5	1	0	0	0	0	0
TOTALS	**57**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**31**	**26**	**0**	**0**	**0**	**0**	**0**

WISCONSIN PUBLIC SERVICE CORPORATION

MENOMINEE, MICHIGAN

EXIBIT C

Test Class: Single-Phase Sample Tests | METER ACCURACY RECORD REPORT FOR MICHIGAN PUBLIC SERVICE COMMISSION | Twelve Months Ending December 2016

TYPE	NUMBER TESTED	CREEPING	NOT RECORDING	REGISTRATION IN PERCENT																							
				HEAVY LOAD 100% POWER FACTOR												LIGHT LOAD 100% POWER FACTOR											
				94.00 AND UNDER	94.01 TO 96.0	96.01 TO 97.0	97.01 TO 98.0	98.01 TO 99.0	99.01 TO 100.0	100.01 TO 101.0	101.01 TO 102.0	102.01 TO 103.0	103.01 TO 104.0	104.01 TO 106.0	OVER 106.0	94.00 AND UNDER	94.01 TO 96.0	96.01 TO 97.0	97.01 TO 98.0	98.01 TO 99.0	99.01 TO 100.0	100.01 TO 101.0	101.01 TO 102.0	102.01 TO 103.0	103.01 TO 104.0	104.01 TO 106.0	OVER 106.0
AB1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
D4S	14	0	0	0	0	0	0	0	6	8	0	0	0	0	0	0	0	0	0	0	2	12	0	0	0	0	0
D5S	3	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0
I70ES	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0
I70S	5	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0	0	0
Totals	**26**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**12**	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**9**	**16**	**0**	**0**	**0**	**0**	**0**

Wisconsin Public Service Corporation
700 North Adams Street
P.O. Box 19001
Green Bay, WI 54307-9001
www.wisconsinpublicservice.com

March 29, 2017

Ms. Sandra J. Paske
Secretary to the Commission
Public Service Commission of Wisconsin
P.O. Box 7854
Madison, Wisconsin 53707-7854

Dear Ms. Paske:

Re: meter testing reports PSC 113.0919(3) and 113.0921 – 5-GF-113

Enclosed for filing are the following reports required in WI Admin. Code PSC 113.0919(3) metering equipment records and PSC 113.0921 sample testing.

SSTP PSCW Summary Rpts 2016 is the meter test results for the 2016 in-service sample testing plan for electronic (solid state) meters, electro-mechanical self-contained single phase meters and 3-wire network meters.

WPS 2016 Rejected Lot WHD5S 86 and WPS 2016 Rejected Lot WHD5S 87 are the 2016 rejected lot forms, submitted for all failed meter groups that did not pass the in-service plan in any two test years.

SSTP PSCW Summary Rpts 2017 is the list of lot designations for Wisconsin electronic (solid state) meters, and electro-mechanical self-contained single phase and 3-wire network meters to be tested in 2017 in accordance with the in-service statistical sample testing plan.

The lot descriptions are included in the SSTP Summary Report documents.

If you have any questions, please contact Debbie Tschudy at 608-283-3007.

Sincerely,

Theodore L. Eidukas
Vice President
State Regulatory Affairs

Attachments

Report ID: XRPDV0026B

CIS
SSTP REPORTING FORM PSC 113.0919(3)
ELECTRIC METER SSTP PSC 113.0921
Year: 2016
Company Name: WISCONSIN PUBLIC SERVICE

Print Date: 3/21/2017 6:36:05 AM

Wisconsin Public Service

Sample Testing Data

Group	Total Meter Lot	Meters Sample Tested	Full Load Testing Sample							Light Load Testing Sample						
Mfg-Type-Lot			X	S	P	M	Delta X	Delta S	Delta P	X	S	P	M	Delta X	Delta S	Delta P
WPS_SAJ5L1_____	15,595	75	99.777	0.314	0.000	2.29%	-0.144	-0.058	0.000	99.890	0.455	0.000	7.15%	0.126	0.034	0.000
WPS_SAJXL2_____	12,101	75	99.925	0.324	0.000	2.29%	0.003	-0.072	0.000	99.995	0.759	0.711	7.15%	0.143	0.282	0.709
WPS_SAXXL2_____	9,896	75	100.038	0.109	0.000	2.29%	-0.049	-0.203	0.000	100.024	0.119	0.000	7.15%	0.007	-0.073	0.000
WPS_SNXXL1_____	473	25	99.998	0.117	0.000	2.86%	0.003	0.029	0.000	100.026	0.139	0.000	8.63%	0.030	0.039	0.000
Total	38,065	250														

Note: (1) XX = Mixed Type Lot.
(2) Delta X, Delta S, & Delta P = Current Year Minus Previous Year.
Example: Delta X = X of 2005 - X of 2004.
(3) * Designates Lot Failed Once.
(4) ** Designates Lot Failed Twice.
(5) First Failed, Separated Lot. *SA-J3-L2-1
*SA-J3-L2-2

Report ID: XRPDV0026B

CIS
SSTP REPORTING FORM PSC 113.0919(3)
ELECTRIC METER SSTP PSC 113.0921
Year: 2016
Company Name: WISCONSIN PUBLIC SERVICE

Print Date: 3/21/2017 6:36:05 AM

Wisconsin Public Service

Sample Testing Data

Group	Total Meter Lot	Meters Sample Tested	Full Load Testing Sample							Light Load Testing Sample						
Mfg-Type-Lot			X	S	P	M	Delta X	Delta S	Delta P	X	S	P	M	Delta X	Delta S	Delta P
WPS_ABXXL1_____	16,816	75	100.026	0.328	0.000	2.29%	-0.064	0.062	0.000	99.738	0.913	3.337	7.15%	-0.029	0.143	2.188
WPS_WED4L1_____	14,155	75	100.124	0.291	0.000	2.29%	0.088	0.043	0.000	100.244	0.633	0.238	7.15%	0.318	0.209	0.238
WPS_WED4L2_____	15,810	75	100.024	0.279	0.000	2.29%	0.001	0.033	0.000	100.255	0.672	0.422	7.15%	0.155	0.205	0.422
WPS_WHD5S 88**_	1,330	40	100.104	0.250	0.000	2.71%	0.038	-0.014	0.000	99.763	1.153	8.530	8.09%	0.125	0.201	3.955
Total	48,111	265														

Note: (1) XX = Mixed Type Lot.
(2) Delta X, Delta S, & Delta P = Current Year Minus Previous Year.
Example: Delta X = X of 2005 - X of 2004.
(3) * Designates Lot Failed Once.
(4) ** Designates Lot Failed Twice.
(5) First Failed, Separated Lot. *SA-J3-L2-1
*SA-J3-L2-2

Report ID: XRPDV0026B

CIS
SSTP REPORTING FORM PSC 113.0919(3)
ELECTRIC METER SSTP PSC 113.0921

Year: 2016

Company Name: WISCONSIN PUBLIC SERVICE

Print Date: 3/21/2017 6:36:05 AM

Wisconsin Public Service

			Sample Testing Data														
Group	Total	Meters	Full Load Testing Sample							Light Load Testing Sample							
Mfg-Type-Lot	Meter Lot	Sample Tested	X	S	P	M	Delta X	Delta S	Delta P	X	S	P	M	Delta X	Delta S	Delta P	
WPS_GEI70L1____	7,922	50	100.107	0.216	0.000	2.49%	-0.003	-0.011	0.000	100.188	0.527	0.012	7.61%	0.243	0.069	0.012	
WPS_GEI70L2____	12,771	75	100.062	0.200	0.000	2.29%	0.007	0.008	0.000	100.149	0.404	0.000	7.15%	0.267	-0.056	0.000	
WPS_GEI70L3____	14,155	75	100.164	0.210	0.000	2.29%	0.054	0.016	0.000	100.197	0.495	0.007	7.15%	0.288	0.023	0.007	
WPS_GEI70L4____	15,495	75	100.199	0.157	0.000	0.02%	0.099	-0.036	0.000	100.435	0.446	0.013	0.07%	0.580	-0.252	-0.392	
WPS_GEXXL1____	337	25	99.803	0.363	0.000	2.86%	-0.295	0.174	0.000	100.014	0.541	0.000	8.63%	0.208	0.243	0.000	
Total	50,680	300															

Note: (1) XX = Mixed Type Lot.

(2) Delta X, Delta S, & Delta P = Current Year Minus Previous Year.
Example: Delta X = X of 2005 - X of 2004.

(3) * Designates Lot Failed Once.

(4) ** Designates Lot Failed Twice.

(5) First Failed, Separated Lot. *SA-J3-L2-1
*SA-J3-L2-2

Report ID: XRPDV0026B

CIS
SSTP REPORTING FORM PSC 113.0919(3)
ELECTRIC METER SSTP PSC 113.0921
Year: 2016
Company Name: WISCONSIN PUBLIC SERVICE
Print Date: 3/21/2017 6:36:05 AM

Wisconsin Public Service

			Sample Testing Data														
Group	Total Meter Lot	Meters Sample Tested	Full Load Testing Sample							Light Load Testing Sample							
Mfg-Type-Lot			X	S	P	M	Delta X	Delta S	Delta P	X	S	P	M	Delta X	Delta S	Delta P	
WPS_LGALFL1____	19,665	75	99.945	0.140	0.000	2.29%	-0.014	0.072	0.000	99.993	0.161	0.000	7.15%	0.019	0.092	0.000	
WPS_LGALFL2____	4,505	50	99.975	0.094	0.000	2.49%	0.009	0.027	0.000	100.025	0.094	0.000	7.61%	0.035	0.030	0.000	
WPS_LGALFN 10___	10,398	75	99.967	0.097	0.000	2.29%	-0.019	0.007	0.000	100.033	0.080	0.000	7.15%	0.018	-0.003	0.000	
WPS_LGALFN 11___	9,941	75	99.963	0.132	0.000	2.29%	0.004	0.081	0.000	100.003	0.071	0.000	7.15%	0.013	0.025	0.000	
WPS_LGALFN 12___	8,497	75	100.031	0.073	0.000	2.29%	0.042	-0.012	0.000	100.082	0.067	0.000	7.15%	0.055	-0.011	0.000	
WPS_LGALFN 13___	9,719	75	100.012	0.097	0.000	2.29%	0.031	0.038	0.000	100.074	0.083	0.000	7.15%	0.065	0.043	0.000	
WPS_LGALFN 15___	7,379	50	100.006	0.099	0.000	2.49%	-0.024	0.056	0.000	100.024	0.101	0.000	7.61%	-0.059	0.060	0.000	
WPS_LGAXS4EL1___	965	35	99.941	0.059	0.000	2.68%	-0.010	0.022	0.000	99.979	0.057	0.000	8.10%	0.016	0.020	0.000	
WPS_LGMKL1_____	622	30	99.815	0.272	0.000	2.83%	-0.240	0.013	0.000	100.092	0.385	0.000	8.47%	-0.155	-0.165	-0.021	
WPS_LGMSL1_____	10,151	75	100.027	0.389	0.000	2.29%	-0.031	0.029	0.000	100.152	0.545	0.021	7.15%	0.316	0.033	0.012	
WPS_LGMSL2_____	15,128	75	100.003	0.289	0.000	2.29%	0.044	0.040	0.000	100.079	0.425	0.000	7.15%	0.341	-0.133	-0.064	
WPS_LGMSL3_____	16,441	75	100.063	0.251	0.000	2.29%	0.000	0.037	0.000	100.167	0.392	0.000	7.15%	0.286	-0.049	0.000	
WPS_LGMSL4_____	6,444	50	100.102	0.188	0.000	2.49%	-0.059	0.032	0.000	100.153	0.443	0.000	7.61%	0.407	0.120	0.000	
WPS_LGMX1 04A___	7,761	50	99.703	0.268	0.000	2.49%	-0.028	-0.008	0.000	100.044	0.433	0.000	7.61%	0.202	0.032	0.000	
WPS_LGMX1 04B___	7,233	50	99.803	0.237	0.000	2.49%	-0.074	0.022	0.000	100.147	0.416	0.000	7.61%	0.202	0.026	0.000	
WPS_LGMX1 04C___	7,214	50	99.796	0.266	0.000	2.49%	0.008	0.087	0.000	100.082	0.374	0.000	7.61%	0.110	0.093	0.000	
WPS_LGMX1 04D___	7,263	50	99.696	0.221	0.000	2.49%	-0.167	0.004	0.000	100.037	0.479	0.000	7.61%	0.006	0.034	0.000	
WPS_LGMX1 04E___	7,092	50	99.886	0.264	0.000	2.49%	0.025	0.024	0.000	100.132	0.427	0.000	7.61%	0.032	0.064	0.000	
WPS_LGMX1 04F___	7,719	50	99.633	0.265	0.000	2.49%	-0.049	-0.026	0.000	99.853	0.446	0.000	7.61%	0.136	-0.063	-0.017	
WPS_LGMX1 04G___	7,564	50	99.619	0.328	0.000	2.49%	-0.106	-0.068	0.000	99.846	0.541	0.014	7.61%	0.139	-0.147	-0.542	
WPS_LGMX1 04H___	11,013	75	99.754	0.271	0.000	2.29%	-0.011	0.019	0.000	100.114	0.446	0.000	7.15%	0.385	0.005	0.000	
WPS_LGMXL1_____	19,897	75	99.727	0.239	0.000	2.29%	-0.041	-0.015	0.000	100.191	0.398	0.000	7.15%	0.155	-0.174	-0.028	
WPS_LGXXL2_____	27,494	100	99.649	0.254	0.000	2.20%	-0.182	0.034	0.000	100.104	0.382	0.000	6.91%	-0.012	-0.022	0.000	
WPS_LGXXL3_____	25,844	100	99.762	0.227	0.000	2.20%	-0.060	0.006	0.000	99.946	0.405	0.000	6.91%	0.085	-0.057	0.000	
WPS_LGXXL4_____	8,041	75	99.808	0.227	0.000	2.29%	0.013	-0.003	0.000	100.114	0.373	0.000	7.15%	0.126	-0.023	0.000	
WPS_LGXXL5_____	16,687	75	99.763	0.335	0.000	2.29%	-0.077	0.121	0.000	99.878	0.593	0.064	7.15%	-0.029	0.251	0.064	
WPS_SIXXALT1___	9,964	75	99.957	0.115	0.000	2.29%	-0.020	0.036	0.000	100.022	0.132	0.000	7.15%	-0.013	0.016	0.000	
Total	290,641	1,740															

Note: (1) XX = Mixed Type Lot.
(2) Delta X, Delta S, & Delta P = Current Year Minus Previous Year.
Example: Delta X = X of 2005 - X of 2004.
(3) * Designates Lot Failed Once.
(4) ** Designates Lot Failed Twice.
(5) First Failed, Separated Lot. *SA-J3-L2-1
*SA-J3-L2-2

Report ID: XRPDV0026B

CIS
SSTP REPORTING FORM PSC 113.0919(3)
ELECTRIC METER SSTP PSC 113.0921

Year: 2016

Company Name: WISCONSIN PUBLIC SERVICE

Wisconsin Public Service

Print Date: 3/21/2017 6:36:05 AM

Group				
Mfg-Type-Lot	**Manufacturer**	**Type**	**Type**	**Type**
WPS_ABXXL1_____	ABB	AB1	AB1R	D5S
WPS_WED4L1_____	Westinghouse	D4S		
WPS_WED4L2_____	Westinghouse	D4S		
WPS_WHD5S 88____	Westinghouse	D5S		
WPS_GEI70L1_____	General Electric	I70S		
WPS_GEI70L2_____	General Electric	I70S		
WPS_GEI70L3_____	General Electric	I70S		
WPS_GEI70L4_____	General Electric	I70S		
WPS_GEXXL1_____	General Electric	I70ES	I70S	
WPS_LGALFL1_____	Landis Gyr	ALF	ALF-UMT	
WPS_LGALFL2_____	Landis Gyr	ALF	ALF-N	ALF-UMT
WPS_LGALFN 10___	Landis Gyr	ALF-N		
WPS_LGALFN 11___	Landis Gyr	ALF-N		
WPS_LGALFN 12___	Landis Gyr	ALF-N		
WPS_LGALFN 13___	Landis Gyr	ALF-N		
WPS_LGALFN 15___	Landis Gyr	ALF-N		
WPS_LGAXS4EL1___	Landis Gyr	AXS4	AXS4E	
WPS_LGMKL1_____	Landis Gyr	MSK		
WPS_LGMSL1_____	Landis Gyr	MS		
WPS_LGMSL2_____	Landis Gyr	MS		
WPS_LGMSL3_____	Landis Gyr	MS		
WPS_LGMSL4_____	Landis Gyr	MS		
WPS_LGMX1 04A___	Landis Gyr	MX		
WPS_LGMX1 04B___	Landis Gyr	MX		
WPS_LGMX1 04C___	Landis Gyr	MX		
WPS_LGMX1 04D___	Landis Gyr	MX		
WPS_LGMX1 04E___	Landis Gyr	MX		

Report ID: XRPDV0026B

CIS
SSTP REPORTING FORM PSC 113.0919(3)
ELECTRIC METER SSTP PSC 113.0921

Year: 2016

Company Name: WISCONSIN PUBLIC SERVICE

Wisconsin Public Service

Print Date: 3/21/2017 6:36:05 AM

WPS_LGMX1 04F___	Landis Gyr	MX		
WPS_LGMX1 04G___	Landis Gyr	MX		
WPS_LGMX1 04H___	Landis Gyr	MX		
WPS_LGMXL1_____	Landis Gyr	MX		
WPS_LGXXL2_____	Landis Gyr	MX		
WPS_LGXXL3_____	Landis Gyr	MX		
WPS_LGXXL4_____	Landis Gyr	MX		
WPS_LGXXL5_____	Landis Gyr	MX		
WPS_SIXXALT1____	Landis Gyr	ALT-AL	ALT-AX-SW	
WPS_SAJ5L1_____	Sangamo	J5S		
WPS_SAJXL2_____	Sangamo	J4S		
WPS_SAXXL2_____	Sangamo	C1SX	CN1SX	
WPS_SNXXL1_____	Sensus	ICON		

Report ID: XRPDV0026B

CIS
SSTP REPORTING FORM PSC 113.0919(3)
ELECTRIC METER SSTP PSC 113.0921

Year: 2017

Company Name: WISCONSIN PUBLIC SERVICE

Print Date: 3/20/2017 8:18:24 AM



Wisconsin Public Service

			Sample Testing Data														
Group	Total	Meters	Full Load Testing Sample							Light Load Testing Sample							
Mfg-Type-Lot	Meter Lot	Sample Tested	X	S	P	M	Delta X	Delta S	Delta P	X	S	P	M	Delta X	Delta S	Delta P
WPS_SAJ5L1_____	15,595	75														
WPS_SAJXL2_____	12,101	75														
WPS_SAXXL2_____	9,896	75														
WPS_SNXXL1_____	473	25														
Total	38,065	250														

Note: (1) XX = Mixed Type Lot.
(2) Delta X, Delta S, & Delta P = Current Year Minus Previous Year.
Example: Delta X = X of 2005 - X of 2004.
(3) * Designates Lot Failed Once.
(4) ** Designates Lot Failed Twice.
(5) First Failed, Separated Lot. *SA-J3-L2-1
*SA-J3-L2-2

Report ID: XRPDV0026B

CIS
SSTP REPORTING FORM PSC 113.0919(3)
ELECTRIC METER SSTP PSC 113.0921
Year: 2017
Company Name: WISCONSIN PUBLIC SERVICE

Print Date: 3/20/2017 8:18:24 AM

Wisconsin Public Service

			Sample Testing Data														
Group	Total	Meters	Full Load Testing Sample							Light Load Testing Sample						
Mfg-Type-Lot	Meter Lot	Sample Tested	X	S	P	M	Delta X	Delta S	Delta P	X	S	P	M	Delta X	Delta S	Delta P
WPS_ABXXL1_____	16,816	75														
WPS_WED4L1_____	14,155	75														
WPS_WED4L2_____	15,810	75														
WPS_WHD5S 88____	1,330	40														
Total	48,111	265														

Note: (1) XX = Mixed Type Lot.
(2) Delta X, Delta S, & Delta P = Current Year Minus Previous Year.
Example: Delta X = X of 2005 - X of 2004.
(3) * Designates Lot Failed Once.
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(5) First Failed, Separated Lot. *SA-J3-L2-1
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			Sample Testing Data														
Group	Total	Meters	Full Load Testing Sample							Light Load Testing Sample							
Mfg-Type-Lot	Meter Lot	Sample Tested	X	S	P	M	Delta X	Delta S	Delta P	X	S	P	M	Delta X	Delta S	Delta P
WPS_GEI70L1_____	7,922	50														
WPS_GEI70L2_____	12,771	75														
WPS_GEI70L3_____	14,155	75														
WPS_GEI70L4_____	15,495	75														
WPS_GEXXL1_____	337	25														
Total	50,680	300														

Note: (1) XX = Mixed Type Lot.
(2) Delta X, Delta S, & Delta P = Current Year Minus Previous Year.
Example: Delta X = X of 2005 - X of 2004.
(3) * Designates Lot Failed Once.
(4) ** Designates Lot Failed Twice.
(5) First Failed, Separated Lot. *SA-J3-L2-1
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Wisconsin Public Service

			Sample Testing Data														
Group	Total Meter Lot	Meters Sample Tested	Full Load Testing Sample							Light Load Testing Sample							
Mfg-Type-Lot			X	S	P	M	Delta X	Delta S	Delta P	X	S	P	M	Delta X	Delta S	Delta P
WPS_LGALFL1	19,665	75														
WPS_LGALFL2	4,505	50														
WPS_LGALFN 10	10,398	75														
WPS_LGALFN 11	9,941	75														
WPS_LGALFN 12	8,497	75														
WPS_LGALFN 13	9,719	75														
WPS_LGALFN 15	7,379	50														
WPS_LGAXS4EL1	965	35														
WPS_LGMKL1	622	30														
WPS_LGMSL1	10,151	75														
WPS_LGMSL2	15,128	75														
WPS_LGMSL3	16,441	75														
WPS_LGMSL4	6,444	50														
WPS_LGMX1 04A	7,761	50														
WPS_LGMX1 04B	7,233	50														
WPS_LGMX1 04C	7,214	50														
WPS_LGMX1 04D	7,263	50														
WPS_LGMX1 04E	7,092	50														
WPS_LGMX1 04F	7,719	50														
WPS_LGMX1 04G	7,564	50														
WPS_LGMX1 04H	11,013	75														
WPS_LGMXL1	19,897	75														
WPS_LGXXL2	27,494	100														
WPS_LGXXL3	25,844	100														
WPS_LGXXL4	8,041	75														
WPS_LGXXL5	16,687	75														
WPS_SIXXALT1	9,964	75														
Total	**290,641**	**1,740**														

Note: (1) XX = Mixed Type Lot.
(2) Delta X, Delta S, & Delta P = Current Year Minus Previous Year.
Example: Delta X = X of 2005 - X of 2004.
(3) * Designates Lot Failed Once.
(4) ** Designates Lot Failed Twice.
(5) First Failed, Separated Lot. *SA-J3-L2-1
*SA-J3-L2-2

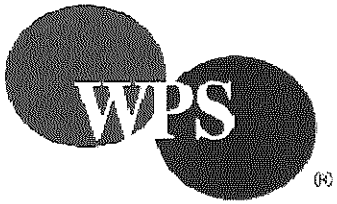
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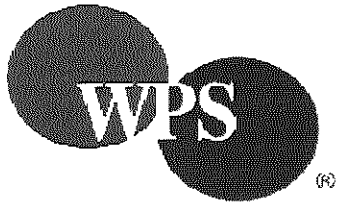
Wisconsin Public Service

Group				
Mfg-Type-Lot	**Manufacturer**	**Type**	**Type**	**Type**
WPS_ABXXL1_____	ABB	AB1	AB1R	D5S
WPS_WED4L1_____	Westinghouse	D4S		
WPS_WED4L2_____	Westinghouse	D4S		
WPS_WHD5S 88____	Westinghouse	D5S		
WPS_GEI70L1_____	General Electric	I70S		
WPS_GEI70L2_____	General Electric	I70S		
WPS_GEI70L3_____	General Electric	I70S		
WPS_GEI70L4_____	General Electric	I70S		
WPS_GEXXL1_____	General Electric	I70ES	I70S	
WPS_LGALFL1_____	Landis Gyr	ALF	ALF-UMT	
WPS_LGALFL2_____	Landis Gyr	ALF	ALF-N	ALF-UMT
WPS_LGALFN 10___	Landis Gyr	ALF-N		
WPS_LGALFN 11___	Landis Gyr	ALF-N		
WPS_LGALFN 12___	Landis Gyr	ALF-N		
WPS_LGALFN 13___	Landis Gyr	ALF-N		
WPS_LGALFN 15___	Landis Gyr	ALF-N		
WPS_LGAXS4EL1___	Landis Gyr	AXS4	AXS4E	
WPS_LGMKL1_____	Landis Gyr	MSK		
WPS_LGMSL1_____	Landis Gyr	MS		
WPS_LGMSL2_____	Landis Gyr	MS		
WPS_LGMSL3_____	Landis Gyr	MS		
WPS_LGMSL4_____	Landis Gyr	MS		
WPS_LGMX1 04A___	Landis Gyr	MX		
WPS_LGMX1 04B___	Landis Gyr	MX		
WPS_LGMX1 04C___	Landis Gyr	MX		
WPS_LGMX1 04D___	Landis Gyr	MX		
WPS_LGMX1 04E___	Landis Gyr	MX		

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WPS_LGMX1 04F___	Landis Gyr	MX		
WPS_LGMX1 04G___	Landis Gyr	MX		
WPS_LGMX1 04H___	Landis Gyr	MX		
WPS_LGMXL1_____	Landis Gyr	MX		
WPS_LGXXL2_____	Landis Gyr	MX		
WPS_LGXXL3_____	Landis Gyr	MX		
WPS_LGXXL4_____	Landis Gyr	MX		
WPS_LGXXL5_____	Landis Gyr	MX		
WPS_SIXXALT1____	Landis Gyr	ALT-AL	ALT-AX-SW	
WPS_SAJ5L1_____	Sangamo	J5S		
WPS_SAJXL2_____	Sangamo	J4S		
WPS_SAXXL2_____	Sangamo	C1SX	CN1SX	
WPS_SNXXL1_____	Sensus	ICON		

REJECTED LOT FORM

SSTP REPORTING FORM PSC 113.0919(4)
ELECTRIC METER SSTP PSC 113.0921

PUBLIC SERVICE COMMISSION OF WISCONSIN

UTILITY: Wisconsin Public Service

YEAR GROUP FAILED: 2012

GROUP: WHD5S 86

NUMBER IN GROUP: 3000

FULL LOAD M : 2.71

LIGHT LOAD M 8.09

YEAR TESTED	METERS TESTED	FULL LOAD				LIGHT LOAD			
		$\overline{X}$	S	P	ACTUAL P	$\overline{X}$	S	P	ACTUAL P
2013	41	99.860	.237	2.71%	0.00%	99.277	1.258	8.09%	16.73%
2014	836	99.715	.366	2.71%	0.00%	98.653	1.868	8.09%	39.86%
2015	741	99.685	.284	2.71%	0.00%	98.700	1.200	8.09%	28.39%
2016	0								
TOTAL	1,618								

NEW GROUP(S)	NUMBER
RETIRED	

Failed lots must have all meters tested within four (4) years from January 1 of the reporting year.

$\overline{X}$, S, P, calculated at full load and light load test points using procedure on pages 4, 43, 45, and 103 of MIL-STD-414, 11 June 1957.

M - same as that calculated for failed group.

Actual P - Do not include stopped meters at either test point.

Notes on Lot:
3,000 Meters was population on March 15, 2013
2,395 Meters was population on April 1, 2014
1,776 Meters was population on March 31, 2015
1,376 Meters was population on January 6, 2016
3 Meters was population on March 13, 2017

Meters being removed from this lot were retired without a test during 2016- per PSC 113.0921(1)e

REJECTED LOT FORM

SSTP REPORTING FORM PSC 113.0919(4)
ELECTRIC METER SSTP PSC 113.0921

PUBLIC SERVICE COMMISSION OF WISCONSIN

UTILITY: Wisconsin Public Service

YEAR GROUP FAILED: 2015

GROUP: WHD5S 87

NUMBER IN GROUP: 4,218

FULL LOAD M : 2.49

LIGHT LOAD M 7.61

YEAR TESTED	METERS TESTED	FULL LOAD $\overline{X}$	FULL LOAD S	FULL LOAD P	FULL LOAD ACTUAL P	LIGHT LOAD $\overline{X}$	LIGHT LOAD S	LIGHT LOAD P	LIGHT LOAD ACTUAL P
2016	9								
2017									
2018									
2019									
TOTAL									

NEW GROUP(S)	NUMBER
RETIRED	

Failed lots must have all meters tested within four (4) years from January 1 of the reporting year.

$\overline{X}$, S, P, calculated at full load and light load test points using procedure on pages 4, 43, 45, and 103 of MIL-STD-414, 11 June 1957.

M - same as that calculated for failed group.

Actual P - Do not include stopped meters at either test point.

Notes on Lot:
4,218 Meters was population on January 6, 2016
4,152 Meters was population on March 16, 2017

Meters Tested in 2016 with test results

SerialNum	Test Date	FL	LL
493025	2/3/2016	100.01	99.27
499586	2/3/2016	100.05	100.59
498733	2/17/2016	100.38	100.69
494629	5/23/2016	99.46	93.61
499053	7/28/2016	100.14	101.33
492903	9/22/2016	100.135	99.573
494394	9/26/2016	99.49	96.47
498489	10/24/2016	99.08	99.24
494801	11/3/2016	99.89	100.03