

RE 112 e-FILING REPORT COVER SHEET

REPORT NAME:

PGE's Major Storm/Event Exclusion for Period December 8 and 9, 2015

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 Period December 8 and 9, 2015

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 20, 2016

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

Re: Major Storm/Event Exclusion  
Period: December 8 and 9, 2015

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 December 8 and 9, 2015.

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 December 8 and 9, 2015, PGE's entire service territory experienced widespread outages due to several days of unprecedented rainfall, followed by high winds.

The series of storms to hit the Portland Metro area caused substantial flooding and road closures impacting restoration efforts and making outage response difficult for PGE crews. The major cause(s) of interruption were due to landslides, uprooted trees, high winds, tree limbs, downed wire and sustained flooding.

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

PGE's entire service territory was impacted by the flooding and winds. The hardest hit area was PGE's Eastern service territory experiencing the highest number of customers affected.

**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 27,056 customers without power. During the storm, a total of 53,676 customers were affected.

**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 to 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<sup>2</sup></i>	12.52	1.57	1.68	15.77
<i>SAIFI<sup>3</sup></i>	0.047	0.007	0.007	.062
<i>CAIDI<sup>4</sup></i>	265	212	227	254
<i>Customers out at peak</i>	24,707	697	1,652	27,056
<i>T<sub>med</sub></i>				3.80

<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

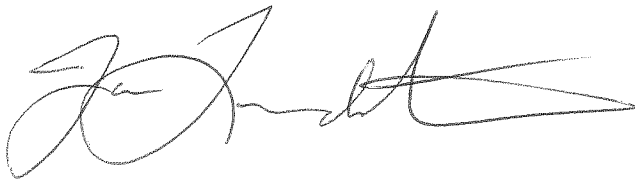
<sup>4</sup> CAIDI - Customer Average Interruption Duration Index

**Additional Reporting Related to the December 8 and 9, 2015 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 Terri Bowman at (503) 464-8854. Please direct all formal correspondence and requests to the following email address [pge.opuc.filings@pgn.com](mailto:pge.opuc.filings@pgn.com)

Sincerely,

A handwritten signature in black ink, appearing to read "James Landstrom". The signature is fluid and cursive, with a large initial "J" and a long, sweeping horizontal stroke at the end.

James Landstrom,  
Manager, Transmission and Distribution Asset Management

Enclosures

## Major Storm/Event Exclusion Period: December 8 and 9, 2015 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 December 8<sup>th</sup>, 9<sup>th</sup>, 2015

Outage #	Device Open	Outage Time	Feeder Name	Cust Affected	Duration	Return Time	Interrupt Location	Cause Code	Region	SAIDI	SAIFI	CAIDI
31496	point_of_service_oh	12/8/15 8:10 AM	WELCHES-ZIG ZAG	1	3548	12/10/15 7:19 PM	SP-RD 20 LOT 36	Tree Uprooted	EASTERN	0.0041	0.000001	3548
31442	point_of_service_oh	12/8/15 1:17 AM	HARMONY-THIESSEN	1	2688	12/9/15 10:06 PM	SP-6180 SE LAKE RD	Flooding	EASTERN	0.0031	0.000001	2688
31504	point_of_service_oh	12/8/15 8:27 AM	HARMONY-THIESSEN	1	2257	12/9/15 10:04 PM	SP-6174 SE LAKE RD	Flooding	EASTERN	0.0026	0.000001	2257
31525	point_of_service_oh	12/8/15 9:07 AM	HARMONY-MILWAUKIE	1	2215	12/9/15 10:01 PM	SP-13012 SE RUSK RD	Flooding	EASTERN	0.0026	0.000001	2215
31881	point_of_service_oh	12/8/15 11:13 AM	HARMONY-THIESSEN	1	2095	12/9/15 10:08 PM	SP-6254 SE LAKE RD	Flooding	EASTERN	0.0024	0.000001	2095
31949	point_of_service_oh	12/8/15 12:42 PM	WELCHES-ZIG ZAG	1	1958	12/9/15 9:19 PM	SP-RD 20E LOT 4	High Winds	EASTERN	0.0023	0.000001	1958
32063	point_of_service_oh	12/8/15 3:30 PM	HARMONY-MILWAUKIE	1	1827	12/9/15 9:57 PM	SP-12949 SE RUSK RD	Flooding	EASTERN	0.0021	0.000001	1827
33473	fuse_oh	12/9/15 5:12 AM	SANDY-SANDY 13	2	1716	12/10/15 9:48 AM	FUSE_OH:D2526C-2260	Fuse / Cutout	EASTERN	0.0040	0.000002	1716
32384	point_of_service_oh	12/8/15 6:38 PM	GRAND RONDE-FORTHILL	4	1642	12/9/15 10:00 PM	SP-6645 ASH AV_1	Tree Uprooted	SOUTHERN	0.0076	0.000005	1642
33335	fuse_oh	12/9/15 4:07 AM	SANDY-SANDY 13	18	1631	12/10/15 7:18 AM	FUSE_OH:D2534B-1373_1	OH Connector / Clamp / Jumper	EASTERN	0.0339	0.000021	1631
32485	xfm_oh	12/8/15 7:57 PM	GRAND RONDE-FORTHILL	1	1564	12/9/15 10:01 PM	XFM_OH:C 15 27957	High Winds	SOUTHERN	0.0018	0.000001	1564
33844	point_of_service_oh	12/8/15 7:51 PM	RAMAPO-RAMAPO 13	2	1552	12/9/15 9:43 PM	SP-12800 SE FLAVEL ST	High Winds	EASTERN	0.0036	0.000002	1552
31737	fuse_oh	12/8/15 10:39 AM	WALLACE-WALLACE 13	1	1505	12/9/15 11:45 AM	FUSE_OH:C7306D-9014_1	High Winds	SOUTHERN	0.0017	0.000001	1505
32229	point_of_service_oh	12/8/15 4:47 PM	HOGAN NORTH-SALOUIST	11	1485	12/9/15 5:32 PM	SP-3180 SE ACACIA AVE	Operational Error	EASTERN	0.0189	0.000013	1485
32226	xfm_oh	12/8/15 5:43 PM	WELCHES-ZIG ZAG	3	1483	12/9/15 6:25 PM	XFM_OH:B 15 41220	Primary Conductor	EASTERN	0.0051	0.000003	1483
32484	fuse_oh	12/8/15 7:57 PM	YAMHILL-CARLTON	59	1439	12/9/15 7:57 PM	FUSE_OH:C3501B-363	Anchor / Guying	SOUTHERN	0.0981	0.000068	1439
32098	fuse_oh	12/8/15 4:30 PM	PLEASANT VALLEY-PLEASANT 13	1	1386	12/9/15 3:35 PM	FUSE_OH:D1333A-508	High Winds	EASTERN	0.0016	0.000001	1386
32010	xfm_oh	12/8/15 2:31 PM	ABERNETHY-OREGON CITY	2	1355	12/9/15 1:06 PM	XFM_OH:C 10 13997	Fuse / Cutout	EASTERN	0.0031	0.000002	1355
32133	load_break_disc_oh	12/8/15 3:25 PM	HARBORTON-LINNTON	59	1314	12/9/15 1:19 PM	SW_OHLB:1259	Other - Environment / Weather	EASTERN	0.0895	0.000068	1314
32184	fuse_oh	12/8/15 5:20 PM	TWILIGHT-BREMER	1	1272	12/9/15 2:32 PM	FUSE_OH:D4101B-1822_1	High Winds	EASTERN	0.0015	0.000001	1272
32152	xfm_oh	12/8/15 5:10 PM	COLTON-DHOOGHE	1	1264	12/9/15 2:14 PM	XFM_OH:B 25 94195	Tree Uprooted	SOUTHERN	0.0015	0.000001	1264
32132	xfm_oh	12/8/15 4:56 PM	ORIENT-ORIENT 13	2	1252	12/9/15 1:48 PM	XFM_OH:B 10 29067	High Winds	EASTERN	0.0029	0.000002	1252
32221	fuse_oh	12/8/15 5:41 PM	HARBORTON-LINNTON	35	1247	12/9/15 2:29 PM	FUSE_OH:B1111A-597	Other - Environment / Weather	EASTERN	0.0504	0.000040	1247
32926	point_of_service_oh	12/9/15 3:40 AM	OSWEGO-PALATINE	1	1239	12/10/15 12:19 AM	SP-13220 SW IRON MOUNTAIN BLVD	Planned Outage	WESTERN	0.0014	0.000001	1239
32250	point_of_service_oh	12/8/15 5:56 PM	HARBORTON-LINNTON	1	1232	12/9/15 2:28 PM	SP-8766 NW BRIDGE AVE	Other - Environment / Weather	EASTERN	0.0014	0.000001	1232

33743	inline_jumper	12/9/15 3:23 AM	OSWEGO- PALATINE	114	1221	12/9/15 11:44 PM	<inline_jumper.1206>	Primary Conductor	WESTERN	0.1607	0.000132	1221
32264	point_of_service_oh	12/8/15 6:05 PM	MT PLEASANT- MT VIEW	1	1196	12/9/15 2:01 PM	SP:15452 S MAPLELANE RD	Tree Uprooted	EASTERN	0.0014	0.000001	1196
32584	fuse_oh	12/8/15 9:00 PM	DUNNS CORNER-DUNNS CORNER 13	11	1183	12/9/15 4:43 PM	FUSE_OH:D1532D-746	High Winds	EASTERN	0.0150	0.000013	1183
33868	fuse_oh	12/9/15 1:33 AM	WILLAMINA- BRIDGE	4	1133	12/9/15 8:26 PM	FUSE_OH:C5723C-429	Tree Uprooted	SOUTHERN	0.0052	0.000005	1133
33569	point_of_service_oh	12/8/15 8:49 PM	SANDY-362ND	4	1124	12/9/15 3:33 PM	SP:Null_113	Other - Environment / Weather	EASTERN	0.0052	0.000005	1124
32559	point_of_service_oh	12/8/15 7:32 PM	ABERNETHY- OREGON CITY	55	1120	12/9/15 2:12 PM	SP:14681 S BRUNNER RD	High Winds	EASTERN	0.0711	0.0000064	1120
32052	scada_src_br	12/8/15 3:25 PM	HARBORTON- LINNTON	329	1072	12/9/15 9:17 AM	SC-BKR:HARBORTON EAST R334	Flooding	EASTERN	0.0395	0.000380	104
32217	fuse_oh	12/8/15 5:37 PM	REDLAND- HENRICI	112	1015	12/9/15 10:33 AM	FUSE_OH:D3214A-276	High Winds	EASTERN	0.1313	0.000129	1015
32513	point_of_service_oh	12/8/15 8:16 PM	MERIDIAN- MERIDIAN 13	4	1010	12/9/15 1:06 PM	SP:Null	High Winds	WESTERN	0.0047	0.000005	1010
32105	scada_src_br	12/8/15 4:46 PM	LELAND-CARUS	694	992	12/9/15 9:18 AM	SC-BKR:LELAND R116	High Winds	EASTERN	0.0999	0.000801	125
32574	fuse_oh	12/8/15 8:57 PM	FARGO-FARGO 13	3	991	12/9/15 1:28 PM	FUSE_OH:C4116C-1689	Limb on Line	SOUTHERN	0.0034	0.000003	991
32608	fuse_oh	12/8/15 6:50 PM	ORIENT- BARLOW	30	988	12/9/15 11:18 AM	FUSE_OH:D1418D-126	Installation Error - Improper Install	EASTERN	0.0342	0.000035	988
32677	fuse_oh	12/8/15 9:48 PM	CARVER-SOUTH 13	9	983	12/9/15 2:11 PM	FUSE_OH:D2215A-2457	High Winds	EASTERN	0.0102	0.000010	983
32690	point_of_service_oh	12/8/15 10:04 PM	COLTON- DHOOGHE	1	971	12/9/15 2:15 PM	SP:33650 S ODEAN RD	Tree Uprooted	SOUTHERN	0.0011	0.000001	971
32580	point_of_service_oh	12/8/15 8:59 PM	SPRINGBROOK- ZIMRI	1	951	12/9/15 12:50 PM	SP:29875 NE MOUNTAIN TOP RD_2	Limb on Line	SOUTHERN	0.0011	0.000001	951
32378	fuse_oh	12/8/15 6:38 PM	SCOTT'S MILLS- SCOTT'S MILLS 13	4	942	12/9/15 10:20 AM	FUSE_OH:D6233C-901	High Winds	SOUTHERN	0.0044	0.000005	942
32260	fuse_oh	12/8/15 6:08 PM	NEWBERG- CHEHALEM	16	941	12/9/15 9:49 AM	FUSE_OH:C2325B-961	High Winds	SOUTHERN	0.0174	0.000018	941
33479	point_of_service_oh	12/9/15 12:54 AM	SANDY- WILDCAT	24	939	12/9/15 4:33 PM	SP:43325 SE WILDCAT MOUNTAIN DR	High Winds	EASTERN	0.0260	0.000028	939
32703	point_of_service_oh	12/8/15 10:26 PM	ISLAND-13187	2	938	12/9/15 2:04 PM	SP:15400 SE WOODLAND WAY	High Winds	EASTERN	0.0022	0.000002	938
32676	fuse_oh	12/8/15 9:48 PM	MOLALLA- FOREST	1	934	12/9/15 1:22 PM	FUSE_OH:D5307C-91	High Winds	SOUTHERN	0.0011	0.000001	934
34740	point_of_service_oh	12/9/15 11:38 PM	MIDWAY- LYNCH	131	932	12/10/15 3:10 PM	SP:14331 SE DIVISION ST	Car Hit Equipment	EASTERN	0.1410	0.000151	932
33597	fuse_oh	12/9/15 7:01 AM	GRAND RONDE- FORTHILL	10	899	12/9/15 10:00 PM	FUSE_OH:C6814A-711	Tree Uprooted	SOUTHERN	0.0104	0.000012	899
34594	fuse_oh	12/9/15 7:26 AM	YAMHILL- YAMHILL 13	5	887	12/9/15 10:13 PM	FUSE_OH:C2436B-1416	Cross Arm	SOUTHERN	0.0051	0.000006	887
33990	open_point	12/8/15 10:33 PM	SANDY- WILDCAT	2	881	12/9/15 1:14 PM	OPEN POINT:NOT SET_3	High Winds	EASTERN	0.0020	0.000002	881
32468	fuse_oh	12/8/15 7:30 PM	LELAND-CARUS	1	873	12/9/15 10:03 AM	FUSE_OH:D3234C-18	High Winds	EASTERN	0.0010	0.000001	873
33046	point_of_service_oh	12/9/15 3:47 AM	RALEIGH HILLS- MONTCLAIR	1	855	12/9/15 6:02 PM	SP:7215 SW MONTCLAIR DR	Felled Tree / Limb	WESTERN	0.0010	0.000001	855
32758	fuse_oh	12/9/15 12:36	LELAND- BEAVERCREEK	4	851	12/9/15 2:46 PM	FUSE_OH:D3210A-1792	High Winds	EASTERN	0.0039	0.000005	851

32760	xfm_oh	AM	LELAND-BEAVERCREEK	1	838	12/9/15 2:41 PM	XFM_OH:A 15 22624	High Winds	EASTERN	0.0010	0.000001	838
34188	point_of_service_oh	12/9/15 4:54 AM	SANDY-SANDY I3	1	835	12/9/15 6:48 PM	SP-23101 SE FIRWOOD RD	High Winds	EASTERN	0.0010	0.000001	835
31519	point_of_service_oh	12/9/15 8:51 AM	WELCHES-ZIG ZAG	1	829	12/8/15 10:39 PM	SP-RD 10 LOT 16	High Winds	EASTERN	0.0010	0.000001	829
31853	fuse_oh	12/8/15 10:49 AM	RALEIGH HILLS-MONTCLAIR	17	822	12/9/15 12:31 AM	FUSE_OH:C1113C-4177	Primary Cable	WESTERN	0.0161	0.000020	822
32698	recloser_oh	12/8/15 7:20 PM	LELAND-CARUS	695	822	12/9/15 9:02 AM	RECL:2576	Limb on Line	EASTERN	0.6597	0.000803	822
32812	fuse_oh	12/9/15 2:06 AM	FARGO-FARGO I3	19	821	12/9/15 3:47 PM	FUSE_OH:C4108B-1033	Tree Uprooted	SOUTHERN	0.0180	0.000022	821
33738	point_of_service_oh	12/9/15 8:27 AM	MOLALLA-FOREST	1	806	12/9/15 9:53 PM	SP-31644 S GRIMM RD	Tree Uprooted	SOUTHERN	0.0009	0.000001	806
32726	point_of_service_oh	12/8/15 8:27 PM	BELL-BATTIN	2	791	12/9/15 9:38 AM	SP-7418 SE 71ST AVE	High Winds	EASTERN	0.0018	0.000002	791
32503	fuse_oh	12/8/15 8:12 PM	BELL-BATTIN	101	789	12/9/15 9:21 AM	FUSE_OH:D1220A-2	High Winds	EASTERN	0.0920	0.000117	789
32679	point_of_service_oh	12/8/15 9:50 PM	NEWBERG-CHEHALEM	1	787	12/9/15 10:56 AM	SP-9645 NE RED HILLS RD	Tree / Limb Burning	SOUTHERN	0.0009	0.000001	787
32471	point_of_service_oh	12/8/15 7:35 PM	COLTON-GRAYS HILL	1	785	12/9/15 8:40 AM	SP-28188 S COX RD	High Winds	SOUTHERN	0.0009	0.000001	785
33143	fuse_oh	12/9/15 3:52 AM	SILVERTON-NORTH	1	782	12/9/15 4:54 PM	FUSE_OH:C6133A-2767	High Winds	SOUTHERN	0.0009	0.000001	782
33861	primary_meter	12/9/15 5:34 AM	SILVERTON-SOUTH	1	781	12/9/15 6:35 PM	PM:381917878	Tree Uprooted	SOUTHERN	0.0009	0.000001	781
32808	point_of_service_oh	12/9/15 2:01 AM	ESTACADA-ESTACADA I3	3	773	12/9/15 2:54 PM	SP-28225 SE STARR RD	Tree Uprooted	EASTERN	0.0027	0.000003	773
32746	xfm_oh	12/9/15 12:14 AM	LELAND-CARUS	1	771	12/9/15 1:06 PM	XFM_OH:B 10 25020	Limb on Line	EASTERN	0.0009	0.000001	771
32589	point_of_service_oh	12/8/15 9:06 PM	GALES CREEK-GALES CREEK I3	14	768	12/9/15 9:54 AM	SP-2303 NW CREEKWOOD PL	Tree Uprooted	WESTERN	0.0124	0.000016	768
33524	point_of_service_oh	12/9/15 5:58 AM	SANDY-SANDY I3	1	764	12/9/15 6:42 PM	SP-22601 SE FIRWOOD RD	Other - Environment / Weather	EASTERN	0.0009	0.000001	764
32506	fuse_oh	12/8/15 8:14 PM	EAGLE CREEK-BARTON	183	747	12/9/15 8:42 AM	FUSE_OH:D2428B-3535	Fuse / Cutout	EASTERN	0.1579	0.000211	747
33534	point_of_service_oh	12/9/15 6:04 AM	SILVERTON-SOUTH	1	746	12/9/15 6:31 PM	SP:Null_6	Tree Uprooted	SOUTHERN	0.0009	0.000001	746
34396	point_of_service_oh	12/9/15 2:33 PM	NEWBERG-NORTH COLLEGE	1	743	12/10/15 2:56 AM	SP:308 E OXFORD ST	Secondary Cable	SOUTHERN	0.0009	0.000001	743
32139	fuse_oh	12/8/15 5:02 PM	MULINO-SOUTH	4	739	12/9/15 5:21 AM	FUSE_OH:D4216D-229_I	High Winds	EASTERN	0.0034	0.000005	739
33577	point_of_service_oh	12/9/15 6:34 AM	RAMAPO-RAMAPO I3	1	725	12/9/15 6:39 PM	SP-14226 SE FOSTER RD	High Winds	EASTERN	0.0008	0.000001	725
31453	fuse_oh	12/8/15 4:21 AM	NEWBERG-CHEHALEM	36	724	12/8/15 4:25 PM	FUSE_OH:C3309C-767	Tree Uprooted	SOUTHERN	0.0301	0.000042	724
33372	fuse_oh	12/9/15 4:18 AM	ABERNETHY-CLACKAMAS HEIGHTS	9	723	12/9/15 4:21 PM	FUSE_OH:D2221C-1940	High Winds	EASTERN	0.0075	0.000010	723
33572	point_of_service_oh	12/9/15	MULTNOMAH-HEIGHTS	2	721	12/9/15	SP-9207 SW 43RD AVE	OH Connector / Clamp	EASTERN	0.0017	0.000002	721



	3:59 AM	13181	43	717	3:59 PM		/ Jumper		0.0356	0.000050	717
33390	fuse_oh	12/9/15 12:12 AM	PLEASANT VALLEY-MOON		12/9/15 12:09 PM	FUSE_OH:DI1329A-8777	Primary Conductor	EASTERN	0.0356	0.000050	717
33371	fuse_oh	12/9/15 4:17 AM	AMITY-BELLEVUE	19	12/9/15 4:00 PM	FUSE_OH:C6510B-12	Limb on Line	SOUTHERN	0.0154	0.000022	703
32822	xfm_oh	12/9/15 2:54 AM	BANKS-CEDAR CANYON	2	12/9/15 2:37 PM	XFM_OH:C 15 27704	Flooding	WESTERN	0.0016	0.000002	702
33566	point_of_service_oh	12/9/15 4:11 AM	BRIGHTWOOD-BRIGHTWOOD 13	17	12/9/15 3:48 PM	SP:63400 E OLD COUNTY RD	Limb on Line	EASTERN	0.0137	0.000020	696
32821	fuse_oh	12/9/15 2:53 AM	BANKS-CEDAR CANYON	14	12/9/15 2:26 PM	FUSE_OH:B2433A-626_1	Other - Environment / Weather	WESTERN	0.0112	0.000016	693
31875	xfm_oh	12/8/15 11:04 AM	RIVERGATE SOUTH-11010	2	12/8/15 10:35 PM	XFM_OH:C 25 52658 B 25 52660 A 25 52659	Other - Animal	EASTERN	0.0016	0.000002	691
32865	point_of_service_oh	12/9/15 3:34 AM	GLENCOE-SUNNYSIDE	1	12/9/15 3:02 PM	SP:2932 NE GLISAN ST	High Winds	EASTERN	0.0008	0.000001	687
33485	point_of_service_oh	12/9/15 3:53 AM	MOLALLA-MARQUAM	46	12/9/15 3:12 PM	SP:16897 S CALLAHAN RD	High Winds	SOUTHERN	0.0360	0.000053	679
33397	xfm_oh	12/9/15 4:28 AM	CENTENNIAL-TREELAND	8	12/9/15 3:41 PM	XFM_OH:B 50 6432	Limb on Line	EASTERN	0.0062	0.000009	673
33797	point_of_service_oh	12/9/15 8:54 AM	SANDY-WILDCAT	1	12/9/15 8:06 PM	SP:46360 SE ROCKY POINT CT	High Winds	EASTERN	0.0008	0.000001	672
32820	fuse_oh	12/9/15 2:44 AM	MAIN-AIRPORT	34	12/9/15 1:43 PM	FUSE_OH:B1232B-1968	Other - Underground Hardware Failure	WESTERN	0.0258	0.000039	658
32655	load_break_disc_oh	12/8/15 8:36 PM	ARLETA-FOSTER	1383	12/9/15 7:23 AM	SW_OHLB:1444	Limb on Line	EASTERN	1.0319	0.001597	646
33484	recloser_oh	12/9/15 7:35 AM	SANDY-SANDY 13	258	12/9/15 6:07 PM	RECL:3372	High Winds	EASTERN	0.1883	0.000298	632
33454	fuse_oh	12/9/15 5:01 AM	NEWBERG-CHEHALEM	36	12/9/15 3:31 PM	FUSE_OH:C3309C-767	High Winds	SOUTHERN	0.0262	0.000042	629
34060	xfm_oh	12/9/15 11:23 AM	MULTNOMAH-13181	15	12/9/15 9:49 PM	XFM_OH:B 50 2720	High Winds	EASTERN	0.0109	0.000017	627
34317	fuse_oh	12/9/15 11:47 AM	GLENCULLEN-BRIDLEMILE	50	12/9/15 10:09 PM	FUSE_OH:DI108A-59	Tree Uprooted	EASTERN	0.0359	0.000058	622
34080	point_of_service_oh	12/9/15 11:38 AM	WELCHES-ZIG ZAG	1	12/9/15 9:54 PM	SP:RD 30B LOT 7	Other - Environment / Weather	EASTERN	0.0007	0.000001	617
33440	point_of_service_oh	12/9/15 4:50 AM	LELAND-CARUS	1	12/9/15 3:05 PM	SP:20581 S UPPER HIGHLAND RD	Tree Uprooted	EASTERN	0.0007	0.000001	615
33535	point_of_service_oh	12/9/15 6:06 AM	SCOTT'S MILLS-SCOTT'S MILLS 13	1	12/9/15 4:16 PM	SP:15085 S BUTTE CREEK RD	Tree Uprooted	SOUTHERN	0.0007	0.000001	610
33327	fuse_oh	12/9/15 4:05 AM	DENNY-EAST	5	12/9/15 2:15 PM	FUSE_OH:C1123A-29	High Winds	WESTERN	0.0035	0.000006	609
32578	fuse_oh	12/8/15 8:57 PM	MIDWAY-DOUGLAS	19	12/9/15 7:06 AM	FUSE_OH:DI202A-6251	Limb on Line	EASTERN	0.0133	0.000022	608
31768	point_of_service_oh	12/8/15 10:43 AM	SELLWOOD-KELLOGG PARK	1	12/8/15 8:51 PM	SP:2723 SE OLSEN ST	Flooding	EASTERN	0.0007	0.000001	607
33512	point_of_service_oh	12/9/15 5:47 AM	HARBORITON-BURLINGTON	1	12/9/15 3:53 PM	SP:13825 NW CHARLTON RD_2	High Winds	EASTERN	0.0007	0.000001	606
33383	recloser_oh	12/9/15 4:11 AM	BRIGHTWOOD-NORTH BANK	43	12/9/15 2:11 PM	RECL:7350	High Winds	EASTERN	0.0298	0.000050	600

34164	point_of_service_oh	12/9/15 4:10 AM	MOLALLA- YODER	2	588	12/9/15 1:58 PM	SP-13963 S VICK RD	Tree Uprooted	SOUTHERN	0.0014	0.000002	588
33576	point_of_service_oh	12/9/15 6:34 AM	SCOTT'S MILLS- SCOTT'S MILLS 13	1	580	12/9/15 4:14 PM	SP-11525 S BUTTE CREEK RD	Tree Uprooted	SOUTHERN	0.0007	0.000001	580
33545	xfm_oh	12/9/15 6:14 AM	MULINO-SOUTH	5	575	12/9/15 3:49 PM	XFM_OH:C 25 12736	Limb on Line	EASTERN	0.0033	0.000006	575
32815	fuse_oh	12/9/15 2:17 AM	CLACKAMAS- TOLBERT	1	574	12/9/15 11:50 AM	FUSE_OH:D2209B-4573	High Winds	EASTERN	0.0007	0.000001	574
32003	point_of_service_oh	12/8/15 2:18 PM	DUNNS CORNER-DUNNS CORNER 13	3	572	12/8/15 11:50 PM	SP-13551 SE ORIENT DR	Other - Environment / Weather	EASTERN	0.0020	0.000003	572
31907	fuse_oh	12/8/15 11:42 AM	SILVERTON- WEST	2	571	12/8/15 9:14 PM	FUSE_OH:D7132B-113	High Winds	SOUTHERN	0.0013	0.000002	571
33167	fuse_oh	12/9/15 3:54 AM	REDLAND- REDLAND 13	7	569	12/9/15 1:23 PM	FUSE_OH:D2321C-638	High Winds	EASTERN	0.0046	0.000008	569
33639	xfm_oh	12/9/15 7:32 AM	SILVERTON- NORTH	1	564	12/9/15 4:56 PM	XFM_OH:C 15 15833	High Winds	SOUTHERN	0.0007	0.000001	564
31447	point_of_service_oh	12/8/15 3:00 AM	GLENDOVER- NORTHEAST	25	561	12/8/15 12:21 PM	SP-15010 NE ROSE PKWY	Submersible Transformer	EASTERN	0.0162	0.000029	561
33313	point_of_service_oh	12/9/15 4:04 AM	TIGARD-TIGARD 13	1	557	12/9/15 1:21 PM	SP-13430 SW 107TH AVE	High Winds	WESTERN	0.0006	0.000001	557
33847	point_of_service_oh	12/9/15 9:18 AM	SILVERTON- SOUTH	1	555	12/9/15 6:33 PM	SP-22444 NORTH FORK RD SE	Tree Uprooted	SOUTHERN	0.0006	0.000001	555
32884	point_of_service_oh	12/9/15 3:37 AM	ST LOUIS-WEST	1	555	12/9/15 12:51 PM	SP-4328 MARTHALER RD NE	Fuse / Cutout	SOUTHERN	0.0006	0.000001	555
31457	fuse_oh	12/8/15 4:43 AM	HOGAN NORTH- HOGAN NORTH 13	303	546	12/8/15 1:49 PM	FUSE_OH:D1327A-2	Flooding	EASTERN	0.1909	0.000350	546
33583	point_of_service_oh	12/9/15 6:42 AM	MOLALLA- YODER	1	534	12/9/15 3:36 PM	SP-30830 S KAUFFMAN RD	High Winds	SOUTHERN	0.0006	0.000001	534
32030	fuse_oh	12/8/15 2:58 PM	DUNNS CORNER-DUNNS CORNER 13	114	529	12/8/15 11:47 PM	FUSE_OH:D2404B-1392	Car Hit Equipment	EASTERN	0.0696	0.000132	529
33192	fuse_oh	12/9/15 3:56 AM	ORIENT- BARLOW	2	527	12/9/15 12:42 PM	FUSE_OH:D1408C-1093	High Winds	EASTERN	0.0012	0.000002	527
33905	xfm_oh	12/9/15 6:31 AM	SANDY-SANDY 13	2	524	12/9/15 3:15 PM	XFM_OH:C 15 8736	OH Connector / Clamp / Jumper	EASTERN	0.0012	0.000002	524
32855	xfm_oh	12/9/15 3:33 AM	WOODBURN- WEST	8	522	12/9/15 12:15 PM	XFM_OH:A 25 94341	High Winds	SOUTHERN	0.0048	0.000009	522
33340	point_of_service_oh	12/9/15 4:08 AM	ST LOUIS-WEST	1	520	12/9/15 12:49 PM	SP-4306 MARTHALER RD NE	Limb on Line	SOUTHERN	0.0006	0.000001	520
33019	fuse_oh	12/9/15 3:31 AM	FAIRMOUNT- MISSION	194	516	12/9/15 12:08 PM	FUSE_OH:C8411D-126	High Winds	SOUTHERN	0.1157	0.000224	516
31470	point_of_service_oh	12/8/15 5:13 AM	HOGAN NORTH- HOGAN NORTH 13	1	515	12/8/15 1:47 PM	SP-9090 SE 242ND AVE	Tree Uprooted	EASTERN	0.0006	0.000001	515
32945	fuse_oh	12/9/15 3:41 AM	RAMAPO- RAMAPO 13	114	514	12/9/15 12:15 PM	FUSE_OH:D1222A-4365	High Winds	EASTERN	0.0676	0.000132	514
32534	fuse_oh	12/8/15 8:30 PM	MULINO-SOUTH	8	508	12/9/15 4:58 AM	FUSE_OH:D4227B-67	Limb on Line	EASTERN	0.0047	0.000009	508
31988	fuse_oh	12/8/15 1:59 PM	SCOGGINS- CHERRY GROVE	1	508	12/8/15 10:27 PM	FUSE_OH:C1430C-538	Primary Cable	WESTERN	0.0006	0.000001	508
31590	point_of_service_oh	12/8/15 10:08 AM	BRIGHTWOOD- NORTH BANK	1	503	12/8/15 6:32 PM	SP-64783 E LUPINE DR	Secondary Cable	EASTERN	0.0006	0.000001	503

Attachment A Summary  
of Outages 5 Hours and Longer PGE  
Service Territory December 8<sup>th</sup>-9<sup>th</sup>, 2015

33973	point_of_service_oh	12/9/15 8:17 AM	SCOGGINS- CHERRY GROVE	2	503	12/9/15 4:40 PM	SP:END LEE FALLS RD 2.8 MI	High Winds	WESTERN	0.0012	0.000002	503
33197	point_of_service_oh	12/9/15 3:56 AM	SULLIVAN- SALAMO	1	500	12/9/15 12:16 PM	SP:22445 SW JOHNSON RD	Other - Environment / Weather	EASTERN	0.0006	0.000001	500
33392	fuse_oh	12/9/15 4:24 AM	RALEIGH HILLS- OLESON	7	500	12/9/15 12:43 PM	FUSE_OH:D1107D-7804	Limb on Line	WESTERN	0.0040	0.000008	500
34451	point_of_service_oh	12/9/15 7:59 AM	TABOR-TABOR 13	1	499	12/9/15 4:18 PM	SP:2346 SE 55TH AVE	High Winds	EASTERN	0.0006	0.000001	499
32093	xfm_pm	12/8/15 4:18 PM	RALEIGH HILLS- MONTCLAIR	5	494	12/9/15 12:32 AM	XFM_UG:B 50 8115	Other - Environment / Weather	WESTERN	0.0029	0.000006	494
33674	xfm_oh	12/9/15 7:52 AM	CANBY- BUTTEVILLE	3	493	12/9/15 4:06 PM	XFM_OH:A 37.5 6913	Limb on Line	SOUTHERN	0.0017	0.000003	493
33368	fuse_oh	12/9/15 4:16 AM	MOLALLA- FOREST	32	489	12/9/15 12:25 PM	FUSE_OH:D4236C-164	Tree / Limb Burning	SOUTHERN	0.0181	0.000037	489
32775	xfm_oh	12/9/15 12:55 AM	REDLAND- HENRICI	1	488	12/9/15 9:02 AM	XFM_OH:C 15 50145	High Winds	EASTERN	0.0006	0.000001	488
33841	point_of_service_oh	12/9/15 9:17 AM	BELL- SOUTHGATE	1	483	12/9/15 5:20 PM	SP:Null_1	Unplanned - Safety	EASTERN	0.0006	0.000001	483
32761	recloser_oh	12/9/15 12:45 AM	REDLAND- HENRICI	212	478	12/9/15 8:43 AM	RECL:1246	High Winds	EASTERN	0.1171	0.000245	478
33787	point_of_service_oh	12/9/15 8:48 AM	MOLALLA- FOREST	1	477	12/9/15 4:44 PM	SP:28904 S ROYAL OAKS DR	High Winds	SOUTHERN	0.0006	0.000001	477
32838	fuse_oh	12/9/15 3:29 AM	RALEIGH HILLS- MONTCLAIR	38	472	12/9/15 11:21 AM	FUSE_OH:C1113D- 5556_1	Other - Environment / Weather	WESTERN	0.0207	0.000044	472
33006	recloser_oh	12/9/15 3:45 AM	MULINO-SOUTH	112	471	12/9/15 11:37 AM	RECL:4152	High Winds	EASTERN	0.0609	0.000129	471
31489	fuse_oh	12/8/15 7:40 AM	WOODBURN- EAST	1	468	12/8/15 3:28 PM	FUSE_OH:C5128D-1671	OH Connector / Clamp / Jumper	SOUTHERN	0.0005	0.000001	468
33496	point_of_service_oh	12/9/15 5:28 AM	SANDY-SANDY 13	1	466	12/9/15 1:15 PM	SP:45554 SE DOWLING RD	High Winds	EASTERN	0.0005	0.000001	466
32935	recloser_oh	12/9/15 3:34 AM	MERIDIAN- MERIDIAN 13	565	466	12/9/15 11:20 AM	RECL:3498	High Winds	WESTERN	0.3040	0.000652	466
32490	fuse_oh	12/8/15 8:02 PM	MULINO-SOUTH	15	466	12/9/15 3:48 AM	FUSE_OH:D4234A-816	Limb on Line	EASTERN	0.0081	0.000017	466
34360	fuse_oh	12/9/15 2:12 PM	MOLALLA- FOREST	1	463	12/9/15 9:55 PM	FUSE_OH:D5307C-91	Tree Uprooted	SOUTHERN	0.0005	0.000001	463
34362	point_of_service_oh	12/9/15 2:14 PM	HARBORTON- LINNTON	2	461	12/9/15 9:55 PM	SP:5944 NW SALTZMAN RD	Tree Uprooted	EASTERN	0.0011	0.000002	461
32781	xfm_oh	12/9/15 1:04 AM	REDLAND- HENRICI	1	461	12/9/15 8:45 AM	XFM_OH:C 15 65958	High Winds	EASTERN	0.0005	0.000001	461
32666	point_of_service_oh	12/8/15 9:35 PM	REDLAND- HENRICI	2	461	12/9/15 5:16 AM	SP:19991 S POLEHN DR	High Winds	EASTERN	0.0011	0.000002	461
33828	point_of_service_oh	12/9/15 9:10 AM	MT PLEASANT- RIVERCREST	1	460	12/9/15 4:50 PM	SP:17855 S ALDEN ST	Tree Uprooted	EASTERN	0.0005	0.000001	460
31502	point_of_service_oh	12/8/15 8:24 AM	LENITS-HAPPY VALLEY	1	460	12/8/15 4:04 PM	SP:10515 SE FLAVEL ST	Other - Underground Hardware Failure	EASTERN	0.0005	0.000001	460
32224	point_of_service_oh	12/8/15 5:42 PM	LELAND-CARUS	1	449	12/9/15 1:11 AM	SP:18373 S WINDY CITY RD	Limb on Line	EASTERN	0.0005	0.000001	449
32804	point_of_service_oh	12/9/15 1:57 AM	BELL-BATTIN	1	445	12/9/15 9:22 AM	SP:7438 SE 71ST AVE	High Winds	EASTERN	0.0005	0.000001	445
32879	xfm_oh	12/9/15 3:36 AM	SULLIVAN- TANNER	2	442	12/9/15 10:58 AM	XFM_OH:A 15 28860	High Winds	EASTERN	0.0010	0.000002	442
33412	fuse_oh	12/9/15 4:33 AM	WILSONVILLE- BOECKMAN	4	442	12/9/15 11:54 AM	FUSE_OH:D3106B-1280	High Winds	WESTERN	0.0020	0.000005	442

32823	fuse_oh	12/9/15 3:05 AM	MOLALLA- FOREST	54	440	12/9/15 10:26 AM	FUSE_OH:D4316C-124	Limb on Line	EASTERN	0.0275	0.000062	440
32874	xfm_oh	12/9/15 3:35 AM	DENNY-EAST	5	439	12/9/15 10:54 AM	XFM_OH:C 25 92821	High Winds	WESTERN	0.0025	0.000006	439
34415	point_of_service_oh	12/9/15 2:44 PM	HARMONY- MILWAUKIE	1	436	12/9/15 10:00 PM	SP:12951 SE RUSK RD	Flooding	EASTERN	0.0005	0.000001	436
32784	fuse_oh	12/9/15 1:28 AM	REDLAND- HENRICI	15	434	12/9/15 8:42 AM	FUSE_OH:D3323B-70	High Winds	EASTERN	0.0075	0.000017	434
33699	point_of_service_oh	12/9/15 8:10 AM	MULINO-SOUTH	1	431	12/9/15 3:20 PM	SP:26800 S BITZ RD_1	High Winds	EASTERN	0.0005	0.000001	431
33417	point_of_service_oh	12/9/15 4:36 AM	ST LOUIS-WEST	1	431	12/9/15 11:46 AM	SP:3988 DAVIDSON RD NE	High Winds	SOUTHERN	0.0005	0.000001	431
33413	point_of_service_oh	12/9/15 4:33 AM	ARLETA- HAROLD	1	427	12/9/15 11:41 AM	SP:4829 SE 60TH AVE	Limb on Line	EASTERN	0.0005	0.000001	427
32834	src_br	12/9/15 3:28 AM	MULTNOMAH- 13177	3430	423	12/9/15 10:31 AM	BKR:MULTNOMAH R106	Other - Substation Equipment Failure	EASTERN	1.6763	0.003961	423
33405	point_of_service_oh	12/9/15 4:31 AM	MULINO-SOUTH	1	423	12/9/15 11:35 AM	SP:16001 S UNION MILLS RD	High Winds	EASTERN	0.0005	0.000001	423
32839	fuse_oh	12/9/15 3:29 AM	SYLVAN- BARNES	21	423	12/9/15 10:32 AM	FUSE_OH:D1106C-648	High Winds	WESTERN	0.0102	0.000024	423
33598	point_of_service_oh	12/9/15 7:01 AM	TABOR-82ND	1	420	12/9/15 2:02 PM	SP:305 NE 61ST AVE	High Winds	EASTERN	0.0005	0.000001	420
32779	xfm_pm	12/9/15 1:02 AM	ESTACADA- ESTACADA 13	2	417	12/9/15 7:59 AM	XFM_UG:C 15 41504	High Winds	EASTERN	0.0010	0.000002	417
33418	point_of_service_oh	12/9/15 4:36 AM	MULINO-SOUTH	1	417	12/9/15 11:33 AM	SP:16122 S UNION MILLS RD	High Winds	EASTERN	0.0005	0.000001	417
32853	fuse_oh	12/9/15 3:33 AM	MULTNOMAH- 13181	49	415	12/9/15 10:28 AM	FUSE_OH:D1120B-3	High Winds	EASTERN	0.0235	0.000057	415
32825	fuse_oh	12/9/15 3:09 AM	HILLSBORO- LAUREL	24	414	12/9/15 10:03 AM	FUSE_OH:C1328B-580	High Winds	WESTERN	0.0115	0.000028	414
33377	point_of_service_oh	12/9/15 4:19 AM	RIVERGATE SOUTH-SWIFT	1	412	12/9/15 11:11 AM	SP:9125 N TIME OIL RD	Tree Uprooted	EASTERN	0.0005	0.000001	412
32197	xfm_pm	12/8/15 5:28 PM	LIBERTY- MORNINGSIDE	3	410	12/9/15 12:18 AM	XFM_UG:B 50 13453	Fuse / Cutout	SOUTHERN	0.0014	0.000003	410
33446	fuse_oh	12/9/15 4:55 AM	COLTON- DHOOGHE	45	406	12/9/15 11:41 AM	FUSE_OH:D5306A-312	High Winds	SOUTHERN	0.0211	0.000052	406
32850	fuse_oh	12/9/15 3:32 AM	RALEIGH HILLS- DOGWOOD	286	400	12/9/15 10:12 AM	FUSE_OH:C113B-18	Limb on Line	WESTERN	0.1320	0.000330	400
33765	point_of_service_oh	12/9/15 8:37 AM	ESTACADA- FARADAY	1	398	12/9/15 3:14 PM	SP:22641 S DAY HILL RD	Fuse / Cutout	EASTERN	0.0005	0.000001	398
33407	fuse_oh	12/9/15 4:32 AM	COLTON- DHOOGHE	11	397	12/9/15 11:09 AM	FUSE_OH:D5305B-975	Tree Uprooted	SOUTHERN	0.0050	0.000013	397
32833	recloser_oh	12/9/15 3:15 AM	HARBORTON- BURLINGTON	70	395	12/9/15 9:50 AM	RECL:6558	Recloser / Sectionalizer	EASTERN	0.0319	0.000081	395
33432	point_of_service_oh	12/9/15 4:46 AM	MOLALLA- YODER	1	395	12/9/15 11:21 AM	SP:31021 S KAUFFMAN RD	High Winds	SOUTHERN	0.0005	0.000001	395
33456	point_of_service_oh	12/9/15 4:29 AM	HILLSBORO- LAUREL	7	394	12/9/15 11:03 AM	SP:39588 SW SNOWCREST DR	High Winds	WESTERN	0.0032	0.000008	394
34490	point_of_service_oh	12/9/15 3:35 PM	SANDY- WILDCAT	1	389	12/9/15 10:04 PM	SP:25305 SE FIRWOOD RD	High Winds	EASTERN	0.0004	0.000001	389
33842	point_of_service_oh	12/9/15 9:17 AM	DUNNS CORNER-DUNNS CORNER 13	1	388	12/9/15 3:45 PM	SP:44380 SE TUCKRIDGE RD	Tree Uprooted	EASTERN	0.0004	0.000001	388
33554	xfm_oh	12/9/15 6:22 AM	ST LOUIS-WEST	1	386	12/9/15 12:48 PM	XFM_OH:C 15 11547	Limb on Line	SOUTHERN	0.0004	0.000001	386
33435	point_of_service_oh	12/9/15 4:48 AM	JENNINGS LODGE-	1	384	12/9/15 11:13 AM	SP:6320 SE ROETHE RD	High Winds	EASTERN	0.0004	0.000001	384

32748	load_break_disc_oh	12/9/15 7:05 AM	WEBSTER	580	380	12/9/15 1:25 PM	SW_OHLB:3375	High Winds	EASTERN	0.2545	0.000670	380
33570	xfm_oh	12/9/15 6:31 AM	SANDY- WILDCAT	1	378	12/9/15 12:49 PM	XFM_OH:A 10 50469	Limb on Line	SOUTHERN	0.0004	0.000001	378
33704	point_of_service_oh	12/9/15 8:11 AM	INDIAN-LABISH	1	375	12/9/15 2:26 PM	SP:4292 DOVER AV NE	Tree Uprooted	SOUTHERN	0.0004	0.000001	375
33353	fuse_oh	12/9/15 4:11 AM	SANDY-362ND	61	374	12/9/15 10:25 AM	FUSE_OH:D2422A-679	High Winds	EASTERN	0.0264	0.000070	374
32549	fuse_oh	12/8/15 8:37 PM	MOLALLA- FOREST	2	372	12/9/15 2:49 AM	FUSE_OH:D4328B-143	High Winds	EASTERN	0.0009	0.000002	372
33402	xfm_oh	12/9/15 4:31 AM	ST LOUIS-WEST	2	371	12/9/15 10:42 AM	XFM_OH:C 10 18016 A 25 21333 B 10 29065	High Winds	SOUTHERN	0.0009	0.000002	371
33497	point_of_service_oh	12/9/15 5:29 AM	COLTON- DHOOGHE	1	371	12/9/15 11:40 AM	SP:30853 S MARIAN ST	High Winds	SOUTHERN	0.0004	0.000001	371
33769	point_of_service_oh	12/9/15 8:38 AM	GLENCOE- SUNNYSIDE	1	371	12/9/15 2:48 PM	SP:35 SE LAURELHURST PL	High Winds	EASTERN	0.0004	0.000001	371
32836	fuse_oh	12/9/15 3:27 AM	TIGARD-TIGARD 13	115	370	12/9/15 9:37 AM	FUSE_OH:C2102C-1870	High Winds	WESTERN	0.0491	0.000133	370
31899	fuse_oh	12/8/15 11:30 AM	SCOGGINS- LAURELWOOD	4	368	12/8/15 5:38 PM	FUSE_OH:C1435A-140	Other - Pole Hardware Failure	WESTERN	0.0017	0.000005	368
33403	point_of_service_oh	12/9/15 4:31 AM	SYLVAN- PATTON	1	366	12/9/15 10:37 AM	SP:7760 SW COPEL ST	Tree Uprooted	WESTERN	0.0004	0.000001	366
33956	xfm_pm	12/9/15 10:18 AM	NORTH PLAINS- NORTH PLAINS 13	1	365	12/9/15 4:23 PM	XFM_UG:A 15 45528	Secondary Cable	WESTERN	0.0004	0.000001	365
33500	point_of_service_oh	12/9/15 5:35 AM	COLTON- DHOOGHE	1	364	12/9/15 11:39 AM	SP:30602 S ROARING BULL LN	High Winds	SOUTHERN	0.0004	0.000001	364
33320	fuse_oh	12/9/15 4:05 AM	BORING- TELFORD	40	364	12/9/15 10:08 AM	FUSE_OH:D2315C-1152	High Winds	EASTERN	0.0168	0.000046	364
34012	xfm_oh	12/9/15 10:52 AM	SILVERTON- NORTH	1	364	12/9/15 4:56 PM	XFM_OH:C 15 8391	High Winds	SOUTHERN	0.0004	0.000001	364
32464	fuse_oh	12/8/15 7:23 PM	BARNES- COMMERCIAL	2	363	12/9/15 1:26 AM	FUSE_OH:C8314D-3322	Tree Uprooted	SOUTHERN	0.0008	0.000002	363
33966	point_of_service_oh	12/9/15 10:24 AM	RALEIGH HILLS- DOGWOOD	1	361	12/9/15 4:25 PM	SP:4380 SW 96TH AVE	High Winds	WESTERN	0.0004	0.000001	361
34006	point_of_service_oh	12/9/15 10:48 AM	BELL-WICHITA	1	360	12/9/15 4:47 PM	SP:3130 SE BYBEE BLVD	High Winds	EASTERN	0.0004	0.000001	360
32275	point_of_service_oh	12/8/15 6:03 PM	MT PLEASANT- MT VIEW	3	359	12/9/15 12:03 AM	SP:15421 S HILL VALLEY LN	High Winds	EASTERN	0.0012	0.000003	359
33659	fuse_oh	12/9/15 7:33 AM	CENTENNIAL- TRELAND	292	353	12/9/15 1:26 PM	FUSE_OH:D1212B-7591	Limb on Line	EASTERN	0.1189	0.000337	353
33338	point_of_service_oh	12/9/15 4:07 AM	FAIRMOUNT- MISSION	1	352	12/9/15 10:00 AM	SP:3095 MONTAIGNE LN S	Tree Uprooted	SOUTHERN	0.0004	0.000001	352
33656	point_of_service_oh	12/9/15 7:44 AM	RAMAPO- EMERALD	1	350	12/9/15 1:34 PM	SP:3208 SE 116TH AVE	High Winds	EASTERN	0.0004	0.000001	350
34500	xfm_oh	12/9/15 3:46 PM	SCOGGINS- LAURELWOOD	1	349	12/9/15 9:35 PM	XFM_OH:A 15 55960	High Winds	WESTERN	0.0004	0.000001	349
31571	point_of_service_oh	12/8/15 9:50 AM	HOGAN NORTH- HOGAN NORTH 13	1	349	12/8/15 3:39 PM	SP:10972 SE 242ND AVE	Secondary Conductor	EASTERN	0.0004	0.000001	349
33954	rectloser_oh	12/9/15	ESTACADA-	449	347	12/9/15	RECL:2371	OH Connector / Clamp	EASTERN	0.1800	0.000518	347

		8:16 AM	FARADAY		76	345	2:03 PM	/ Jumper		0.0303	0.000088	345
33155	fuse_oh	12/9/15 3:53 AM	MERIDIAN- MERIDIAN 13			345	12/9/15 9:38 AM	High Winds	WESTERN	0.0303	0.000088	345
33636	point_of_service_oh	12/9/15 7:29 AM	MERIDIAN- MERIDIAN 13	1	1	344	12/9/15 1:13 PM	Other - Environment / Weather	WESTERN	0.0004	0.000001	344
33884	point_of_service_oh	12/9/15 9:32 AM	MOLALLA- MARQUAM	1	1	343	12/9/15 3:15 PM	High Winds	SOUTHERN	0.0004	0.000001	343
33544	point_of_service_oh	12/9/15 6:12 AM	CLACKAMAS- TOLBERT	1	1	339	12/9/15 11:50 AM	High Winds	EASTERN	0.0004	0.000001	339
34613	point_of_service_oh	12/9/15 6:32 PM	NEWBERG- CHEHALEM	1	1	334	12/10/15 12:06 AM	Tree / Limb Burning	SOUTHERN	0.0004	0.000001	334
32478	fuse_oh	12/8/15 7:48 PM	SCOGGINS- LAURELWOOD	4	4	333	12/9/15 1:21 AM	High Winds	WESTERN	0.0015	0.000005	333
33647	point_of_service_oh	12/9/15 7:37 AM	RAMAPO- EMERALD	1	1	331	12/9/15 1:08 PM	High Winds	EASTERN	0.0004	0.000001	331
33931	point_of_service_oh	12/9/15 10:02 AM	NEWBERG- CHEHALEM	1	1	329	12/9/15 3:31 PM	High Winds	SOUTHERN	0.0004	0.000001	329
31494	fuse_oh	12/8/15 8:05 AM	WELCHES-ZIG ZAG	16	16	328	12/8/15 1:33 PM	Primary Conductor	EASTERN	0.0061	0.000018	328
34029	point_of_service_oh	12/9/15 11:04 AM	HARBORTON- BURLINGTON	1	1	326	12/9/15 4:30 PM	High Winds	EASTERN	0.0004	0.000001	326
31517	point_of_service_oh	12/8/15 8:48 AM	SUMMIT- SUMMIT 13	1	1	325	12/8/15 2:14 PM	Limb on Line	EASTERN	0.0004	0.000001	325
32187	fuse_oh	12/8/15 5:22 PM	ORIENT-ORIENT 13	26	26	325	12/8/15 10:47 PM	High Winds	EASTERN	0.0098	0.000030	325
34170	fuse_oh	12/9/15 12:37 PM	GRAND RONDE- FORTHILL	3	3	324	12/9/15 6:00 PM	High Winds	SOUTHERN	0.0011	0.000003	324
33718	point_of_service_oh	12/9/15 8:19 AM	ESTACADA- FARADAY	1	1	323	12/9/15 1:42 PM	High Winds	EASTERN	0.0004	0.000001	323
33744	point_of_service_oh	12/9/15 8:30 AM	MERIDIAN- MERIDIAN 13	1	1	323	12/9/15 1:53 PM	Other - Environment / Weather	WESTERN	0.0004	0.000001	323
34008	point_of_service_oh	12/9/15 10:48 AM	HARBORTON- BURLINGTON	1	1	322	12/9/15 4:10 PM	High Winds	EASTERN	0.0004	0.000001	322
32192	fuse_oh	12/8/15 5:26 PM	LIBERTY- MORNINGSIDE	72	72	321	12/8/15 10:47 PM	High Winds	SOUTHERN	0.0267	0.000083	321
32875	recloser_oh	12/9/15 3:36 AM	BELL-WICHITA	1466	1466	321	12/9/15 8:57 AM	Recloser / Sectionalizer	EASTERN	0.5431	0.001693	321
34544	xfm_oh	12/9/15 4:33 PM	WELCHES-ZIG ZAG	4	4	320	12/9/15 9:53 PM	High Winds	EASTERN	0.0015	0.000005	320
33546	point_of_service_oh	12/9/15 6:14 AM	MULINO-SOUTH	1	1	319	12/9/15 11:34 AM	High Winds	EASTERN	0.0004	0.000001	319
33128	fuse_oh	12/9/15 3:51 AM	CLACKAMAS- TOLBERT	32	32	319	12/9/15 9:10 AM	Limb on Line	EASTERN	0.0118	0.000037	319
33561	fuse_oh	12/9/15 6:25 AM	COLTON- DHOOGHE	6	6	316	12/9/15 11:40 AM	High Winds	SOUTHERN	0.0022	0.000007	316
33169	point_of_service_oh	12/9/15 3:54 AM	BELL-WICHITA	1	1	315	12/9/15 9:09 AM	Primary Conductor	EASTERN	0.0004	0.000001	315
34256	fuse_oh	12/9/15 11:16 AM	MULTNOMAH- 13181	4	4	313	12/9/15 4:29 PM	High Winds	EASTERN	0.0014	0.000005	313
32878	src_br	12/9/15 3:36 AM	GLENCULLEN- BRIDLEMILE	2389	2389	312	12/9/15 8:48 AM	Other - Environment / Weather	EASTERN	0.8609	0.002759	312

Attachment A Summary  
of Outages 5 Hours and Longer PGE  
Service Territory December 8<sup>th</sup>, 9<sup>th</sup>, 2015

32860	fuse_oh	12/9/15 3:33 AM	WALLACE- WALLACE 13	1	312	12/9/15 8:45 AM	FUSE_OH:C6422A-296	High Winds	SOUTHERN	0.0004	0.0000001	312
33164	scada_src_br	12/9/15 3:54 AM	SWAN ISLAND- GOING	52	311	12/9/15 9:04 AM	SC-BKR:SWAN ISLAND R116	Tree Uprooted	EASTERN	0.0187	0.0000060	311
33943	fuse_oh	12/9/15 10:12 AM	MULINO-SOUTH	1	308	12/9/15 3:20 PM	FUSE_OH:D4235B-55	Tree Uprooted	EASTERN	0.0004	0.0000001	308
32835	recloser_oh	12/9/15 3:28 AM	WACONDA- RIVER	178	306	12/9/15 8:35 AM	RECL-2590	Limb on Line	SOUTHERN	0.0630	0.000206	306
34035	xfm_oh	12/9/15 11:10 AM	SCOTT'S MILLS- SCOTT'S MILLS 13	1	305	12/9/15 4:14 PM	XFM_OH:B 10 26838	High Winds	SOUTHERN	0.0004	0.0000001	305
33533	point_of_service_oh	12/9/15 6:04 AM	COLTON- DHOOGHE	1	305	12/9/15 11:08 AM	SP:30755 S MARIAN ST	Tree Uprooted	SOUTHERN	0.0004	0.0000001	305
31488	fuse_oh	12/8/15 7:29 AM	BRIGHTWOOD- BRIGHTWOOD 13	4	302	12/8/15 12:31 PM	FUSE_OH:D2625A-684	High Winds	EASTERN	0.0014	0.0000005	302
34485	point_of_service_oh	12/9/15 3:23 PM	MERIDIAN- MERIDIAN 13	1	301	12/9/15 8:23 PM	SP:22195 SW 78TH AVE	High Winds	WESTERN	0.0003	0.0000001	301
33258	fuse_oh	12/9/15 4:00 AM	RAMAPO- EMERALD	107	300	12/9/15 9:01 AM	FUSE_OH:D1211B-3361	Limb on Line	EASTERN	0.0371	0.000124	300