

## OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
January	1/7/2015	5:00 PM	1/8/2015	8:35 AM	Tennessee	SERC	Public appeal to reduce the use of electricity	Severe Weather - Winter	Unknown	Unknown
January	1/7/2015	5:00 PM	1/8/2015	8:35 AM	Tennessee, Kentucky, Virginia, North Carolina, Georgia, Alabama, Missouri	SERC	Public appeal to reduce the use of electricity	Severe Weather - Winter	Unknown	Unknown
January	1/22/2015	4:24 AM	1/22/2015	5:55 AM	Portland, Oregon	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
January	1/26/2015	2:39 PM	1/26/2015	2:40 PM	Cave Junction, Oregon	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
January	1/27/2015	10:30 AM	1/27/2015	10:31 AM	Kountze, Texas	SERC	Suspected Physical Attack	Sabotage	0	0
February	2/1/2015	11:24 AM	2/1/2015	11:44 AM	Weber County, Utah	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
February	2/2/2015	9:40 AM	2/2/2015	9:41 AM	Conroe, Texas	TRE	Suspected Physical Attack	Sabotage	Unknown	Unknown
February	2/4/2015	11:55 AM	2/4/2015	11:56 AM	Vollmers, California	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
February	2/5/2015	8:15 AM	2/5/2015	8:17 AM	Cameron, Arizona	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
February	2/5/2015	11:20 AM	2/5/2015	11:21 AM	Dunismuir, California	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
February	2/6/2015	8:58 PM	Unknown	Unknown	Northern California	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather - Wind	Unknown	65,000
February	2/9/2015	11:30 AM	2/9/2015	1:15 PM	Colorado Springs, Colorado	WECC	Suspected Physical Attack	Sabotage	Unknown	Unknown
February	2/16/2015	9:41 PM	2/18/2015	7:00 AM	Northern/North Eastern, Georgia	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather - Winter	620	186,035
February	2/16/2015	9:00 PM	2/18/2015	2:00 PM	Tennessee, Kentucky, Virginia, North Carolina, Georgia, Alabama, Missouri	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather - Winter	Unknown	67,189
February	2/17/2015	9:00 AM	2/18/2015	11:00 PM	North Carolina, South Carolina	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather - Winter	Unknown	52,000
February	2/17/2015	2:12 AM	2/18/2015	4:00 PM	North Carolina, South Carolina	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather - Winter	Unknown	68,000
February	2/17/2015	6:20 AM	2/17/2015	7:30 AM	Prescott Valley, Arizona	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
February	2/18/2015	3:00 PM	2/20/2015	9:00 AM	Tennessee, Kentucky, Virginia, North Carolina, Georgia, Alabama, Missouri	SERC	Public appeal to reduce the use of electricity	Severe Weather - Winter	Unknown	Unknown
February	2/19/2015	2:30 PM	2/19/2015	3:20 PM	Winslow, Arizona	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
February	2/20/2015	6:00 AM	2/20/2015	10:00 AM	North Carolina, South Carolina	SERC	System-wide voltage reductions of 3 percent or more	Severe Weather - Winter	Unknown	Unknown

## OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
February	2/21/2015	8:34 AM	2/21/2015	12:45 PM	Fentress County, Tennessee	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather - Winter	Unknown	50,000
February	2/26/2015	3:12 AM	2/26/2015	8:00 PM	North Carolina, South Carolina	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather - Winter	Unknown	124,000
February	2/26/2015	3:30 AM	2/27/2015	12:00 PM	North Carolina	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather - Winter	400	103,776
March	3/4/2015	9:05 AM	3/4/2015	2:15 PM	Johnson City , Tennessee	SERC	Suspected Physical Attack	Vandalism	Unknown	Unknown
March	3/9/2015	11:50 PM	3/10/2015	10:53 AM	Washington	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
March	3/15/2015	3:30 PM	3/15/2015	7:00 PM	Greater Portland & Salem , Oregon	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather - Wind	210	71,000
March	3/16/2015	7:31 AM	3/16/2015	10:06 AM	Winona , Minnesota	MRO	Suspected Physical Attack	Sabotage	20	5,941
March	3/19/2015	6:30 PM	3/19/2015	9:37 PM	Southwest Kansas	SPP	Suspected Physical Attack	Vandalism	Unknown	Unknown
March	3/22/2015	4:25 PM	3/22/2015	4:26 PM	West Virginia	RFC	Suspected Physical Attack	Vandalism	24	0
March	3/26/2015	3:21 PM	3/26/2015	4:59 PM	Contra Costa County, California	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational	System Operations	15	Unknown
March	3/29/2015	4:26 AM	3/29/2015	9:21 AM	California	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
April	4/1/2015	6:25 PM	4/1/2015	6:26 PM	San Juan County, Utah	WECC	Suspected Physical Attack	Vandalism	Unknown	37
April	4/2/2015	7:04 AM	4/2/2015	8:57 AM	San Juan County, Utah	WECC	Suspected Physical Attack	Vandalism	6	5,763
April	4/3/2015	2:00 AM	4/3/2015	7:48 AM	Harvey, Reno, and Sedgwick Counties, Kansas	SPP	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather - Thunderstorms	Unknown	70,000
April	4/6/2015	8:12 AM	4/6/2015	12:08 PM	Butte County, California	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	System Operations	Unknown	80,000
April	4/7/2015	12:30 PM	4/7/2015	5:34 PM	Unknown	RFC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	System Operations	Unknown	Unknown

## OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
April	4/7/2015	3:34 PM	4/7/2015	3:46 PM	California	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational	System Operations	0	0
April	4/17/2015	9:30 PM	4/19/2015	11:50 PM	Houston, Texas	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	280,982
April	4/17/2015	9:16 AM	4/17/2015	11:00 AM	Canada	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational	System Operations	9,300	Unknown
April	4/18/2015	9:00 PM	4/21/2015	4:00 AM	Dallas, Fort Worth, Texas	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	89,000
April	4/24/2015	7:10 PM	4/26/2015	4:00 PM	Dallas, Fort Worth, Texas	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	57,000
April	4/27/2015	10:30 AM	4/28/2015	6:45 PM	Louisiana and Texas	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	199,000
May	5/2/2015	10:51 PM	5/3/2015	12:26 AM	Franklin County, Tennessee	SERC	Suspected Physical Attack	Vandalism	1	215
May	5/4/2015	3:25 PM	5/4/2015	3:26 PM	Salt Lake County, Utah	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
May	5/11/2015	8:32 AM	5/11/2015	8:33 AM	Shasta County, California	WECC	Suspected Physical Attack	Sabotage	0	0
May	5/12/2015	12:40 AM	5/12/2015	12:45 AM	Coahoma County, Mississippi	SERC	Suspected Physical Attack	Sabotage	0	0
May	5/18/2015	3:28 PM	5/18/2015	3:47 PM	Washington	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational	Severe Weather	275	0
May	5/25/2015	6:00 PM	5/29/2015	7:15 AM	North Texas	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	454,000

## OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
May	5/25/2015	10:45 PM	5/28/2015	1:25 AM	Fort Bend County, & Harris County ,Texas	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	61,000
May	5/25/2015	8:30 PM	5/26/2015	6:30 PM	Texas	SPP	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	57,531
May	5/25/2015	8:30 PM	Unknown	Unknown	Texas, Louisiana, Arkansas	SPP	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	57,351
May	5/26/2015	5:30 AM	5/27/2015	7:00 PM	Texas, Louisiana, Arkansas, Mississippi	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	78,515
June	6/1/2015	12:27 AM	6/1/2015	2:15 AM	Daviess County, Kentucky	SERC	Suspected Physical Attack	Vandalism	2	110
June	6/1/2015	7:19 PM	6/2/2015	8:36 AM	California	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational	System Operations	5	484
June	6/2/2015	6:58 PM	6/2/2015	7:24 PM	California	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational	System Operations	5	727
June	6/3/2015	3:00 PM	6/5/2015	5:00 PM	Texas	TRE	Public appeal to reduce the use of electricity	System Operations	Unknown	Unknown
June	6/7/2015	1:54 PM	6/7/2015	2:13 PM	Shelby County, Tennessee	SERC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident  System-wide voltage reductions of 3 percent or more	System Operations	926	Unknown

## OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
June	6/7/2015	1:52 PM	6/7/2015	2:13 PM	Tennessee	SERC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	System Operations	Unknown	Unknown
June	6/8/2015	12:00 AM	Unknown	Unknown	Merced County, California	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability	System Operations	176	Unknown
June	6/20/2015	1:52 PM	6/20/2015	3:30 PM	Solano County, California	WECC	Suspected Physical Attack	Vandalism	Unknown	0
June	6/23/2015	6:00 PM	6/30/2015	6:00 PM	Gloucester County, Burlington County, Atlantic County, Cape May County, New Jersey	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	263,000
June	6/23/2015	5:06 PM	6/26/2015	4:00 PM	New Castle County, Delaware	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	65,000
June	6/23/2015	5:30 PM	6/23/2015	7:00 PM	Delaware County, PA; Chester County, PA	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	200,000
June	6/23/2015	6:30 PM	6/24/2015	5:00 AM	Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	62,442
June	6/23/2015	6:18 PM	6/23/2015	8:30 PM	New Jersey	RFC	Load shedding of 100 Megawatts or more implemented under emergency operational policy Loss of electric service to more than 50,000 customers for 1 hour or more	System Operations	198	156,338
June	6/23/2015	6:26 PM	Unknown	Unknown	New Jersey	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	90	73,000

## OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
June	6/26/2015	2:00 AM	Unknown	Unknown	Kansas	SPP	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	110,000
June	6/27/2015	5:00 PM	6/30/2015	5:18 PM	Wayne County, Michigan	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	68,000
June	6/29/2015	7:21 PM	6/29/2015	7:42 PM	Washington	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational	Severe Weather	0	0
June	6/30/2015	2:00 PM	6/30/2015	9:00 PM	California	WECC	Public appeal to reduce the use of electricity	Severe Weather	Unknown	Unknown
June	6/30/2015	10:50 AM	7/1/2015	9:00 PM	California	WECC	Public appeal to reduce the use of electricity	Severe Weather	Unknown	Unknown
July	7/3/2015	8:30 AM	7/3/2015	2:30 PM	Butte County, California	WECC	Suspected Physical Attack	Suspicious Activity	0	0
July	7/3/2015	5:17 PM	7/3/2015	11:30 PM	Texas	TRE	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	System Operations	350	30,000
July	7/13/2015	2:14 PM	7/16/2015	6:00 AM	Ohio, Kentucky	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	480	68,339
July	7/13/2015	7:40 PM	7/15/2015	12:15 PM	Virginia	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	52,739
July	7/14/2015	3:29 PM	7/15/2015	11:55 AM	Arkansas	SPP	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	Severe Weather	Unknown	Unknown
July	7/14/2015	8:00 PM	7/15/2015	9:23 AM	Alabama	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	366	111,644

## OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
July	7/15/2015	2:00 AM	7/15/2015	2:55 AM	California	WECC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	System Operations	360	0
July	7/16/2015	4:45 PM	7/16/2015	5:48 PM	Texas	SPP	Load shedding of 100 Megawatts or more implemented under emergency operational policy	System Operations	117	17,311
July	7/18/2015	2:00 AM	7/19/2015	7:00 AM	Henepin and Ramsey County, Minnesota	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	250	250,000
July	7/18/2015	6:26 PM	7/18/2015	9:03 PM	California	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational	System Operations	30	70
July	7/18/2015	7:59 PM	7/18/2015	10:45 PM	California	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	160	78,164
July	7/21/2015	12:47 PM	7/21/2015	1:12 PM	Washington	WECC	Load shedding of 100 Megawatts or more implemented under emergency operational policy	System Operations	200	Unknown
July	7/27/2015	3:52 AM	7/27/2015	4:36 AM	California	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational	System Operations	Unknown	484
July	7/28/2015	12:05 PM	7/28/2015	12:26 PM	Puerto Rico	N/A	System-wide voltage reductions of 3 percent or more	System Operations	150	Unknown
July	7/29/2015	4:45 PM	7/29/2015	9:00 PM	New York	NPCC	Fuel supply emergencies that could impact electric power system adequacy or reliability	System Operations	500	0

## OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
July	7/30/2015	9:50 AM	7/30/2015	7:00 PM	Texas	TRE	Public appeal to reduce the use of electricity	System Operations	Unknown	Unknown
July	7/30/2015	1:00 PM	Unknown	Unknown	Tennessee	SERC	Suspected Physical Attack	Vandalism	0	0
July	7/31/2015	10:55 AM	Unknown	Unknown	Washington	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational	System Operations	9	0
August	8/2/2015	5:45 PM	8/4/2015	3:00 AM	Michigan: Emmet County; Grand Traverse County; Leelanau County; Kalkaska County; Benzie County; Manistee County; Wexford County; Missaukee County; Mecosta County;	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	162,000
August	8/3/2015	12:30 AM	8/3/2015	2:00 AM	Illinois	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	115,000
August	8/3/2015	1:00 AM	8/5/2015	12:00 AM	Michigan	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	72,520
August	8/3/2015	8:27 AM	8/4/2015	1:18 AM	Arizona: New Mexico	WECC	Suspected Physical Attack	Sabotage	0	Unknown
August	8/4/2015	7:17 AM	8/5/2015	12:52 PM	Massachusetts: Rhode Island:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	132,000
August	8/11/2015	7:30 PM	8/13/2015	4:05 AM	Texas: Houston;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	100,000
August	8/13/2015	3:15 PM	8/13/2015	7:00 PM	Texas: Williamson County;	TRE	Public appeal to reduce the use of electricity	Other	Unknown	Unknown



## OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
August	8/27/2015	9:51 PM	8/28/2015	6:00 PM	Puerto Rico	WECC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident / Loss of electric service to more than 50,000 customers for 1 hour or more	System Operations	360	Unknown
August	8/29/2015	10:00 AM	Unknown	Unknown	Washington	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	500,000
August	8/29/2015	11:00 AM	9/4/2015	3:00 PM	King County, Skagit County, Whatcom County, Kitsap County, Pierce County, Thurston County, Island County, Washington	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	250	250,000
August	8/29/2015	1:00 PM	8/31/2015	7:00 AM	Washington: King County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	1,200	64,000
September	9/3/2015	2:33 AM	9/3/2015	6:25 AM	Michigan	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	50,114
September	9/13/2015	5:56 PM	9/13/2015	8:37 PM	New York: Dutchess County;	NPCC	Suspected Physical Attack	Vandalism	0	0
September	9/20/2015	1:12 PM	9/20/2015	1:44 PM	California	WECC	Load shedding of 100 Megawatts or more implemented under emergency operational policy	System Operations	150	Unknown
September	9/29/2015	3:40 PM	9/29/2015	3:41 PM	Oregon	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
October	10/13/2015	6:30 AM	10/13/2015	8:30 AM	Utah: Emery County;	WECC	Suspected Physical Attack	Vandalism	0	0
October	10/13/2015	10:25 AM	10/13/2015	6:00 PM	Texas	TRE	Public appeal to reduce the use of electricity	Other	Unknown	Unknown
October	10/13/2015	4:32 PM	10/13/2015	8:39 PM	California	WECC	Public appeal to reduce the use of electricity	Other	41,788	Unknown
October	10/16/2015	12:25 PM	10/16/2015	12:56 PM	Utah	WECC	Suspected Physical Attack	Vandalism	0	0

## OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
October	10/18/2015	7:00 AM	10/18/2015	11:29 PM	California: Central Coast area;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	88	55,677
October	10/23/2015	9:42 AM	10/23/2015	1:26 PM	Puerto Rico	N/A	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational / Load shedding of 100 Megawatts or more implemented under emergency operational policy / System-wide voltage reductions of 3 percent of more / Loss of electric service to more than 50,000 customers for 1 hour or more	System Operations	500	300,000
October	10/28/2015	1:38 PM	10/29/2015	5:00 PM	Pennsylvania: Columbia County; Montour County; Northumberland County;	RFC	Suspected Physical Attack	Other	Unknown	35,000
October	10/30/2015	3:00 PM	10/30/2015	4:00 PM	Oregon: Josephine County;	WECC	Suspected Physical Attack	Other	0	0
October	10/31/2015	12:45 AM	11/1/2015	4:05 PM	Texas: Harris County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	130,252
November	11/1/2015	11:53 AM	11/1/2015	12:00 PM	Ohio: Hamilton County;	RFC	Suspected Physical Attack	Vandalism	0	0
November	11/2/2015	5:37 PM	11/4/2015	9:00 AM	Arkansas: Hot Spring County;	SERC	Suspected Physical Attack	Sabotage	4	0
November	11/10/2015	12:00 PM	11/10/2015	2:00 PM	Indiana: Dearborn County;	RFC	Suspected Physical Attack	Sabotage	0	0
November	11/13/2015	11:30 AM	11/13/2015	11:35 AM	New York	NPCC	Suspected Physical Attack	Suspicious Activity	Unknown	Unknown
November	11/17/2015	9:00 AM	Unknown	Unknown	Washington: Snohomish County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	900	89,000
November	11/17/2015	10:00 AM	Unknown	Unknown	Washington	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	300,000

## OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
November	11/17/2015	1:30 PM	Unknown	Unknown	Washington: Stevens County, Lincoln County, Adams County, Whitman County, Spokane County; Idaho: Bonner County, Kootenai County, Shoshone County, Benewah County, Idaho County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	182,000
November	11/21/2015	8:30 PM	11/23/2015	1:00 AM	Michigan	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	60,000
November	11/28/2015	6:00 AM	11/30/2015	1:00 PM	Oklahoma	SPP	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	55,609
November	11/28/2015	6:00 AM	Unknown	Unknown	Oklahoma	SPP	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	35,000
November	11/29/2015	4:48 PM	11/29/2015	6:20 PM	Puerto Rico	N/A	System-wide voltage reductions of 3 percent or more	System Operations	0	0
November	11/30/2015	6:18 AM	11/30/2015	9:18 PM	Puerto Rico	N/A	System-wide voltage reductions of 3 percent or more	System Operations	100	86,559
December	12/2/2015	1:03 PM	12/3/2015	12:29 PM	Kansas: Thomas County;	SPP	Suspected Physical Attack	Vandalism	0	0
December	12/5/2015	9:00 PM	12/5/2015	10:30 PM	Kansas	SPP	Suspected Physical Attack	Vandalism	0	0
December	12/5/2015	7:22 PM	12/6/2015	5:27 AM	New York: Orange County, Sullivan County; Pennsylvania: Pike County;	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Other	110	52,476
December	12/8/2015	2:00 PM	12/8/2015	2:01 PM	Nevada: Clark County;	WECC	Suspected Physical Attack	Sabotage	0	0
December	12/9/2015	6:06 PM	12/9/2015	9:52 PM	Puerto Rico		System-wide voltage reductions of 3 percent or more	System Operations	0	0
December	12/9/2015	4:00 AM	12/9/2015	11:00 AM	Washington	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	115	76,300

## OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
December	12/10/2015	9:25 PM	12/10/2015	10:30 PM	Missouri: New Madrid County;	SERC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	System Operations	400	1
December	12/10/2015	5:55 PM	12/10/2015	5:56 PM	California: Stanislaus County;	WECC	Suspected Physical Attack	Vandalism	Unknown	Unknown
December	12/10/2015	3:53 AM	12/10/2015	4:08 AM	California: Plumas County	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational	Severe Weather	24	9,956
December	12/10/2015	6:01 AM	12/10/2015	7:13 AM	California: Northern;	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational	Severe Weather	29	9,956
December	12/24/2015	3:00 AM	12/26/2015	12:00 AM	Michigan: Antrim County, Charlevoix County, Manistee County, Mecosta County, Kalkaska County, Grand Traverse County, Osceola County, Lake County, Newaygo County, Clare County, Isabella County;	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	168,000
December	12/26/2015	7:30 PM	Unknown	Unknown	Texas	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	70,000
December	12/26/2015	6:00 PM	12/30/2015	6:00 AM	Texas: Oklahoma:	SPP	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	116,800
December	12/27/2015	11:38 PM	12/28/2015	5:00 PM	Oklahoma	SPP	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	54,476

**OE-417 Electric Emergency and Disturbance Report - Calendar Year 2015**

Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
December	12/27/2015	5:00 PM	Unknown	Unknown	Oklahoma	SPP	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	50,500
December	12/29/2015	8:30 AM	12/29/2015	8:31 AM	Maine	NPCC	Suspected Physical Attack	Sabotage	0	0
December	12/31/2015	5:00 PM	12/31/2015	9:40 PM	Oklahoma: Blaine County;	SPP	Public appeal to reduce the use of electricity	Severe Weather	8	1,500
December	12/31/2015	11:00 AM	Unknown	Unknown	Missouri	SERC	Suspected Physical Attack	Sabotage	0	0