

**OE-417 Electric Emergency and Disturbance Report - Calendar Year 2019**

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	01/09/2020	11:07 PM	01/09/2020	11:19 PM	Arkansas: Yell County;	SPP RE	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Severe Weather/Transmission Interruption	0	0
January	01/09/2020	8:45 PM	01/10/2020	9:23 PM	Washington: King County;	WECC	Cyber event that could potentially impact electric power system adequacy or reliability.	Suspicious Activity	0	0
January	01/09/2020	7:40 AM	01/09/2020	8:48 AM	Minnesota: North Dakota: Wisconsin:	MRO	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
January	01/09/2020	11:07 PM	01/09/2020	11:18 PM	Arkansas:	SPP RE	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.	System Operations	Unknown	Unknown
January	01/10/2020	2:53 PM	Unknown	Unknown	Tennessee: Hamilton County;	SERC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	Unknown	Unknown
January	01/11/2020	2:25 AM	01/11/2020	7:56 AM	Arkansas: Cross County;	SPP RE	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Severe Weather/Transmission Interruption	22	7541
January	01/11/2020	11:02 PM	01/12/2020	2:01 AM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	66475
January	01/11/2020	3:30 AM	01/11/2020	5:30 PM	Arkansas: Texas:	SPP RE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	68138
January	01/11/2020	1:20 PM	Unknown	Unknown	Tennessee:	SERC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.	Severe Weather	4	Unknown
January	01/11/2020	12:50 PM	01/12/2020	1:33 PM	Alabama: Georgia: Mississippi:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	219	30715

**OE-417 Electric Emergency and Disturbance Report - Calendar Year 2019**

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	01/12/2020	11:15 AM	01/12/2020	11:18 AM	Texas: Brazos County;	TRE	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
January	01/14/2020	12:00 AM	01/14/2020	1:00 AM	Florida: Alachua County;	FRCC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Suspicious Activity	0	0
January	01/16/2020	11:06 AM	01/16/2020	11:36 AM	Texas: Harris County;	TRE	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
January	01/17/2020	5:28 AM	01/17/2020	10:13 AM	California: Humboldt County;	WECC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.	Severe Weather/Transmission Interruption	87	67864
January	01/20/2020	6:30 AM	01/20/2020	6:31 AM	California: Los Angeles County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	0	0
January	01/22/2020	2:57 AM	01/22/2020	3:17 AM	Nevada: Humboldt County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Actual Physical Attack	7	3120
January	01/23/2020	11:30 PM	01/24/2020	12:39 AM	Florida: Manatee County;	FRCC	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.	Vandalism	0	0
January	01/24/2020	4:34 AM	Unknown	Unknown	California:	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	0	0
January	01/27/2020	2:10 PM	01/27/2020	6:58 PM	North Dakota: South Dakota: Montana:	MRO	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	540	130000
January	01/30/2020	3:01 AM	01/30/2020	4:36 AM	North Dakota: Burleigh County;	MRO	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	75	0

**OE-417 Electric Emergency and Disturbance Report - Calendar Year 2019**

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	01/31/2020	9:50 AM	02/03/2020	10:00 AM	California:	WECC	Cyber event that could potentially impact electric power system adequacy or reliability.	Suspicious Activity	0	0
February	02/06/2020	2:29 PM	02/07/2020	12:44 PM	North Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather/Distribution Interruption	Unknown	284256
February	02/06/2020	1:30 PM	02/07/2020	8:08 PM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather/Transmission Interruption	Unknown	89500
February	02/07/2020	4:25 PM	02/08/2020	12:00 PM	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	123359
February	02/07/2020	2:42 PM	02/10/2020	9:25 AM	New York:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	7500
February	02/07/2020	11:00 AM	Unknown	Unknown	Pennsylvania:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather/Distribution Interruption	Unknown	52000
February	02/07/2020	8:48 AM	Unknown	Unknown	Virginia: North Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	87000
February	02/08/2020	1:56 PM	02/08/2020	3:04 PM	California:	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
February	02/09/2020	9:30 AM	02/09/2020	9:40 PM	California: Alameda County, Contra Costa County, El Dorado County, Nevada County, Placer County, Sierra County, Santa Clara County, Napa County, Marin County, Santa Cruz County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	500	145000
February	02/11/2020	2:53 AM	02/11/2020	1:30 PM	Texas: Sterling County;	TRE	Cyber event that could potentially impact electric power system adequacy or reliability.	System Operations	0	0
February	02/11/2020	7:13 AM	02/11/2020	4:00 PM	Oregon: Clackamas County;	WECC	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).	Transmission Interruption	Unknown	0
February	02/12/2020	7:36 AM	02/12/2020	8:53 AM	Maine:	NPCC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
February	02/13/2020	8:01 AM	02/13/2020	2:38 PM	Oregon:	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0

**OE-417 Electric Emergency and Disturbance Report - Calendar Year 2019**

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	02/17/2020	9:47 AM	02/17/2020	3:31 PM	Alabama: Chambers County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	97	Unknown
February	02/17/2020	1:18 PM	02/20/2020	9:51 AM	Michigan: Eaton County;	RF	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	0	0
February	02/17/2020	4:00 AM	Unknown	Unknown	Northern and Central California;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	91	70000
February	02/18/2020	1:00 PM	02/18/2020	2:00 PM	California: Kern County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	0	0
February	02/25/2020	11:45 AM	02/25/2020	1:00 PM	California: Los Angeles County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
February	02/26/2020	4:30 PM	02/26/2020	5:02 PM	Oklahoma:	SPP RE	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
February	02/26/2020	5:00 PM	02/26/2020	6:05 PM	Maine:	NPCC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
February	02/26/2020	11:29 AM	02/26/2020	12:14 PM	South Dakota: Wyoming: Colorado:	MRO	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0
February	02/29/2020	1:45 AM	02/29/2020	2:30 AM	Nevada: Clark County, Washoe County;	WECC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	0	0