

RE 112 e-FILING REPORT COVER SHEET

REPORT NAME:

PGE's Major Storm/Event Exclusion for October 15, 2016

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 October 15, 2016

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

November 15, 2016

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

Re: Major Storm/Event Exclusion
Period: October 15, 2016

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 15, 2016.

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 15, 2016, PGE's entire service territory experienced a wind storm causing widespread outages. The Portland area experienced wind gusts of 53 mph, Salem experienced wind gusts of 52 mph, and Hillsboro experienced wind gusts of 51 mph.

The severe wind combined with an extremely wet October 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 50,525 customers without power. During the storm, a total of 66,766 customers were affected.

4. The calculated SAIDI, SAIFI, and CAIDI impacts (i.e., "Event SAIDI¹, SAIFI², CAIDI³ and T_{med}⁴") 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_{med}, and system-wide basis totals:

	RELIABILITY REPORTING AREAS			SYSTEM-WIDE BASIS
	EASTERN ¹	SOUTHERN	WESTERN	PGE SERVICE TERRITORY
<i>SAIDI²</i>	5.96	7.42	8.45	21.84
<i>SAIFI³</i>	0.027	0.023	0.027	0.078
<i>CAIDI⁴</i>	215	315	306	276
<i>Customers out at peak</i>	19,561	12,773	18,191	50,525
<i>T_{med}</i>				4.38

¹ Eastern and Central regions are now combined and represented as the Eastern region.

² SAIDI - System Average Interruption Duration Index

³ SAIFI - System Average Interruption Frequency Index

⁴ CAIDI - Customer Average Interruption Duration Index

Additional Reporting Related to the October 15, 2016 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@pqn.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: October 15, 2016
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
October 15, 2016

117015	10/15/2016	2:50 PM	SELLWOOD-SELLWOOD 13	1	328	328	10/15/2016	8:19 PM	SP:8435 SE 15TH AVE	0.000388	1.18178E-06	328
118623	10/15/2016	5:43 PM	MERIDIAN-PILKINGTON	29	326	9,454	10/15/2016	11:09 PM	SP:5881 SW FERNBROOK CIR	0.011173	3.42717E-05	326
116910	10/15/2016	2:46 PM	WILSONVILLE-BOECKMAN	1	326	325	10/15/2016	8:11 PM	SP:24755 SW GAGE RD	0.000384	1.18178E-06	325
116422	10/15/2016	2:41 PM	SPRINGBROOK-ZIMRI	1	326	325	10/15/2016	8:07 PM	SP:29550 NE DAVID LN	0.000384	1.18178E-06	325
119709	10/15/2016	9:11 PM	CLACKAMAS-GLADSTONE	1	324	324	10/16/2016	2:35 AM	SP:17640 SE 130TH AVE	0.000383	1.18178E-06	324
117995	10/15/2016	4:19 PM	HOGAN NORTH-HOGAN NORTH 13	2	324	648	10/15/2016	9:44 PM	XFM_OH:A 15 26286	0.000766	2.36357E-06	324
113464	10/15/2016	12:38 PM	ST LOUIS-WEST	533	324	172,692	10/15/2016	6:02 PM	RECL:2587	0.204085	0.000629891	324
119443	10/15/2016	8:10 PM	SPRINGBROOK-ST PAUL	1	323	323	10/16/2016	1:33 AM	SP:28730 NE WILSONVILLE RD	0.000382	1.18178E-06	323
116461	10/15/2016	2:42 PM	SPRINGBROOK-ZIMRI	2	323	644	10/15/2016	8:04 PM	XFM_UG:C 15 42559	0.000761	2.36357E-06	322
116665	10/15/2016	2:44 PM	SPRINGBROOK-ZIMRI	2	322	644	10/15/2016	8:06 PM	SP:29600 NE DAVID LN	0.000761	2.36357E-06	322
119673	10/15/2016	5:01 PM	INDIAN-WEST	484	322	155,364	10/15/2016	10:23 PM	RECL:3501	0.183607	0.000571984	321
119752	10/15/2016	9:24 PM	SYLVAN-PATTON	1	321	320	10/16/2016	2:45 AM	SP:5520 SW WOODS CT	0.000378	1.18178E-06	320
118586	10/15/2016	4:45 PM	WEST PORTLAND-PACIFIC	4	320	1,276	10/15/2016	10:05 PM	SP:10726 SW 41ST AVE	0.001508	4.72714E-06	319
118932	10/15/2016	6:26 PM	HARBORTON-BURLINGTON	1	314	313	10/15/2016	11:40 PM	SP:35493 NW REEDER RD	0.00037	1.18178E-06	313
117420	10/15/2016	3:04 PM	MOLALLA-MARQUAM	1	310	309	10/15/2016	8:14 PM	SP:38490 S DICKEY PRAIRIE RD	0.000365	1.18178E-06	309
116360	10/15/2016	2:38 PM	WILSONVILLE CITY	44	306	13,420	10/15/2016	7:44 PM	FUSE_OH:C3124A-2374 / BC / 65 A	0.01586	5.19985E-05	305
116132	10/15/2016	2:34 PM	LELAND-CARUS	1	305	305	10/15/2016	7:40 PM	SP:26120 S SCHOCKLEY RD	0.00036	1.18178E-06	305
116327	10/15/2016	2:36 PM	WEST PORTLAND-WEST PORTLAND 13	83	305	25,232	10/15/2016	7:41 PM	FUSE_OH:D2106B-5802 / A / 40 A	0.029819	9.80881E-05	304