



e-FILING REPORT COVER SHEET

COMPANY NAME: PORTLAND GENERAL ELECTRIC

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION?  No  Yes If yes, submit a redacted public version (or a cover letter) by email. Submit the confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

Select report type:  RE (Electric)  RG (Gas)  RW (Water)  RT (Telecommunications)  
 RO (Other, for example, industry safety information)

Did you previously file a similar report?  No  Yes, report docket number: RE 112

Report is required by:  OAR 860-023-0161

Statute

Order

Note: A one-time submission required by an order is a compliance filing and not a report (file compliance in the applicable docket)

Other

(For example, federal regulations, or requested by Staff)

Is this report associated with a specific docket/case?  No  Yes, docket number:

List Key Words for this report. We use these to improve search results.

MAJOR EVENT EXCLUSION

Send the completed Cover Sheet and the Report in an email addressed to [PUC.FilingCenter@state.or.us](mailto:PUC.FilingCenter@state.or.us)

Send confidential information, voluminous reports, or energy utility Results of Operations Reports to PUC Filing Center, PO Box 1088, Salem, OR 97308-1088 or by delivery service to 201 High Street SE Suite 100, Salem, OR 97301.



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

November 20, 2017

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

**Re: Major Event Exclusion**  
**Period: October 21, 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 October 21, 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 October 21, 2017, PGE's entire service territory experienced a wind storm causing widespread outages. The Portland area experienced wind gusts of 37 mph, Salem experienced wind gusts of 41 mph, and Hillsboro experienced wind gusts of 38 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 October 21, 2017. Most outages were in the eastern part of PGE's 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 8,877 customers without power. During the storm, a total of 14,856 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 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>	4.18	0.97	0.29	5.44
<i>SAIFI</i> <sup>3</sup>	0.013	0.004	0.001	0.017
<i>CAIDI</i> <sup>4</sup>	323	259	522	315
<i>Customers out at peak</i>	6,534	1,990	353	8,877
<i>T med</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

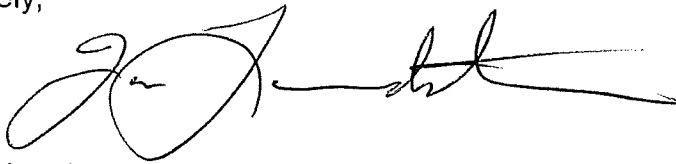
<sup>4</sup> CAIDI - Customer Average Interruption Duration Index

**Additional Reporting Related to the October 21, 2017 Storm Event:**

Attachment A provides a summary of outages within PGE's service territory lasting five 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". The signature is fluid and cursive, with a large initial "J" and a long horizontal stroke at the end.

James Landstrom,  
Manager, Transmission and Distribution Asset Management

Enclosures

Major Event Exclusion Period: October 21, 2017  
Attachment A

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

Attachment A Summary  
of Outages 5 hours and longer, PG&E Service Territory  
October 21st, 2017

Outage #	Outage Date	Outage Time	Feeder Name	Customers Affected	Customer Minutes	Return Date	Return Time	Interrupt Location	SAIDI	SAIFI	CAIDI
304754	10/21/17	10:15 PM	HOGAN NORTH-HOGAN NORTH 13	2	2098	10/23/17	9:12 AM	SP:6920 SE HOGAN RD	0.004871251	2.32193E-06	2,098
304417	10/21/17	7:33 PM	ROSEMONT-MOSSY BRAE	156	1703	10/22/17	11:56 PM	FUSE_OH:D1320A-3 / C / 100 A	0.308470279	1.81E-04	1,703
304991	10/21/17	11:19 PM	SANDY-WILDCAT	3	1505	10/23/17	12:24 AM	XFM_OH:C 25 93694	0.005242044	3.48E-06	1,505
304360	10/21/17	6:41 PM	EAGLE CREEK-BARTON	8	1479	10/22/17	7:20 PM	FUSE_OH:D3411B-2861 / B / 25 A_1	0.013741946	9.29E-06	1,480
304552	10/21/17	9:07 PM	ORIENT-ORIENT 13	3	1480	10/22/17	9:45 PM	FUSE_OH:A1527A-305 / B / 6 A	0.00150908	3.48E-06	1,479
304262	10/21/17	5:33 PM	SANDY-SANDY 13	23	1447	10/22/17	5:40 PM	FUSE_OH:D2594C-1812 / C / 15 A	0.03863805	2.67E-05	1,447
304476	10/21/17	8:06 PM	PLEASANT VALLEY-PLEASANT 13	4	1410	10/22/17	7:36 PM	FUSE_OH:D1335D-1266 / C / 65 A	0.006548225	4.64E-06	1,410
304490	10/21/17	8:32 PM	BORING-TELFORD	11	1328	10/22/17	6:40 PM	FUSE_OH:D1335D-1266 / C / 65 A	0.016959365	1.28E-05	1,328
304514	10/21/17	8:13 PM	RUBY-JUNCTION	16	1323	10/22/17	6:16 PM	FUSE_OH:D1335D-1266 / C / 65 A	0.02457529	1.86E-05	1,323
305090	10/21/17	11:41 PM	BORING-282ND	59	1316	10/22/17	9:36 PM	FUSE_OH:D1335D-1266 / C / 65 A	0.090112223	6.85E-05	1,316
304536	10/21/17	8:56 PM	SANDY-SANDY 13	3	1265	10/22/17	6:01 PM	SP:47675 SE COALMAN RD	0.004404698	3.48E-06	1,265
304872	10/21/17	10:47 PM	SANDY-WILDCAT	1	1256	10/22/17	7:43 PM	SP:SE TRUBEL RD & SE 367TH AVE	0.001458248	1.16E-06	1,256
305063	10/21/17	11:42 PM	HOGAN SOUTH-LAWRENCE	1	1218	10/22/17	8:00 PM	SP:8552 SE RODLUN RD	0.001413919	1.16E-06	1,218
304467	10/21/17	7:56 PM	MOLALLA-YODER	1	1205	10/22/17	4:01 PM	SP:31440 S DRYLAND RD	0.001399059	1.16E-06	1,205
304589	10/21/17	8:22 PM	NORTH PLAINS-NORTH PLAINS 13	1	1182	10/22/17	4:04 PM	SP:31985 NW PUMPKIN RIDGE DR	0.001372279	1.16E-06	1,182
304004	10/21/17	2:37 PM	DAYTON-EAST	19	1158	10/22/17	9:54 AM	FUSE_OH:C4327B-1347 / ABC / 40 A	0.025532873	2.20583E-05	1,158
304530	10/21/17	9:00 PM	MCCLAIN-COTTAGE	1	1129	10/22/17	3:48 PM	SP:721 STEWART ST NE	0.001310167	1.16096E-06	1,129
304730	10/21/17	10:15 PM	RAMAPO-RAMAPO 13	76	1128	10/22/17	5:03 PM	FUSE_OH:D1222A-4365 / BC / 100 A	0.099527139	8.82E-05	1,128
303883	10/21/17	10:24 AM	CANYON-23RD	3	1124	10/22/17	5:08 AM	XFM_OH:A 50 37375	0.003914771	3.48E-06	1,124
304797	10/21/17	10:21 PM	SANDY-WILDCAT	19	1121	10/22/17	5:01 PM	FUSE_OH:D2426C-2929 / B / 25 A	0.024721127	2.21E-05	1,121
306706	10/21/17	10:52 PM	TWILIGHT-BREMER	1	1102	10/22/17	5:13 PM	SP:Null_58	0.001278976	1.16E-06	1,102
304403	10/21/17	7:14 PM	SULLIVAN-SALAMO	1	1098	10/22/17	1:32 PM	SP:194 SW TUALATIN LOOP	0.00127439	1.16E-06	1,098
304513	10/21/17	8:26 PM	BORING-282ND	3	1090	10/22/17	2:36 PM	FUSE_OH:D1430A-1425 / B / 40 A	0.003796353	3.48E-06	1,090
304603	10/21/17	9:00 PM	WEST UNION-CORNELIUS PASS	80	1086	10/22/17	3:05 PM	SP:15400 NW MGNAMEE RD	0.100839803	9.29E-05	1,086
305012	10/21/17	11:29 PM	CENTENNIAL-BARKER	32	1066	10/22/17	5:15 PM	FUSE_OH:D1306B-42 / A / 40 A	0.039602811	3.72E-05	1,066
305108	10/21/17	11:39 PM	LENTS-HAPPY VALLEY	10	1047	10/22/17	5:06 PM	XFM_LUG:B 50 28568	0.012158198	1.16E-05	1,047
304588	10/21/17	9:46 PM	LELAND-BEAVERCREEK	2	1021	10/22/17	2:57 PM	SP:22450 S PARROT CREEK RD	0.001196625	1.16E-06	1,021
304736	10/21/17	8:35 PM	HARMONY-MILWAUKIE	56	991	10/22/17	3:13 PM	SP:12111 S CASTO RD	0.00236976	2.32E-06	1,021
304501	10/21/17	8:35 PM	SILVERTON-WEST	1	976	10/22/17	3:29 PM	FUSE_OH:D2060-3234 / B / 65 A	0.064438622	6.50E-05	991
304982	10/21/17	11:13 PM	ESTACADA-FARADAY	13	958	10/22/17	12:45 PM	SP:12868 MASCHER RD NE	0.001133217	1.16E-06	976
304517	10/21/17	8:48 PM	ESTACADA-FARADAY	3	948	10/22/17	12:45 PM	FUSE_OH:D3422D-666 / C / 40 A	0.014454372	1.51E-05	958
304529	10/21/17	9:00 PM	ESTACADA-FARADAY	1	948	10/22/17	12:48 PM	SP:35674 SE TUNALA MOUNTAIN RD	0.003303408	3.48289E-06	948
304802	10/21/17	10:24 PM	HARMONY-MILWAUKIE	1	944	10/22/17	1:57 PM	SP:14015 SE UPPER ALDERCREST DR	0.001096415	1.16E-06	944
304471	10/21/17	8:02 PM	WALLACE-WALLACE 13	5	933	10/22/17	1:57 PM	SP:4100 EAGLE CREST RD NW	0.001083354	1.16E-06	933
305006	10/21/17	11:29 PM	GARDEN HOME-METZGER	1	928	10/22/17	2:58 PM	XFM_OH:C 25 94201	0.005393259	5.80E-06	929
304487	10/21/17	8:27 PM	NORTH MARION-MCLAREN	5	914	10/22/17	11:42 AM	SP:17558 PAINTER LOOP RD NE	0.005308025	5.80E-06	914
305008	10/21/17	11:26 PM	ABERNETHY-OREGON CITY	5	909	10/22/17	11:42 AM	SP:14500 S BRUNNER RD	0.001077607	1.16E-06	928
304486	10/21/17	8:24 PM	ESTACADA-NORTH FORK	1	909	10/22/17	2:34 PM	SP:22945 S DAY HILL RD	0.001055065	1.16E-06	909
306518	10/21/17	11:25 PM	HARMONY-HARMONY 13	2	885	10/22/17	2:11 PM	FUSE_OH:D4415A-678 / B / 6 A	0.002091632	2.32E-06	901
306399	10/21/17	11:48 PM	CANBY-13644	2	885	10/22/17	2:11 PM	SP:4055 SE JACKSON ST	0.002055565	2.32E-06	885
305114	10/21/17	10:18 PM	SCOTT'S MILLS-SCOTT'S MILLS 13	345	864	10/22/17	2:22 PM	FUSE_OH:D3115A-2436 / A / 10 A	0.015210953	1.74E-05	873
304756	10/21/17	9:18 PM	WELCHES-ZIG ZAG	17	836	10/22/17	11:13 AM	FUSE_OH:D2734C-109 / ABC / 100 A	0.346066885	4.01E-04	864
304561	10/21/17	11:50 PM	GLENCULLEN-SUNSET	29	825	10/22/17	1:35 PM	FUSE_OH:D6122A-60 / C / 40 A	0.016674619	1.97E-05	845
305072	10/21/17	10:13 PM	SULLIVAN-BARNES	52	819	10/22/17	11:51 AM	FUSE_OH:D1117B-2225 / B / 100 A	0.016496005	1.97E-05	836
304726	10/21/17	6:51 PM	CURTIS-CURTIS 13	2	819	10/22/17	8:29 AM	FUSE_OH:A1130C-59 / B / 100 A	0.027785608	3.37E-05	825
304392	10/21/17	11:13 PM	MULTNOMAH-13176	183	818	10/22/17	11:51 AM	FUSE_OH:A1130C-59 / B / 100 A	0.049438113	6.04E-05	819
304950	10/21/17	11:13 PM	NORTH MARION-MCLAREN	382	815	10/22/17	12:48 PM	FUSE_OH:D1212C-77 / ABC / 100 A	0.173789376	0.000212456	818
305243	10/21/17	11:53 PM	CANBY-13644	85	804	10/22/17	1:16 PM	SW_OHLB:2325	0.361546466	4.43E-04	815
304974	10/21/17	11:09 PM	NORTH PLAINS-MASON HILL	10	800	10/22/17	12:20 PM	FUSE_OH:D3122B-1877 / AC / 40 A	0.0799315623	9.87E-05	804
304740	10/21/17	10:09 PM	SULLIVAN-ROBINWOOD	1	778	10/22/17	11:06 AM	SP:24775 NW PEDERSON RD	0.009292164	1.16E-05	800
305059	10/21/17	11:40 PM	URBAN-GIBBS	1	767	10/22/17	12:27 PM	SP:18560 NIXON AVE	0.000902863	1.16E-06	778
304746	10/21/17	10:12 PM	LELAND-CARUS	2	754	10/22/17	10:45 AM	SP:2804 SW NAITO PKWY	0.000890208	1.16E-06	767
					1507			SP:18280 S OLD CLARKE RD	0.001174965	2.32E-06	754

Attachment A Summary  
of Outages 5 hours and longer PGE Service Territory  
October 21st, 2017

Outage #	Outage Date	Outage Time	Feeder Name	Customers Affected	Duration	Customer Minutes	Return Date	Return Time	Interrupt Location	SAIDI	SAIFI	CAIDI
303858	10/21/17	8:10 AM	CANYON-CANYON 13	23	746	17158	10/21/17	8:36 PM	FUSE_OH:D11048-198 / ABC / 6 A	0.019919824	2.67E-05	746
304426	10/21/17	7:38 PM	LELAND-CARUS	1	731	731.383333	10/22/17	7:49 AM	SP:20211 S UPPER HIGHLAND RD	0.00084911	1.16E-06	731
304649	10/21/17	9:51 PM	GLENDOVEER-13597	84	724	60793.59997	10/22/17	9:54 AM	FUSE_OH:A1235C-1104 / B / 40 A	0.070579193	9.75E-05	724
305045	10/21/17	11:36 PM	ORIENT-ORIENT 13	137	704	96448	10/22/17	11:20 AM	RECL:6466	0.111972676	1.59E-04	704
304890	10/21/17	9:46 PM	BRIGHTWOOD-BRIGHTWOOD 13	59	696	41064.98329	10/22/17	9:22 AM	FUSE_OH:D252A-480 / AB / 40 A	0.047674976	6.85E-05	696
304815	10/21/17	11:00 PM	E-13139	373	685	255660.4164	10/22/17	10:25 AM	FUSE_OH:A1133A2-95 / ABC / 100 A	0.296832592	4.33E-04	685
304888	10/21/17	8:35 PM	REDLAND-REDLAND 13	1	667	667.35	10/22/17	7:42 AM	SP:15686 S BRADLEY RD	0.000774769	1.16E-06	667
305066	10/21/17	11:38 PM	SCOTTS MILLS-SCOTTS MILLS 13	64	643	41137.06662	10/22/17	9:46 AM	FUSE_OH:D7206B-86 / BC / 25 A	0.047758662	7.43017E-05	643
304718	10/21/17	10:01 PM	COLTON-DHOOGHE	8	632	5055.066664	10/22/17	10:09 AM	FUSE_OH:D5308A-2 / AC / 65 A	0.005868751	9.29E-06	632
303802	10/21/17	9:21 AM	SCHOLLS FERRY-ROY ROGERS	6	623	3738	10/22/17	8:24 AM	FUSE_OH:C2117A-2712 / AB / 40 A	0.004339684	6.97E-06	623
304735	10/21/17	10:19 PM	HOGAN NORTH-LINKS	1	622	621.6	10/21/17	7:42 PM	SP:26445 SE COCHRAN RD	0.000721655	1.17E-06	622
304764	10/21/17	10:19 PM	SANDY-WILDCAT	152	606	92104.4	10/22/17	8:24 AM	FUSE_OH:D1228B-2661 / BC / 65 A	0.106929911	1.76E-04	606
303791	10/21/17	4:07 AM	BELL-BATTIN	185	574	106276.3332	10/22/17	7:53 AM	FUSE_OH:C5601A-107 / B / 15 A	0.123383019	2.15E-04	574
305103	10/21/17	11:48 PM	SHERIDAN-EAST	3	568	1703.649999	10/21/17	1:34 PM	SP:1725 SW 89TH AVE	0.001977877	3.48E-06	568
305233	10/21/17	11:51 PM	CEDAR HILLS-LEAHY	1	556	556	10/22/17	9:04 AM	XFML_OH:C 25 38507	0.000645496	1.16E-06	556
304803	10/21/17	10:25 PM	BOONES FERRY-MOUNTAIN PARK	4	553	2212.733332	10/22/17	9:04 AM	FUSE_OH:D3124A-3782 / ABC / 40 A	0.002568904	4.64E-06	553
303908	10/21/17	12:11 PM	TWILIGHT-BREMER	74	544	40233.8	10/22/17	7:28 AM	SP:3309 SW FAIRMOUNT BLVD	0.046710002	8.59E-05	544
304586	10/21/17	9:45 PM	GLENCULLEN-BRIDLEMILE	1	495	494.816666	10/21/17	8:25 PM	SP:7525 SE ALDER ST	0.000574464	1.16E-06	495
304433	10/21/17	7:47 PM	KELLY BUTTE-BINNSMEAD	55	486	486.133333	10/22/17	5:51 AM	FUSE_OH:D2130B-4182 / A / 65 A	0.000564383	1.16E-06	486
304482	10/21/17	8:27 PM	MERIDIAN-MERIDIAN 13	1	465	464.5	10/22/17	4:11 AM	SP:5950 SW PROSPERITY PARK RD	0.000539268	1.16E-06	465
303892	10/21/17	11:11 AM	MERIDIAN-MERIDIAN 13	1	461	461.033333	10/21/17	6:52 PM	SP:26440 SE SUNSHINE VALLEY RD	0.000535243	1.16E-06	461
304175	10/21/17	4:29 PM	BORING-TELFORD	1279	457	584503	10/22/17	12:06 AM	SW_UGLB:6913	0.67858706	1.48E-03	457
305161	10/21/17	11:47 PM	ROSEMONT-OVERLOOK	80	433	34640	10/22/17	7:00 AM	FUSE_OH:D1336A-1004 / ABC / 100 A	0.0402158	9.29E-05	433
305255	10/21/17	11:57 PM	BORING-282ND	45	424	19062.74997	10/22/17	7:00 AM	FUSE_OH:D1336A-950 / ABC / 65 A	0.02213117	5.22E-05	424
305105	10/21/17	11:50 PM	COLTON-DHOOGHE	53	408	21602.8	10/22/17	6:37 AM	RECL:7213	0.025080078	6.15311E-05	408
304731	10/21/17	10:09 PM	MOLALLA-BUCKAROO	85	407	34603.5	10/22/17	4:56 AM	FUSE_OH:D5209B-702 / ABC / 100 A	0.040179425	9.87E-05	407
303812	10/21/17	7:44 AM	MOLALLA-MARQUAM	38	382	14534.36665	10/21/17	2:06 PM	FUSE_OH:D6214C-650 / B / 25 A	0.016873879	4.41E-05	382
304421	10/21/17	7:33 PM	MERIDIAN-PILKINGTON	1	375	374.716666	10/22/17	1:47 AM	SP:3423 ROYCE WAY	0.000435033	1.16E-06	375
303912	10/21/17	12:39 PM	ROSEMONT-OVERLOOK	1	363	363.366666	10/22/17	1:48 AM	SP:1040 OAK TER	0.000421856	1.16E-06	363
304444	10/21/17	7:45 PM	DENNY-WEST	24	685	8424	10/22/17	12:04 AM	FUSE_OH:C1121D-11052 / C / 40 A	0.009779962	2.79E-05	351
304329	10/21/17	5:53 PM	NORTH MARION-CROSBY	92	335	30790.86664	10/22/17	1:19 AM	FUSE_OH:C5106A-150 / ABC / 65 A	0.035747094	1.07E-04	335
305018	10/21/17	11:24 PM	SYLVAN-BARNES	179	333	59574.18321	10/21/17	11:25 PM	FUSE_OH:B1136C-47 / ABC / Solid	0.069163494	2.08E-04	333
304287	10/21/17	5:42 PM	SCHOLLS FERRY-ROY ROGERS	42	330	13868.4	10/22/17	4:54 AM	FUSE_OH:C2108A-2809 / B / 40 A	0.016100716	4.88E-05	330
304002	10/21/17	2:39 PM	FARGO-FARGO 13	22	315	6924.5	10/21/17	10:56 PM	FUSE_OH:C4105B-291 / ABC / 25 A	0.008039097	2.55E-05	315
			REDLAND-REDLAND 13	2	314	627.266666	10/21/17	7:52 PM	XFML_OH:A 25 42885	0.000728234	2.32E-06	314