

RE 112 e-FILING REPORT COVER SHEET

REPORT NAME:

PGE's Major Storm/Event Exclusion for January 4, 2017

COMPANY NAME:

Portland General Electric

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION?

No

If known, please select designation:

RE (Electric)

Report is required by:

OAR 860-023-0161

Is this report associated with a specific docket/case?

No

Key words:

PGE's Major Storm/Event Exclusion for January 4, 2017

If known, please select the PUC Section to which the report should be directed:

Electric Rates and Planning



**Portland General Electric Company**  
121 SW Salmon Street • Portland, Oregon 97204  
PortlandGeneral.com

January 30, 2017

Oregon Public Utility Commission  
Attn: Filing Center  
201 High Street, S.E.  
Salem, OR 97308-1088

Re: Major Storm/Event Exclusion  
Period: January 4, 2017

Portland General Electric (PGE) hereby submits this report in compliance with OAR 860-023-0161 which requires the electric company to file a report with the Commission within 30 business days after the conclusion of an event. This report provides a summary of the major storm event that occurred on January 4, 2017.

OAR 860-023-0161: Major Event Filing by Electric Companies

**1. Description of the major event, the interruption causes, and factors that impacted restoration of service.**

On January 4, 2017, PGE's entire service territory experienced a wind storm causing widespread outages. The Portland area experienced wind gusts of 36 mph, Salem experienced wind gusts of 36 mph, and Hillsboro experienced wind gusts of 36 mph.

The severe wind caused many tree-related outages. Uprooted trees and broken limbs caused damage to PGE overhead equipment and poles which made restoration difficult.

**2. The Reliability reporting area and geographic area impacted.**

PGE's entire service territory was impacted by the high winds. Most outages were in PGE's Eastern service territory.

**3. The total number of customers affected and the number of customers without service at periodic intervals.**

At the peak of the storm, PGE had approximately 10,370 customers without power. During the storm, a total of 12,453 customers were affected.

Major Storm/Event  
 Exclusion Occurred:  
 January 4, 2017

4. The calculated SAIDI, SAIFI, and CAIDI impacts (i.e., “Event SAIDI<sup>1</sup>, SAIFI<sup>2</sup>, CAIDI<sup>3</sup> and T<sub>med</sub><sup>4</sup>”) associated with the Major Event on a reliability reporting area and a system-wide basis.

The following table represents the calculated impacts for SAIDI, SAIFI, CAIDI, T<sub>med</sub>, and system-wide basis totals:

	RELIABILITY REPORTING AREAS			SYSTEM-WIDE BASIS
	EASTERN <sup>1</sup>	SOUTHERN	WESTERN	PGE SERVICE TERRITORY
<i>SAIDI</i> <sup>2</sup>	2.46	1.70	0.084	4.99
<i>SAIFI</i> <sup>3</sup>	0.008	0.004	0.002	0.014
<i>CAIDI</i> <sup>4</sup>	301	402	410	346
<i>Customers out at peak</i>	6,943	2,331	1,096	10,370
<i>T<sub>med</sub></i>				4.84

<sup>1</sup> Eastern and Central regions are now combined and represented as the Eastern region.

<sup>2</sup> SAIDI - System Average Interruption Duration Index

<sup>3</sup> SAIFI - System Average Interruption Frequency Index

<sup>4</sup> CAIDI - Customer Average Interruption Duration Index

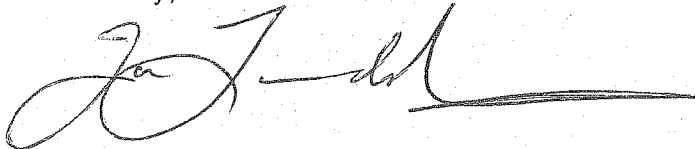
Major Storm/Event  
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**Additional Reporting Related to the January 4, 2017 Storm Event:**

Attachment A provides a summary of outages within PGE's service territory lasting 5 hours or longer.

For questions regarding this filing, please contact Kalia Savage at (503) 464-7432. Please direct all formal correspondence and requests to the following email address [pge.opuc.filings@pge.com](mailto:pge.opuc.filings@pge.com).

Sincerely,

A handwritten signature in black ink, appearing to read "James Landstrom", with a long horizontal flourish extending to the right.

James Landstrom,  
Manager, Transmission and Distribution Asset Management

Enclosures

Major Storm/Event Exclusion Period: January 4, 2017  
Attachment A

Summary of Outages 5 Hours and Longer for  
the Entire PGE Service Territory

Attachment A Summary  
of Outages 5 hours and longer PGE Service Territory  
January 4, 2017

Outage #	Outage Date	Outage Time	Feeder Name	Customers		Customer		Return Date	Return Time	Interrupt Location	SAIDI	SAIFI	CAIDI
				Affected	Duration	Minutes	Minutes						
156796	1/4/2017	5:24 AM	YAMHILL-YAMHILL 13	3	1,897	5,691	1,897	1/5/2017	1:01 PM	FUSE_OH:C2404D-853 / A / 25 A	0.006592154	3.47504E-06	1,897
158616	1/4/2017	8:36 AM	SILVERTON-SOUTH	5	1,793	8,963	1,793	1/5/2017	2:28 PM	SP:22364 NORTH FORK RD SE	0.010382266	5.79174E-06	1,793
157455	1/4/2017	9:22 AM	SILVERTON-SOUTH	2	1,677	3,355	1,677	1/5/2017	1:19 PM	SP:18503 POWERS CREEK LP NE	0.008885985	2.31669E-06	1,677
158432	1/4/2017	9:45 AM	LELAND-CARUS	1	1,438	1,438	1,438	1/5/2017	9:43 AM	SP:22380 S UPPER HIGHLAND RD	0.001665491	1.15835E-06	1,438
157098	1/4/2017	8:02 AM	MOLALLA-FOREST	2	1,282	2,564	1,282	1/5/2017	5:24 AM	SP:20252 S CLIFFSIDE LN	0.002970118	2.31669E-06	1,282
156808	1/4/2017	5:41 AM	MULINO-SOUTH	1	1,179	1,179	1,179	1/5/2017	1:20 AM	SP:27720 S HIGHWAY 213	0.001365112	1.15835E-06	1,179
156805	1/4/2017	5:02 AM	COLTON-DHOOGHE	7	1,133	7,931	1,133	1/4/2017	11:55 PM	XFM_OH:B 25 25000	0.009186852	8.10843E-06	1,133
155613	1/4/2017	1:30 AM	MULINO-SOUTH	34	1,069	36,345	1,069	1/4/2017	7:18 PM	FUSE_OH:D4216A-814 / A / 40 A	0.042100632	3.93838E-05	1,069
157663	1/4/2017	10:29 AM	COLTON-GRAYS HILL	1	1,067	1,067	1,067	1/5/2017	4:16 AM	SP:29855 S GORDON RD	0.00123586	1.15835E-06	1,067
156169	1/4/2017	2:52 AM	CARVER-CARVER 13	27	1,058	28,566	1,058	1/4/2017	8:30 PM	FUSE_OH:D2305A-1370 / A / 40 A	0.033089347	3.12754E-05	1,058
155892	1/4/2017	12:34 AM	MULINO-SOUTH	425	1,028	436,893	1,028	1/4/2017	5:42 PM	RECL:4152	0.506073697	0.000492298	1,028
156822	1/4/2017	1:28 AM	WEST UNION-CORNELIUS PASS	625	1,004	346,429	1,004	1/4/2017	6:11 PM	RECL:4451	0.40128534	0.000723967	554
158590	1/4/2017	7:24 PM	COLTON-GRAYS HILL	1	1,002	1,002	1,002	1/5/2017	12:06 PM	SP:28888 S COX RD	0.001160857	1.15835E-06	1,002
157574	1/4/2017	12:34 AM	MULINO-SOUTH	106	990	104,961	990	1/4/2017	5:05 PM	FUSE_OH:D4217B-906 / ABC / 65 A	0.121581515	0.000122785	990
157909	1/4/2017	12:05 PM	MOLALLA-FOREST	2	978	1,955	978	1/5/2017	4:23 AM	SP:28321 S HULT RD	0.002264878	2.31669E-06	978
155600	1/4/2017	2:01 AM	MULINO-NORTH	2	962	1,923	962	1/4/2017	6:02 PM	SP:Null_1	0.00222754	2.31669E-06	962
155469	1/4/2017	1:02 AM	MULINO-SOUTH	1	961	961	961	1/4/2017	5:03 PM	SP:12292 S MULINO RD_1	0.00111321	1.15835E-06	961
156619	1/4/2017	4:03 AM	MULINO-SOUTH	1	956	956	956	1/4/2017	8:00 PM	SP:15994 S BOULDER DR	0.001107843	1.15835E-06	956
156986	1/4/2017	6:51 AM	SCOTTS MILLS-SCOTTS MILLS 13	40	944	37,744	944	1/4/2017	10:35 PM	SP:23807 MOSS LN NE	0.043720658	4.63339E-05	944
157169	1/4/2017	8:03 AM	MOLALLA-MARQUAM	2	932	1,864	932	1/4/2017	11:35 PM	FUSE_OH:D6319A-107 / C / 6 A	0.002159468	2.31669E-06	932
157931	1/4/2017	12:12 PM	MULINO-SOUTH	1	902	902	902	1/5/2017	3:14 AM	SP:27945 S HWY 213	0.001044984	1.15835E-06	902
157274	1/4/2017	8:33 AM	MULINO-SOUTH	2	891	1,782	891	1/4/2017	11:24 PM	SP:15471 S BIG ROCK LOOP	0.00206402	2.31669E-06	891
157465	1/4/2017	7:39 AM	LIBERAL-LIBERAL 13	17	890	15,127	890	1/4/2017	10:29 PM	SP:12008 S EMERSON RD_1	0.017521855	1.96919E-05	890
157182	1/4/2017	8:09 AM	WEST UNION-CORNELIUS PASS	1	884	884	884	1/4/2017	10:53 PM	SP:11140 NW OLD CORNELIUS PASS RC	0.001023844	1.15835E-06	884
157211	1/4/2017	8:25 AM	COLTON-GRAYS HILL	2	883	1,766	883	1/4/2017	11:08 PM	XFM_OH:B 25 66412	0.00204568	2.31669E-06	883
157012	1/4/2017	7:18 AM	WELCHES-ZIG ZAG	5	856	4,282	856	1/4/2017	9:34 PM	SP:RD 32 LOT 30	0.004960429	5.79174E-06	856
158638	1/4/2017	8:46 PM	BETHANY-LAIDLAW	1	842	842	842	1/5/2017	10:49 AM	SP:9602 NW THOMPSON RD	0.000975464	1.15835E-06	842
157084	1/4/2017	7:58 AM	MOLALLA-MARQUAM	11	830	9,126	830	1/4/2017	9:48 PM	FUSE_OH:D6318A-73 / C / 10 A	0.010570826	1.27418E-05	830
157293	1/4/2017	1:01 AM	DUNNS CORNER-DUNNS CORNER 13	180	816	146,841	816	1/4/2017	2:37 PM	RECL:1696	0.170092865	0.000208503	816
155463	1/4/2017	1:01 AM	DUNNS CORNER-DUNNS CORNER 13	73	815	59,505	815	1/4/2017	2:36 PM	SW_OHLB:1689	0.068927143	8.45593E-05	815
157463	1/4/2017	9:27 AM	CANBY-ZIMMERMAN	1	814	814	814	1/4/2017	11:01 PM	SP:9709 S KRAXBERGER RD_1	0.000943358	1.15835E-06	814
156210	1/4/2017	3:01 AM	COLTON-DHOOGHE	1	812	812	812	1/4/2017	4:33 PM	SP:29433 S DHOOGHE RD	0.000940578	1.15835E-06	812
156782	1/4/2017	4:05 AM	LIBERAL-LIBERAL 13	52	806	41,906	806	1/4/2017	5:31 PM	FUSE_OH:D4124A-32 / A / 40 A	0.048541622	6.02341E-05	806
157473	1/4/2017	9:32 AM	CARVER-CARVER 13	1	805	805	805	1/4/2017	10:57 PM	SP:17785 SE ARMSTRONG CIR	0.000932257	1.15835E-06	805
158393	1/4/2017	4:33 PM	CANBY-ZIMMERMAN	1	795	795	795	1/5/2017	5:47 AM	SP:9285 S CENTENNIAL LN	0.000920635	1.15835E-06	795
157481	1/4/2017	9:35 AM	TEKTRONIX-SOUTH	1	769	769	769	1/4/2017	10:24 PM	SP:14025 SW FARMINGTON RD	0.000891102	1.15835E-06	769
157678	1/4/2017	10:39 AM	LIBERAL-LIBERAL 13	3	763	2,290	763	1/4/2017	11:22 PM	SP:13333 S ROSENCRANTZ RD_1	0.002653136	3.47504E-06	763
156595	1/4/2017	3:53 AM	SHERIDAN-KADELL	4	761	3,044	761	1/4/2017	4:34 PM	XFM_OH:C 50 39626	0.003526395	4.63339E-06	761
156918	1/4/2017	6:32 AM	MULINO-SOUTH	1	742	742	742	1/4/2017	6:54 PM	SP:15851 S UNION MILLS RD	0.00085903	1.15835E-06	742
156840	1/4/2017	6:05 AM	MOLALLA-FOREST	20	741	14,816	741	1/4/2017	6:26 PM	FUSE_OH:D4226D-1516 / C / 15 A	0.017161686	2.31669E-05	741
157005	1/4/2017	7:37 AM	MULINO-SOUTH	1	739	739	739	1/4/2017	7:56 PM	SP:26555 S BURNS RD	0.000856521	1.15835E-06	739
157086	1/4/2017	4:51 AM	MULINO-SOUTH	2	733	1,467	733	1/4/2017	5:04 PM	SP:27004 S RANCH HILLS RD	0.001699064	2.31669E-06	733
157474	1/4/2017	3:11 AM	SCOGGINS-CHERRY GROVE	2	732	1,463	732	1/4/2017	3:22 PM	SP:8885 SW SUMMIT AVE	0.001694894	2.31669E-06	732
157661	1/4/2017	10:27 AM	SCOTTS MILLS-SCOTTS MILLS 13	1	730	730	730	1/4/2017	10:36 PM	SP:23786 MOSS LN NE	0.00084513	1.15835E-06	730
156945	1/4/2017	6:41 AM	LELAND-CARUS	44	714	31,416	714	1/4/2017	6:35 PM	FUSE_OH:D4311A-479 / C / 40 A	0.036390636	5.09673E-05	714
155821	1/4/2017	1:54 AM	MULTNOMAH-MULTNOMAH 13	1	714	714	714	1/4/2017	1:47 PM	SP:3353 SW FALCON ST	0.000827002	1.15835E-06	714
158578	1/4/2017	7:07 PM	DUNNS CORNER-DUNNS CORNER 13	1	713	713	713	1/5/2017	7:01 AM	SP:11000 SE GREEN VALLEY DR	0.000826442	1.15835E-06	713
157638	1/4/2017	1:03 AM	MULINO-SOUTH	19	711	13,514	711	1/4/2017	12:54 PM	FUSE_OH:D4215C-1706 / A / 15 A	0.015653615	2.20086E-05	711
156958	1/4/2017	7:02 AM	COLTON-GRAYS HILL	1	711	711	711	1/4/2017	6:53 PM	SP:24127 S WILCKEN RD	0.000823566	1.15835E-06	711
155362	1/4/2017	12:33 AM	RALEIGH HILLS-MONTCLAIR	18	704	12,678	704	1/4/2017	12:18 PM	FUSE_OH:C1113D-5556 / C / 40 A_1	0.014685526	2.08503E-05	704
155343	1/4/2017	12:24 AM	CANBY-ZIMMERMAN	6	702	4,213	702	1/4/2017	12:07 PM	FUSE_OH:D4114B-345 / A / 15 A	0.00488058	6.95008E-06	702
158383	1/4/2017	11:28 AM	WEST UNION-CORNELIUS PASS	3	697	2,092	697	1/4/2017	11:05 PM	FUSE_OH:B2226A-488 / B / 10 A	0.002422973	3.47504E-06	697
158395	1/4/2017	4:42 PM	LELAND-CARUS	54	696	37,571	696	1/5/2017	4:18 AM	FUSE_OH:D4316C-124 / B / 40 A	0.043520727	6.25508E-05	696

Attachment A Summary  
of Outages 5 hours and longer PGE Service Territory  
January 4, 2017

Outage #	Outage Date	Outage Time	Feeder Name	Customers		Customer		Return Date	Return Time	Interrupt Location	SAIDI	SAIFI	CAIDI
				Affected	Duration	Minutes	Minutes						
158388	1/4/2017	11:28 AM	WEST UNION-CORNELIUS PASS	1	695	695	1/4/2017	11:03 PM	FUSE_OH:B2226D-924 / B / 6 A_1	0.000805206	1.15835E-06	695	
155682	1/4/2017	1:33 AM	PLEASANT VALLEY-PLEASANT 13	61	692	42,190	1/4/2017	1:05 PM	FUSE_OH:D1333C-484 / B / 65 A	0.048870245	7.06592E-05	692	
156689	1/4/2017	4:37 AM	MULINO-NORTH	6	672	4,031	1/4/2017	3:49 PM	SP:13217 S GLENN DR	0.004669298	6.95008E-06	672	
155825	1/4/2017	1:56 AM	MULTNOMAH-MULTNOMAH 13	1	667	667	1/4/2017	1:02 PM	SP:2204 SW TAYLORS FERRY RD	0.000772154	1.15835E-06	667	
157885	1/4/2017	11:46 AM	LIBERAL-LIBERAL 13	1	665	665	1/4/2017	10:51 PM	SP:28020 S CRAMER RD	0.000770359	1.15835E-06	665	
157104	1/4/2017	8:03 AM	COLTON-GRAYS HILL	15	664	9,963	1/4/2017	7:07 PM	FUSE_OH:D4428C-568 / A / 25 A	0.011540613	1.73752E-05	664	
156163	1/4/2017	2:50 AM	OSWEGO-PALATINE	5	663	3,316	1/4/2017	1:53 PM	XFM_OH:C 37.5 3592	0.003841176	5.79174E-06	663	
155840	1/4/2017	2:32 AM	NORTH MARION-MCLAREN	4	656	2,623	1/4/2017	1:28 PM	FUSE_OH:D4118A-847 / AB / 40 A	0.003038499	4.63339E-06	656	
158188	1/4/2017	8:06 AM	COLTON-GRAYS HILL	51	655	33,424	1/4/2017	7:02 PM	FUSE_OH:D4429A-552 / A / 40 A	0.03871625	5.90757E-05	655	
155346	1/4/2017	12:28 AM	MULTNOMAH-13177	338	654	220,990	1/4/2017	11:22 AM	FUSE_OH:D1116C-166 / ABC / Solid	0.255983191	0.000391521	654	
155733	1/4/2017	2:00 AM	MULTNOMAH-13176	2	640	1,279	1/4/2017	12:39 PM	SP:8400 SW 35TH AVE	0.001482028	2.31669E-06	640	
156901	1/4/2017	2:32 AM	SUMMIT-MEADOWS	15	637	9,555	1/4/2017	1:09 PM	SC-BKR:SUMMIT R106	0.010680008	1.73752E-05	637	
155846	1/4/2017	2:42 AM	CANBY-ZIMMERMAN	3	634	1,903	1/4/2017	1:17 PM	SP:26800 S HARMS RD_1	0.002204509	3.47504E-06	634	
156229	1/4/2017	3:05 AM	DUNNS CORNER-DUNNS CORNER 13	75	631	47,303	1/4/2017	1:35 PM	FUSE_OH:D1435A-97 / ABC / 100 A	0.05479272	8.6876E-05	631	
157997	1/4/2017	12:42 PM	WEST UNION-CORNELIUS PASS	2	623	1,247	1/4/2017	11:06 PM	XFM_OH:B 10 26370	0.00144388	2.31669E-06	623	
158547	1/4/2017	6:23 PM	LELAND-CARUS	2	606	1,212	1/5/2017	4:28 AM	SP:21000 S OLSON RD	0.001403415	2.31669E-06	606	
156948	1/4/2017	6:46 AM	LELAND-CARUS	2	606	1,212	1/4/2017	4:52 PM	SP:15950 S BUCKNER CREEK RD	0.001403338	2.31669E-06	606	
156845	1/4/2017	6:10 AM	COLTON-GRAYS HILL	4	600	2,402	1/4/2017	4:11 PM	SP:28892 S BITTNER MILL RD	0.002782273	4.63339E-06	600	
157905	1/4/2017	12:01 PM	BORING-TELFORD	8	590	4,719	1/4/2017	9:51 PM	SP:11850 SE 242ND AVE	0.005466627	9.26678E-06	590	
158162	1/4/2017	1:06 PM	MULINO-SOUTH	7	587	4,107	1/4/2017	10:53 PM	SP:15460 S WAVE RD	0.004757622	8.10843E-06	587	
157885	1/4/2017	11:52 AM	WELCHES-ZIG ZAG	1	583	583	1/4/2017	9:35 PM	SP:RD 35 LOT 161	0.000675471	1.15835E-06	583	
158396	1/4/2017	4:46 PM	LELAND-CARUS	1	573	573	1/4/2017	2:19 AM	SP:Null_43	0.000663231	1.15835E-06	573	
156847	1/4/2017	6:02 AM	BORING-282ND	1	568	568	1/4/2017	3:30 PM	SP:27201 SE HALEY RD	0.000657941	1.15835E-06	568	
156196	1/4/2017	2:59 AM	BETHANY-GERMANTOWN	73	567	41,391	1/4/2017	12:26 PM	FUSE_OH:B1110C-508 / AB / 40 A	0.04794515	8.45593E-05	567	
155671	1/4/2017	1:49 AM	MULTNOMAH-13176	1562	564	412,211	1/4/2017	11:14 AM	BKR:MULTNOMAH R112	0.477483428	0.001809338	564	
156990	1/4/2017	7:28 AM	MOLALLA-FOREST	1	563	563	1/4/2017	4:50 PM	SP:24020 S BEAVERCREEK RD	0.00065157	1.15835E-06	563	
157215	1/4/2017	8:27 AM	NORTH MARION-MCLAREN	2	561	1,122	1/4/2017	5:48 PM	SP:6543 S ZIMMERMAN RD	0.001299318	2.31669E-06	561	
157277	1/4/2017	8:52 AM	COLTON-GRAYS HILL	10	560	5,605	1/4/2017	6:12 PM	FUSE_OH:D4431B-1172 / B / 6 A_1	0.006491957	1.15835E-05	560	
157960	1/4/2017	12:28 PM	WEST UNION-CORNELIUS PASS	1	559	559	1/4/2017	9:48 PM	SP:9825 NW KAISER RD	0.000647844	1.15835E-06	559	
155462	1/4/2017	12:57 AM	LELAND-CARUS	1	554	554	1/4/2017	10:11 AM	SP:26699 S BEESON RD	0.000641551	1.15835E-06	554	
158642	1/4/2017	9:00 PM	COLTON-DHOOGHE	1	552	552	1/5/2017	6:12 AM	SP:29122 S HULT RD	0.000639948	1.15835E-06	552	
156684	1/4/2017	4:30 AM	BETHANY-GERMANTOWN	2	546	1,092	1/4/2017	1:36 PM	XFM_OH:C 25 32369	0.001264915	2.31669E-06	546	
158132	1/4/2017	1:19 PM	OAK GROVE-LAKE HARRIET	1	544	544	1/4/2017	10:22 PM	SP:Null_13	0.000629678	1.15835E-06	544	
157267	1/4/2017	8:47 AM	NORTH MARION-MCLAREN	1	535	535	1/4/2017	5:42 PM	FUSE_OH:D4130B-1480 / B / 6 A	0.000620063	1.15835E-06	535	
156446	1/4/2017	3:28 AM	ST MARYS EAST-BUTNER	17	533	9,058	1/4/2017	12:21 PM	XFM_OH:B 75 55116	0.010491846	1.96919E-05	533	
156416	1/4/2017	3:19 AM	HARBORTON-LINNTON	69	529	36,530	1/4/2017	12:08 PM	FUSE_OH:B1108A-31 / ABC / 100 A	0.042314134	7.9926E-05	529	
156947	1/4/2017	6:45 AM	HOGAN SOUTH-LAWRENCE	1	521	521	1/4/2017	3:27 PM	SP:201 SW 6TH CT	0.000604059	1.15835E-06	521	
158204	1/4/2017	1:57 PM	SCOTTS MILLS-SCOTTS MILLS 13	1	521	521	1/4/2017	10:38 PM	SP:2434 CROOKED FINGER RD NE	0.000602958	1.15835E-06	521	
156977	1/4/2017	7:13 AM	MULINO-NORTH	3	513	1,540	1/4/2017	3:47 PM	SP:13311 S GLENN DR	0.001783391	3.47504E-06	513	
156982	1/4/2017	7:21 AM	MULINO-SOUTH	1	511	511	1/4/2017	3:52 PM	SP:15730 S GILCHRIST RD	0.000591336	1.15835E-06	511	
155597	1/4/2017	1:19 AM	TWILIGHT-BREMER	1	509	509	1/4/2017	9:47 AM	XFM_OH:A 10 6312	0.000589097	1.15835E-06	509	
155599	1/4/2017	1:20 AM	TWILIGHT-BREMER	4	507	2,028	1/4/2017	9:47 AM	FUSE_OH:D4112B-459 / AC / 25 A	0.002349205	4.63339E-06	507	
155833	1/4/2017	2:16 AM	MOLALLA-MARQUAM	1	499	499	1/4/2017	10:36 AM	SP:40251 S SAWTELL RD	0.000578266	1.15835E-06	499	
158117	1/4/2017	1:12 PM	COLTON-GRAYS HILL	1	499	499	1/4/2017	9:31 PM	SP:24242 S ENGSTROM RD	0.000578247	1.15835E-06	499	
156956	1/4/2017	6:59 AM	LIBERAL-LIBERAL 13	9	494	4,449	1/4/2017	3:14 PM	SP:28270 S CRAMER RD	0.005153661	1.04251E-05	494	
156706	1/4/2017	4:49 AM	BOONES FERRY-WEMBLEY PARK	10	492	4,917	1/4/2017	1:01 PM	FUSE_OH:D2108D-625 / C / 40 A	0.005695979	1.15835E-05	492	
158193	1/4/2017	1:53 PM	MOLALLA-FOREST	1	491	491	1/4/2017	10:04 PM	SP:28833 S ROYAL OAKS DR	0.000569154	1.15835E-06	491	
156741	1/4/2017	5:13 AM	ST LOUIS-WEST	69	491	33,885	1/4/2017	1:24 PM	FUSE_OH:CS219D-101 / ABC / 65 A	0.039250306	7.9926E-05	491	
157000	1/4/2017	7:34 AM	MULINO-NORTH	5	491	2,455	1/4/2017	3:45 PM	SP:13334 S GLENN DR	0.002843549	5.79174E-06	491	
156955	1/4/2017	6:59 AM	DUNNS CORNER-DUNNS CORNER 13	4	489	1,956	1/4/2017	3:08 PM	SP:38685 SE HUDSON RD	0.002265264	4.63339E-06	489	
158654	1/4/2017	9:33 PM	BORING-TELFORD	1	486	486	1/5/2017	5:39 AM	SP:16561 SE MARINA RD_1	0.000562995	1.15835E-06	486	
158545	1/4/2017	6:20 PM	MULINO-SOUTH	1	485	485	1/5/2017	2:25 AM	SP:15460 S BIG ROCK LOOP	0.000561702	1.15835E-06	485	
158465	1/4/2017	5:24 PM	LELAND-CARUS	4	485	1,939	1/5/2017	1:28 AM	SP:28332 S HULT RD	0.002246344	4.63339E-06	485	

Attachment A Summary  
of Outages 5 hours and longer PGE Service Territory  
January 4, 2017

Outage #	Outage Date	Outage Time	Feeder Name	Customers		Customer Minutes	Return Date	Return Time	Interrupt Location	SAIDI	SAIFI	CAIDI
				Affected	Duration							
158472	1/4/2017	5:32 PM	LELAND-CARUS	1	480	480	1/5/2017	1:32 AM	SP:20050 S OLSON RD	0.00055564	1.15835E-06	480
156525	1/4/2017	3:40 AM	SILVERTON-WEST	174	474	82,543	1/4/2017	11:34 AM	RECL:8228	0.095613107	0.000201552	474
156910	1/4/2017	6:21 AM	BORING-282ND	5	474	2,370	1/4/2017	2:15 PM	FUSE_OH:D1430A-1652 / AB / 15 A	0.002745283	5.79174E-06	474
157003	1/4/2017	7:35 AM	MULINO-SOUTH	1	466	466	1/4/2017	3:21 PM	XFM_OH:A 15 13953	0.000540137	1.15835E-06	466
156917	1/4/2017	6:31 AM	MT ANGEL-WEST	46	462	21,273	1/4/2017	2:13 PM	FUSE_OH:C6116D-2245 / ABC / 65 A	0.024641173	5.3284E-05	462
157444	1/4/2017	9:18 AM	MOLALLA-FOREST	4	462	1,849	1/4/2017	5:00 PM	SP:17770 S SCHMIDT RD	0.002141861	4.63339E-06	462
157284	1/4/2017	8:56 AM	HOGAN SOUTH-CLEVELAND	26	459	11,934	1/4/2017	4:35 PM	XFM_OH:B 50 5268	0.013823716	3.0117E-05	459
156790	1/4/2017	5:30 AM	BETHANY-GERMANTOWN	1	457	457	1/4/2017	1:08 PM	SP:9253 NW SKYLINE BLVD	0.000529905	1.15835E-06	457
157401	1/4/2017	9:01 AM	MOLALLA-MARQUAM	1	456	456	1/4/2017	4:37 PM	SP:34262 S WILHOIT RD	0.00052838	1.15835E-06	456
157420	1/4/2017	9:02 AM	MOLALLA-MARQUAM	1	455	455	1/4/2017	4:36 PM	SP:34351 S WILHOIT RD	0.000526816	1.15835E-06	455
157859	1/4/2017	11:43 AM	SCOTT'S MILLS-SCOTT'S MILLS 13	16	447	7,158	1/4/2017	7:11 PM	FUSE_OH:D7113D-488 / B / 15 A	0.008291604	1.85336E-05	447
158488	1/4/2017	5:45 PM	COLTON-GRAYS HILL	1	446	446	1/5/2017	1:10 AM	SP:30006 S GORDON RD SHOP	0.000516565	1.15835E-06	446
155916	1/4/2017	2:42 AM	CANBY-BUTTEVILLE	1	445	445	1/4/2017	10:07 AM	FUSE_OH:C4124D-1918 / C / 6 A	0.000515465	1.15835E-06	445
156640	1/4/2017	4:07 AM	BOONES FERRY-WEMBLEY PARK	12	445	5,340	1/4/2017	11:32 AM	FUSE_OH:D2108A-2345 / C / 65 A	0.006185574	1.39002E-05	445
158534	1/4/2017	6:12 PM	LELAND-CARUS	1	444	444	1/5/2017	1:36 AM	XFM_OH:A 15 36338	0.000514383	1.15835E-06	444
157833	1/4/2017	11:28 AM	WEST UNION-CORNELIUS PASS	129	436	56,180	1/4/2017	6:43 PM	FUSE_OH:B2225B-461 / BC / 40 A	0.065075368	0.000149427	436
158330	1/4/2017	3:49 PM	LELAND-CARUS	1	435	435	1/4/2017	11:04 PM	SP:24650 S BEAVERCREEK RD	0.000504132	1.15835E-06	435
156635	1/4/2017	4:09 AM	MULTNOMAH-13181	23	433	9,950	1/4/2017	11:21 AM	FUSE_OH:D1119A-537 / B / 25 A	0.011525767	2.6642E-05	433
157857	1/4/2017	11:43 AM	COLTON-GRAYS HILL	1	431	431	1/4/2017	6:54 PM	SP:30066 S CAMP COLTON DR_2	0.0004989	1.15835E-06	431
158201	1/4/2017	1:52 PM	WEST UNION-CORNELIUS PASS	3	428	1,284	1/4/2017	9:00 PM	SP:22329 NW 220TH AVE	0.001487202	3.47504E-06	428
158244	1/4/2017	2:29 PM	WELCHES-ZIG ZAG	1	426	426	1/4/2017	9:34 PM	SP:RD 34 LOT 52	0.000493031	1.15835E-06	426
155888	1/4/2017	2:49 AM	HARBORTON-BURLINGTON	11	425	4,679	1/4/2017	9:54 AM	FUSE_OH:B2133A-2814 / B / 40 A	0.00542037	1.27418E-05	425
156678	1/4/2017	4:21 AM	MULTNOMAH-13181	1	421	421	1/4/2017	11:22 AM	SP:7304 SW 53RD AVE	0.000487664	1.15835E-06	421
157283	1/4/2017	8:50 AM	MULINO-NORTH	4	419	1,677	1/4/2017	3:49 PM	SP:13343 S GLENN DR	0.001943012	4.63339E-06	419
156549	1/4/2017	3:48 AM	SHERIDAN-KADELL	28	417	11,666	1/4/2017	10:45 AM	FUSE_OH:C5607D-799 / C / 25 A	0.01351351	3.24339E-05	417
156621	1/4/2017	4:03 AM	NEWBERG-CHEHALEM	3	416	1,249	1/4/2017	10:59 AM	SP:17600 NE OLDS LN	0.001446254	3.47504E-06	416
157017	1/4/2017	7:47 AM	SILVERTON-SOUTH	37	412	15,256	1/4/2017	2:40 PM	FUSE_OH:D7109D-254 / AC / 40 A	0.017671417	4.28588E-05	412
157968	1/4/2017	12:32 PM	SILVERTON-WEST	107	412	44,096	1/4/2017	7:24 PM	FUSE_OH:C7134C-1064 / ABC / 40 A	0.051079039	0.000123943	412
158282	1/4/2017	3:02 PM	MERIDIAN-PILKINGTON	1	412	412	1/4/2017	9:53 PM	SP:18369 SW LONGFELLOW AVE	0.000477162	1.15835E-06	412
156198	1/4/2017	2:59 AM	DILLEY-DILLEY 13	15	411	6,165	1/4/2017	9:50 AM	FUSE_OH:C1410B-406 / B / 25 A	0.007141211	1.73752E-05	411
157246	1/4/2017	8:41 AM	HOGAN SOUTH-CLEVELAND	1	405	405	1/4/2017	3:27 PM	SP:2740 NE LINDEN AVE	0.000469517	1.15835E-06	405
158553	1/4/2017	3:02 PM	MAIN-EXPRESS	1	404	404	1/4/2017	9:46 PM	SP:1736 SE WALNUT ST	0.000468146	1.15835E-06	404
157970	1/4/2017	12:21 PM	NEWBERG-DUNDEE	2	402	805	1/4/2017	7:03 PM	XFM_OH:A 15 33637 C 25 47047	0.000932276	2.31669E-06	402
157675	1/4/2017	10:38 AM	LIBERAL-LIBERAL 13	1	402	402	1/4/2017	5:20 PM	SP:11201 S RIGGS DAMM RD	0.000465868	1.15835E-06	402
157265	1/4/2017	8:46 AM	HOGAN SOUTH-CLEVELAND	1	395	395	1/4/2017	3:21 PM	SP:1244 NE 16TH ST	0.000457142	1.15835E-06	395
157543	1/4/2017	10:03 AM	WOODBURN-EAST	1	394	394	1/4/2017	4:37 PM	SP:12573 ELLIOTT PRAIRIE RD NE	0.000456505	1.15835E-06	394
158498	1/4/2017	5:54 PM	MULINO-SOUTH	1	394	394	1/5/2017	12:27 AM	SP:15420 S BIG ROCK LOOP	0.000455887	1.15835E-06	394
157467	1/4/2017	9:28 AM	WEST UNION-CORNELIUS PASS	70	392	27,411	1/4/2017	3:59 PM	FUSE_OH:B1211A-1704 / BC / 65 A	0.031751263	8.10843E-05	392
158287	1/4/2017	3:08 PM	WELCHES-ZIG ZAG	1	386	386	1/4/2017	9:34 PM	SP:RD 34 LOT 50	0.000446852	1.15835E-06	386
158308	1/4/2017	3:30 PM	MOLALLA-MARQUAM	1	385	385	1/4/2017	9:55 PM	SP:36119 S DICKEY PRAIRIE RD	0.000445423	1.15835E-06	385
157906	1/4/2017	9:39 AM	WEST UNION-CORNELIUS PASS	1	376	376	1/4/2017	3:54 PM	SP:19821 NW PHILLIPS RD	0.000434979	1.15835E-06	376
157962	1/4/2017	12:29 PM	COLTON-GRAYS HILL	1	375	375	1/4/2017	6:44 PM	SP:27897 S COX RD	0.000434091	1.15835E-06	375
157780	1/4/2017	11:03 AM	DAYTON-LAFAYETTE	1	374	374	1/4/2017	5:17 PM	SP:896 5TH ST	0.000433203	1.15835E-06	374
156617	1/4/2017	4:00 AM	DILLEY-DILLEY 13	1	373	373	1/4/2017	10:13 AM	SP:4445 SW PUMA DR	0.000432199	1.15835E-06	373
156816	1/4/2017	5:47 AM	ST LOUIS-WEST	1	363	363	1/4/2017	11:50 AM	SP:14801 RIVER RD NE	0.000420866	1.15835E-06	363
158254	1/4/2017	2:37 PM	BORING-TELFORD	2	363	726	1/4/2017	8:40 PM	XFM_OH:C 25 13556	0.00084042	2.31669E-06	363
157445	1/4/2017	9:19 AM	HOGAN SOUTH-CLEVELAND	1	363	363	1/4/2017	3:21 PM	SP:696 NE 26TH ST	0.000420075	1.15835E-06	363
158236	1/4/2017	2:20 PM	BORING-TELFORD	1	362	362	1/4/2017	8:23 PM	SP:10701 SE TELFORD RD_1	0.000419804	1.15835E-06	362
157707	1/4/2017	10:50 AM	MOLALLA-FOREST	1	356	356	1/4/2017	4:46 PM	SP:16822 S HOWARDS MILL RD	0.000411966	1.15835E-06	356
156886	1/4/2017	6:09 AM	SUMMIT-SUMMIT 13	4	345	1,381	1/4/2017	11:54 AM	XFM_OH:C 15 28996	0.001600064	4.63339E-06	345
156687	1/4/2017	4:36 AM	MOLALLA-FOREST	1	345	345	1/4/2017	10:21 AM	SP:28520 S HULT RD	0.000399784	1.15835E-06	345
156521	1/4/2017	3:32 AM	CEDAR HILLS-SHOPPING CENTER	61	343	20,927	1/4/2017	9:16 AM	FUSE_OH:C1103D-1309 / C / 100 A	0.02424081	7.06592E-05	343
157776	1/4/2017	11:03 AM	MOLALLA-FOREST	1	343	343	1/4/2017	4:46 PM	SP:24881 S CHESNICK DR	0.000397081	1.15835E-06	343



**Attachment A Summary  
of Outages 5 hours and longer PGE Service Territory  
January 4, 2017**

Outage #	Outage Date	Outage Time	Feeder Name	Customers		Customer Minutes	Return Date	Return Time	Interrupt Location	SAIDI	SAIFI	CAIDI
				Affected	Duration							
157870	1/4/2017	11:44 AM	BORING-TELFORD	181	340	61,606	1/4/2017	5:25 PM	FUSE_OH:D2315A-386 / ABC / Solid	0.071361564	0.000209661	340
157653	1/4/2017	10:23 AM	CORNELL-BLUFFS	1	340	340	1/4/2017	4:02 PM	SP:1775 NW 119TH AVE	0.000393433	1.15835E-06	340
157911	1/4/2017	11:44 AM	BORING-TELFORD	112	338	37,901	1/4/2017	5:23 PM	FUSE_OH:D2315C-1152 / AB / 65 A	0.043902286	0.000129735	338
155842	1/4/2017	2:38 AM	NORTH MARION-MCLAREN	73	335	24,485	1/4/2017	8:14 AM	FUSE_OH:C4136D-1981 / ABC / 65 A	0.028362614	8.45593E-05	335
156987	1/4/2017	4:58 AM	BOONES FERRY-WEMBLEY PARK	35	333	11,647	1/4/2017	10:30 AM	FUSE_OH:D2104C-4293 / ABC / 100 A	0.013491753	4.05422E-05	333
156739	1/4/2017	5:13 AM	MOLALLA-MARQUAM	1	324	324	1/4/2017	10:36 AM	SP:39214 S SAWTELL RD	0.00037488	1.15835E-06	324
155448	1/4/2017	12:42 AM	MULINO-NORTH	367	323	118,541	1/4/2017	6:05 AM	BKR:MULINO R106	0.137311638	0.000425113	323
157082	1/4/2017	7:58 AM	MOLALLA-MARQUAM	121	320	38,734	1/4/2017	1:18 PM	RECL:9515	0.044867556	0.00014016	320
157510	1/4/2017	9:40 AM	HOGAN SOUTH-CLEVELAND	1	320	320	1/4/2017	3:00 PM	SP:375 NE 20TH DR	0.000370575	1.15835E-06	320
156719	1/4/2017	4:55 AM	MULINO-NORTH	8	319	2,554	1/4/2017	10:15 AM	SP:13491 S FREEMAN RD	0.002958882	9.26678E-06	319
157186	1/4/2017	8:11 AM	COLTON-GRAYS HILL	1	319	319	1/4/2017	1:29 PM	SP:23800 S HUNTER RD	0.000369088	1.15835E-06	319
156899	1/4/2017	6:14 AM	BOONES FERRY-WEMBLEY PARK	1	318	318	1/4/2017	11:33 AM	SP:15780 TWIN FIR RD	0.00036849	1.15835E-06	318
155849	1/4/2017	6:18 AM	BORING-TELFORD	1371	312	427,752	1/4/2017	11:30 AM	SC-BKR:BORING R116	0.495485342	0.001588094	312
157517	1/4/2017	9:47 AM	WEST UNION-CORNELIUS PASS	1	310	310	1/4/2017	2:57 PM	SP:10697 NW VALLEY VISTA RD	0.000359551	1.15835E-06	310
157541	1/4/2017	10:02 AM	CANBY-BUTTEVILLE	1	309	309	1/4/2017	3:11 PM	SP:19001 HIGHWAY 99E	0.000357756	1.15835E-06	309
156908	1/4/2017	6:21 AM	BOONES FERRY-WEMBLEY PARK	1	308	308	1/4/2017	11:30 AM	SP:15700 TWIN FIR RD	0.000357138	1.15835E-06	308
158495	1/4/2017	5:53 PM	MULINO-SOUTH	110	308	33,867	1/4/2017	11:00 PM	FUSE_OH:D4227D-79 / ABC / 40 A	0.039229938	0.000127418	308
158155	1/4/2017	1:26 PM	BLUE LAKE-BLUE LAKE 13	1	305	305	1/4/2017	6:31 PM	SP:20757 NE SANDY BLVD	0.000352948	1.15835E-06	305
157673	1/4/2017	10:36 AM	SUMMIT-GOVERNMENT CAMP	1	302	302	1/4/2017	3:38 PM	SP:88335 E GOVERNMENT CAMP LOOP	0.000349956	1.15835E-06	302
158599	1/4/2017	7:30 PM	MULINO-SOUTH	1	302	302	1/5/2017	12:32 AM	SP:15620 S BIG ROCK LOOP	0.000349937	1.15835E-06	302