

e-FILING REPORT COVER SHEET

REPORT NAME: Major Event Day Report for December 7, 2013

COMPANY NAME: Idaho Power Company

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION?  No  Yes

If yes, please submit only the cover letter electronically. Submit confidential information as directed OAR 860-001-0070 or the terms of an applicable protective order.

If known, please select designation:  RE (Electric)  RG (Gas)  RW (Water)  
 RO (Other)

Report is required by:  OAR 860-023-0161  
 Statute  
 Order  
 Other

Is this report associated with a specific docket/case?  No  Yes  
If Yes, enter docket number: RE 114

Key words:

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

- Corporate Analysis and Water Regulation
- Economic and Policy Analysis
- Electric and Natural Gas Revenue Requirements
- Electric Rates and Planning
- Natural Gas Rates and Planning
- Utility Safety, Reliability & Security
- Administrative Hearings Division
- Consumer Services Section

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- Annual Fee Statement form and payment remittance or
- OUS or RSPF Surcharge form or surcharge remittance or
- Any other Telecommunications Reporting or
- Any daily safety or safety incident reports or
- Accident reports required by ORS 654.715.



LISA D. NORDSTROM  
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December 31, 2013

**Attention: Filing Center**  
Public Utility Commission of Oregon  
550 Capitol Street NE, Suite 215  
P.O. Box 2148  
Salem, Oregon 97308-2148

Re: Major Event Day: December 7, 2013  
Docket No. RE 114

Dear Filing Center:

As shown on the enclosed report, an outage event on December 7, 2013, affected Idaho Power's Oregon operating reliability reporting area and met the criteria as a Major Event Day (MED) with a SAIDI (System Average Interruption Duration Index) = 43.53 (TMED = 11.25) and a CAIDI (Customer Average Interruption Duration Index) = 485.58 (Base = 300) minutes.

Multiple conductor failures on the Oxbow-Halfway 69 kV transmission line contributed to the customers outages in the Halfway, Oregon area. Four feeders were affected with a total of 1,395 customers impacted.

An original and one (1) copy of the **confidential** map showing the affected area will be provided via U.S. Mail.

This filing should be forwarded to Lori Koho in the Safety, Reliability and Security Division. If you have any questions, please do not hesitate to contact Perry Van Patten, Manager, Delivery Reliability and Maintenance, at 208-388-5944.

Very truly yours,

A handwritten signature in cursive script that reads "Lisa D. Nordstrom".

Lisa D. Nordstrom

LDN/kkt

Enclosure

cc: Vern Porter  
Brent Lulloff  
Perry E. Van Patten  
Wes Clark  
Marc Patterson  
Dan Schledewitz  
Heath Schab



**Oregon Administrative Rule 860-023-0161  
Major Event Filing  
December 7, 2013**

**Description:** On December 7, 2013, a Major Event Day occurred in Idaho Power Company's Oregon reliability reporting area. The causes of the outages were multiple conductor failures on the Oxbow-Halfway 69 kV transmission line. The first conductor failure occurred just east of the Halfway substation on the road-side phase. After the problem was identified and the necessary repairs were made, the line was energized and a second conductor failure occurred on the center phase a few spans east of the first failure. Repairs on the second failure were made and the line was energized again; however, it was discovered that a third conductor failure had occurred about 6 miles east of the Halfway substation at the same time as the second conductor failure. After repairs were made on the third failure, the Halfway circuits were re-energized in sections due to cold-load pick-up.

**Transmission Events:** The interval times for the first three transmission events are related to the Duke and Pine Creek substations. The interval time for the fourth transmission event is related to the Halfway substation. The begin and end times are meant to match the distribution outage time line on page 2, which are not necessarily the same times that the failures occurred.

Line	Begin Time	End Time	Event Type	Duration (min)	Comments
OBPR-HFWY 69kV	8:40am	10:27am	Fault-Line	106	Broken wire strands
OBPR-HFWY 69kV	1:58pm	2:22pm	Fault-Line	24	Broken wire strands
OBPR-HFWY 69kV	3:20pm	3:26pm	Fault-Line	6	Broken wire at splice connection
OBPR-HFWY 69kV	8:40am	6:02pm	Fault-Line	562	Broken wire strands

**Customers Affected:** The events had the following affect on the customer-serving distribution circuits below. The total number of Oregon customers affected was 1,395. All of the customers on the Duke (28) and Pine Creek (98) circuits saw 3 separate sustained outages related to these failures. The total duration of their outages was limited by switching to isolate the section of line where the failures occurred between the Duke and Halfway substations. All of the customers on the Halfway circuits (738 and 531, respectively) experienced a single sustained outage ranging between 9 hours and 12 hours in duration. The events below for the Halfway circuits reflect the number of customers with power out by sectionalizing device to account for the cold-load pick-up after the third conductor failure.

Circuit (Event ID)	Duration (Minutes)	Customers Out	Customer Minutes Out
DUKE11			
645600	106.03	28	2,969
645658	24.00	28	672
645625	5.45	28	153
HFWY11			
645657	564.40	412	232,533
645607	670.00	245	164,248
645649	729.40	81	59,081
HFWY12			
645656	694.00	130	90,220
645638	590.03	401	236,603
PNCK11			
645617	106.03	98	10,391
645626	24.00	98	2,352
645670	5.45	98	534
<b>Total</b>	<b>*729.40</b>	<b>1,647</b>	<b>799,756</b>

\*Maximum duration for Event IDs.

All of the Oregon customers on these circuits were impacted. The resulting indices are shown below.

Circuit	Day SAIDI (Minutes)	Day SAIFI	Day CAIDI (Minutes)
DUKE11	135.48	3.00	45.16
HFWDY11	617.70	1.00	617.70
HFWDY12	615.49	1.00	615.49
PNCK11	135.48	3.00	45.16
<b>System</b>	<b>43.53</b>	<b>0.09</b>	<b>485.58</b>

**Outage Timeline:**

