

OE-417 Electric Emergency and Disturbance Report - Calendar Year 2018

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	01/01/2018	6:21 PM	01/02/2018	6:11 PM	Tennessee:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	Severe Weather	Unknown	Unknown
January	01/01/2018	5:43 PM	Unknown	Unknown	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	Severe Weather	Unknown	Unknown
January	01/01/2018	9:37 PM	01/02/2018	10:30 AM	Tennessee:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	System Operations	Unknown	Unknown
January	01/02/2018	10:00 AM	02/12/2018	8:00 AM	New York: Niagara County;	NPCC	Fuel supply emergencies that could impact electric power system adequacy or reliability	Fuel Supply Deficiency	675	Unknown
January	01/02/2018	7:30 AM	Unknown	Unknown	South Carolina:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	Severe Weather	0	717000
January	01/02/2018	6:45 AM	01/02/2018	9:00 AM	North Carolina: South Carolina:	SERC	System-wide voltage reductions of 3 percent or more	Severe Weather	14998	Unknown
January	01/04/2018	1:49 AM	01/04/2018	2:09 AM	Texas: Midland County;	TRE	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Actual Physical Attack	Unknown	500
January	01/12/2018	1:08 PM	01/12/2018	2:53 PM	Michigan: Midland County, Genesee County;	RF	Cyber event that causes interruptions of electrical system operations	System Operations	41	23007
January	01/15/2018	4:20 AM	01/18/2018	5:48 AM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	Severe Weather	Unknown	Unknown
January	01/16/2018	3:00 PM	01/18/2018	1:00 PM	Tennessee:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	Severe Weather	Unknown	Unknown
January	01/16/2018	3:00 PM	01/18/2018	1:00 PM	Tennessee: Shelby County;	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	System Operations	Unknown	Unknown
January	01/16/2018	1:57 PM	01/16/2018	2:32 PM	Texas:	TRE	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system	Severe Weather	Unknown	Unknown

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January	01/17/2018	5:10 AM	01/17/2018	1:00 PM	Mississippi:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	System Operations	1788	420000
January	01/17/2018	6:10 AM	01/17/2018	2:00 PM	Louisiana:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	System Operations	Unknown	Unknown
January	01/18/2018	5:00 AM	01/18/2018	11:00 AM	Arkansas: Mississippi: Louisiana: Texas:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	Severe Weather	31500	Unknown
January	01/18/2018	5:00 AM	01/18/2018	9:45 AM	Mississippi:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	System Operations	1760	420000
January	01/18/2018	6:00 AM	Unknown	Unknown	Louisiana:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	System Operations	Unknown	Unknown
January	01/25/2018	8:19 PM	01/26/2018	2:00 AM	Pennsylvania: Montgomery County;	RF	Cyber event that could potentially impact electric power system adequacy or reliability	Suspicious Activity	Unknown	Unknown
February	02/04/2018	1:42 PM	02/04/2018	3:25 PM	California:	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	9760	0
February	02/08/2018	1:25 PM	02/08/2018	1:31 PM	California:	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system	System Operations	30	10900
February	02/17/2018	4:33 PM	02/18/2018	12:00 AM	Oregon: Washington: California:	WECC	Physical attack that causes major interruptions or impacts to critical infrastructure facilities or to operations	Vandalism	2330	0
February	02/17/2018	5:56 PM	02/18/2018	4:11 AM	Oregon: Washington: California:	WECC	Physical attack that causes major interruptions or impacts to critical infrastructure facilities or to operations	Vandalism	2327	0
February	02/28/2018	12:08 PM	03/01/2018	3:45 PM	Florida:	FRCC	Cyber event that could potentially impact electric power system adequacy or reliability	System Operations	0	0
February	02/28/2018	12:08 PM	03/01/2018	3:45 PM	Florida:	FRCC	Cyber event that could potentially impact electric power system adequacy or reliability	System Operations	0	0

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March	03/01/2018	11:43 AM	03/01/2018	11:56 AM	California:	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system	Severe Weather	38	10898
March	03/01/2018	9:57 PM	03/02/2018	10:14 AM	Ohio:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	86501
March	03/01/2018	10:20 PM	03/04/2018	8:00 PM	Michigan: Wayne County, Washtenaw County, Oakland County, Macomb County, Monroe County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	95000
March	03/02/2018	5:00 PM	03/06/2018	11:00 AM	Delaware: Maryland:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	60000
March	03/02/2018	11:17 PM	03/03/2018	12:51 AM	Washington: Clark 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
March	03/02/2018	3:10 PM	03/06/2018	4:57 AM	Ohio:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	249322
March	03/02/2018	11:34 AM	Unknown	Unknown	New York:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	50000
March	03/02/2018	3:46 PM	03/04/2018	7:46 PM	New York: New York County, Westchester County;	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	72353
March	03/02/2018	1:51 PM	03/05/2018	1:18 PM	Connecticut: Massachusetts: Rhode Island:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	325000
March	03/02/2018	1:51 PM	03/04/2018	12:11 PM	Pennsylvania:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	233136
March	03/02/2018	11:58 AM	Unknown	Unknown	Pennsylvania: Berks County, Bucks County, Carbon County, Chester County, Clinton County, Columbia County, Cumberland County, Dauphin County, Juniata County, Lackawanna County, Lancaster County, Lebanon County, Lehigh County, Luzerne County, Lycoming County, Monroe County, Montgomery County, Montour County, Northampton County, Northumberland County, Pike County, Schuylkill County, Snyder County;	RF	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system	Severe Weather	Unknown	126000
March	03/02/2018	12:00 PM	03/05/2018	12:00 AM	Pennsylvania:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	630000

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March	03/02/2018	7:00 AM	Unknown	Unknown	New York: Dutchess County, Orange County, Greene County, Ulster County, Putnam County, Sullivan County, Albany County, Columbia County;	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	90000
March	03/02/2018	12:00 PM	Unknown	Unknown	Maryland:	RF	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	Severe Weather	670	474019
March	03/02/2018	8:42 AM	Unknown	Unknown	New York:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	63331
March	03/02/2018	8:00 AM	03/03/2018	11:00 PM	Virginia: West Virginia:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	65198
March	03/07/2018	4:10 PM	03/10/2018	11:32 AM	New Jersey:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	216800
March	03/07/2018	5:15 PM	Unknown	Unknown	New Jersey:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	50	58000
March	03/07/2018	12:00 PM	03/07/2018	5:00 PM	Pennsylvania:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	120000
March	03/07/2018	7:37 PM	03/10/2018	4:35 PM	Connecticut: Massachusetts: Maine: New Hampshire: Rhode Island: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	102000
March	03/12/2018	12:00 AM	04/06/2018	11:00 AM	New York: Dutchess County;	NPCC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	0	0
March	03/13/2018	8:50 AM	03/14/2018	11:22 PM	Massachusetts: Rhode Island:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	123629
March	03/13/2018	12:10 AM	03/13/2018	12:34 AM	Colorado:	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Suspicious Activity	0	0
March	03/19/2018	11:29 PM	03/20/2018	3:37 AM	Alabama: Georgia:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	261	78220
March	03/20/2018	7:00 PM	03/25/2018	6:30 AM	New Jersey: Atlantic County, Camden County, Cape May County, Gloucester County, Salem County, Cumberland County, Burlington County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	80	124000
March	03/24/2018	10:30 PM	03/26/2018	8:00 PM	Virginia: West Virginia:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	81227
March	03/26/2018	3:05 AM	03/26/2018	3:35 AM	California:	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

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March	03/28/2018	3:00 PM	03/28/2018	4:00 PM	Washington: Walla Walla County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	12	1185
April	04/03/2018	11:15 AM	04/03/2018	11:30 AM	California:	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
April	04/04/2018	4:42 PM	04/07/2018	6:22 AM	New York:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	72896
April	04/05/2018	12:50 AM	04/05/2018	4:00 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	65932
April	04/09/2018	10:07 AM	04/09/2018	4:00 PM	Washington: Walla Walla 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
April	04/09/2018	12:16 PM	04/09/2018	1:52 PM	Utah: Salt Lake County;	WECC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	Transmission Interruption	806	57000
April	04/09/2018	11:16 AM	Unknown	Unknown	Utah:	WECC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	Transmission Interruption	300	250000
April	04/09/2018	11:10 PM	04/10/2018	6:47 AM	Florida: Palm Beach County;	FRCC	Physical attack that causes major interruptions or impacts to critical infrastructure facilities or to operations	Sabotage	55	27000
April	04/14/2018	9:30 AM	04/14/2018	10:00 AM	Louisiana: Arkansas: Mississippi: Texas:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	56350
April	04/15/2018	7:30 AM	04/18/2018	7:30 AM	Michigan:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	389591
April	04/15/2018	5:14 PM	04/15/2018	11:25 PM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	78100
May	05/02/2018	2:52 PM	05/02/2018	4:14 PM	North Carolina:	SERC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	0	0
May	05/04/2018	2:00 PM	05/05/2018	9:30 AM	Michigan: Calhoun County, Genesee County, Ingham County, Kent County, Macomb County, Midland County, Saginaw County, Gratiot County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	90000
May	05/04/2018	12:00 PM	05/06/2018	1:00 PM	Michigan:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	300000
May	05/04/2018	8:10 PM	Unknown	Unknown	New York:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	106150

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May	05/04/2018	11:10 PM	05/05/2018	12:40 AM	New Hampshire: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	56000
May	05/05/2018	4:30 AM	05/05/2018	3:30 PM	Vermont: New Hampshire: Maine:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	31900
May	05/07/2018	10:30 AM	05/07/2018	10:36 AM	New York: Tompkins County;	NPCC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Suspected Physical Attack	0	0
May	05/08/2018	4:00 PM	05/08/2018	4:01 PM	Utah: Washington County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Actual Physical Attack	0	0
May	05/14/2018	7:08 PM	Unknown	Unknown	Virginia:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	112000
May	05/15/2018	2:50 PM	Unknown	Unknown	Pennsylvania: Lehigh County, Schuylkill County, Cumberland County, Lancaster County, Northampton County, Berks County, Clinton County, Susquehanna County, Bucks County, Carbon County, Chester County, Columbia County, Juniata County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	114000
May	05/15/2018	4:00 PM	Unknown	Unknown	New York: Dutchess County, Ulster County, Orange County;	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	72000
May	05/15/2018	5:25 PM	Unknown	Unknown	New Jersey:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	82372
May	05/15/2018	6:14 PM	05/15/2018	7:00 PM	Pennsylvania:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	52872
May	05/15/2018	6:35 PM	05/18/2018	3:57 PM	Connecticut: Massachusetts: Rhode Island:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	120000
May	05/15/2018	3:00 PM	05/18/2018	1:48 PM	Massachusetts:	NPCC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	0	0
May	05/15/2018	5:15 PM	Unknown	Unknown	New York:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	49999
May	05/17/2018	1:11 AM	Unknown	Unknown	California: Contra Costa County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	70	70000
May	05/17/2018	1:11 AM	05/18/2018	12:38 AM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Transmission Disruption	124	70000
May	05/26/2018	6:40 PM	05/27/2018	11:50 PM	Texas: Harris County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	163932
June	06/02/2018	5:00 AM	06/02/2018	11:00 AM	Missouri: Jackson County, Clay County, Platte County, Andrew County; Kansas: Johnson County;	SPP RE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	103535

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June	06/04/2018	8:50 AM	06/04/2018	2:00 PM	Florida: Alachua County;	FRCC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	0	0
June	06/09/2018	9:54 AM	06/09/2018	12:12 PM	Georgia:	SERC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more	System Operations	0	0
June	06/10/2018	2:25 PM	06/11/2018	5:58 AM	Kentucky:	SERC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more	System Operations	Unknown	Unknown
June	06/12/2018	4:15 PM	Unknown	Unknown	Nevada: Clark County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
June	06/12/2018	3:00 PM	06/12/2018	3:15 PM	California: Kern County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
June	06/18/2018	6:20 PM	06/19/2018	12:15 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	112927
June	06/20/2018	10:58 PM	06/21/2018	6:05 AM	Florida: Palm Beach County;	FRCC	Complete operational failure or shut-down of the transmission and/or distribution of electrical system	Transmission Interruption	73	27000
June	06/22/2018	2:38 PM	Unknown	Unknown	Washington:	WECC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system	Severe Weather	10000	4200000
June	06/27/2018	2:30 PM	06/27/2018	2:33 PM	New York: New York County;	NPCC	Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. Or suspicious device or activity at its Bulk Electric System control center	Suspicious Activity	0	0
June	06/28/2018	6:36 PM	07/01/2018	7:00 AM	Missouri: Illinois:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	112000
June	06/28/2018	2:50 PM	06/29/2018	9:00 AM	Alabama: Georgia:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	160	48109
June	06/29/2018	7:35 AM	06/29/2018	9:30 AM	Minnesota: St. Louis County;	MRO	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident	Severe Weather	350	Unknown

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June	06/29/2018	3:38 AM	Unknown	Unknown	Kentucky:	SERC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more	System Operations	Unknown	Unknown
June	06/30/2018	12:30 PM	06/30/2018	12:31 PM	California: Los Angeles County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
June	06/30/2018	10:45 AM	06/30/2018	11:28 AM	Texas: Travis County, Williamson County;	TRE	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
July	07/04/2018	10:00 PM	07/04/2018	10:30 PM	Colorado: Pueblo County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	Unknown	5058
July	07/04/2018	5:54 PM	07/04/2018	7:20 PM	Tennessee:	SERC	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
July	07/09/2018	1:10 PM	07/09/2018	2:45 PM	California: Merced County, Kern County; Nevada: Clark 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
July	07/11/2018	3:40 PM	07/11/2018	4:00 PM	Tennessee:	SERC	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident	Transmission Interruption	425	26195
July	07/11/2018	12:58 AM	Unknown	Unknown	California:	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability	Fuel Supply Deficiency	0	0
July	07/14/2018	10:20 AM	Unknown	Unknown	Ohio:	RF	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	Unknown	Unknown
July	07/16/2018	5:15 AM	Unknown	Unknown	California: Merced County;	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability	Fuel Supply Deficiency	0	0
July	07/18/2018	5:28 PM	07/18/2018	5:31 PM	Oregon:	WECC	Total generation loss, within one minute of: greater than or equal to 2,000 Megawatts in the Eastern or Western Interconnection or greater than or equal to 1,400 Megawatts in the ERCOT Interconnection.	Severe Weather/Transmission Interruption	Unknown	Unknown
July	07/18/2018	4:00 AM	Unknown	Unknown	California: Fresno County;	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability	Fuel Supply Deficiency	0	0

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July	07/19/2018	8:25 PM	Unknown	Unknown	Kentucky:	SERC	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	Unknown	Unknown
July	07/19/2018	12:38 PM	07/19/2018	1:22 PM	Louisiana: Rapides Parish;	SERC	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
July	07/20/2018	12:46 PM	07/20/2018	1:30 PM	Maine: Hancock County;	NPCC	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.	System Operations	0	0
July	07/20/2018	4:19 PM	07/20/2018	4:48 PM	Kentucky:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	87833
July	07/21/2018	4:45 AM	07/21/2018	11:15 AM	Arkansas:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	64930
July	07/21/2018	7:20 AM	07/21/2018	11:30 AM	Georgia:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	143	42901
July	07/23/2018	4:16 AM	07/23/2018	4:29 AM	Florida: Pinellas County;	FRCC	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	40	Unknown
July	07/26/2018	8:24 PM	Unknown	Unknown	California: Shasta County;	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System	Natural Disaster	Unknown	Unknown
July	07/27/2018	4:28 PM	07/27/2018	4:33 PM	New York: New York County;	NPCC	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
July	07/27/2018	9:34 AM	07/27/2018	9:51 AM	Washington: Clark County;	WECC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system	System Operations	Unknown	Unknown
July	07/28/2018	11:11 PM	07/29/2018	1:51 AM	Nevada: Nye 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

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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	07/29/2018	2:33 PM	07/29/2018	6:23 PM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Natural Disaster	83	57670
July	07/30/2018	6:30 AM	07/30/2018	11:00 PM	Arizona: Maricopa County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	82000
July	07/31/2018	11:44 AM	07/31/2018	2:17 PM	California: Kern County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Suspicious Activity	Unknown	Unknown
August	08/01/2018	9:11 AM	08/01/2018	10:56 AM	Montana:	WECC	Physical attack that causes major interruptions or impacts to critical infrastructure or to operations.	Vandalism	0	0
August	08/04/2018	8:20 AM	08/04/2018	8:21 AM	California: Kern County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	Unknown	Unknown
August	08/07/2018	1:22 AM	08/07/2018	1:59 AM	California: Butte County;	WECC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system.	Natural Disaster	5	485
August	08/07/2018	1:22 AM	08/07/2018	7:04 PM	California: Butte County;	WECC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system.	Natural Disaster	27	11383
August	08/14/2018	9:00 PM	08/14/2018	9:01 PM	Virginia: Hanover 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	0	0
August	08/15/2018	12:00 AM	08/15/2018	1:00 AM	Missouri: Boone County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
August	08/17/2018	1:07 PM	08/17/2018	1:40 PM	California:	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
August	08/19/2018	3:20 PM	08/19/2018	3:21 PM	Utah: Box Elder County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
August	08/20/2018	10:46 PM	08/21/2018	12:14 AM	Louisiana:	SERC	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

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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	08/24/2018	12:24 PM	08/24/2018	12:59 PM	Virginia: Roanoke County;	SERC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
August	08/26/2018	10:00 PM	08/27/2018	4:56 AM	Michigan: Muskegon County, Newaygo County, Oceana County, Mason County, Kent County, Mecosta County, Montcalm County, Isabella County, Midland County, Saginaw County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	67000
August	08/28/2018	11:41 PM	08/29/2018	12:13 AM	Ohio: Montgomery County;	RF	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
August	08/28/2018	8:00 PM	08/30/2018	2:59 PM	Michigan: Benzie County, Barry County, Grand Traverse County, Kalkaska County, Mason County, Oceana County, Muskegon County, Kent County, Newaygo County, Montcalm County, Mecosta County, Antrim County, Eaton County, Ionia County, Isabella County, Clare County, Saginaw County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	110000
August	08/29/2018	3:27 AM	08/29/2018	4:00 AM	Maryland: Montgomery County; District of Columbia:	RF	Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. OR suspicious device or activity at its Bulk Electric System control center.	Suspicious Activity	0	0
August	08/29/2018	12:00 AM	08/30/2018	12:00 AM	Illinois:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	100000
August	08/29/2018	9:00 AM	08/29/2018	9:06 AM	Arkansas:	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	0	0
August	08/30/2018	12:00 PM	08/30/2018	12:20 PM	California:	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

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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	08/31/2018	3:07 PM	08/31/2018	3:31 PM	Oregon:	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).	Natural Disaster/Transmission Interruption	96	50000
August	08/31/2018	6:34 PM	08/31/2018	6:40 PM	New York: New York County, Westchester County;	NPCC	Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. OR suspicious device or activity at its Bulk Electric System control center.	Suspicious Activity	0	0
September	09/01/2018	12:00 AM	09/01/2018	3:22 PM	Arkansas:	SPP RE	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
September	09/05/2018	1:00 PM	09/05/2018	1:01 PM	California: Kern County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	Unknown	Unknown
September	09/06/2018	2:26 AM	09/06/2018	2:27 AM	Florida: Hillsborough County;	FRCC	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	0	0
September	09/12/2018	10:00 PM	09/12/2018	10:05 PM	Texas:	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
September	09/13/2018	8:56 PM	09/20/2018	7:00 PM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	1457583
September	09/13/2018	8:30 PM	09/19/2018	5:00 PM	North Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	300	325000
September	09/15/2018	3:00 PM	09/15/2018	6:00 PM	Mississippi: Forrest County;	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	System Operations	1322	420000

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September	09/15/2018	1:05 AM	09/17/2018	4:00 PM	South Carolina: Horry County, Chesterfield County, Dillon County, Georgetown County, Marlboro County, Darlington County;	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	50100
September	09/15/2018	3:00 PM	09/15/2018	6:00 PM	Louisiana:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	System Operations	Unknown	Unknown
September	09/16/2018	8:00 AM	09/18/2018	7:40 PM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	50000
September	09/19/2018	11:00 AM	09/20/2018	12:00 PM	Indiana: Benton County;	RF	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
September	09/20/2018	12:39 PM	Unknown	Unknown	Nevada: Clark County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
September	09/22/2018	3:23 PM	09/22/2018	11:00 PM	California: Los Angeles 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).	Natural Disaster	3507	2500
September	09/25/2018	12:33 AM	09/25/2018	3:10 AM	Illinois:	SERC	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
September	09/26/2018	1:54 PM	09/26/2018	5:58 PM	Texas: Harris County;	TRE	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	0	0
September	09/28/2018	6:58 PM	09/28/2018	7:29 PM	Ohio:	RF	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
October	10/01/2018	12:44 PM	10/01/2018	5:32 PM	Ohio: Indiana: Michigan: Kentucky: West Virginia: Virginia:	RF	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	Unknown	Unknown
October	10/03/2018	7:38 AM	10/03/2018	7:48 AM	Illinois:	SERC	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

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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	10/04/2018	6:00 AM	10/04/2018	8:00 AM	Oklahoma: Osage County;	SPP RE	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	4	2089
October	10/04/2018	4:01 PM	10/04/2018	6:25 PM	California:	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Suspicious Activity	0	0
October	10/09/2018	8:12 PM	10/09/2018	9:12 PM	Colorado: El Paso County;	WECC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more; 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
October	10/10/2018	11:59 AM	Unknown	Unknown	Florida: Alabama: Georgia:	FRCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	152	45604
October	10/10/2018	4:00 PM	10/19/2018	6:00 AM	Florida:	FRCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	330	55000
October	10/10/2018	5:00 PM	10/15/2018	5:00 AM	Utah:	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
October	10/10/2018	2:00 PM	10/11/2018	6:00 AM	Florida:	FRCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	135	60717
October	10/10/2018	5:41 AM	10/10/2018	7:54 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
October	10/11/2018	4:42 PM	10/12/2018	9:00 PM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	170222
October	10/11/2018	6:55 PM	10/12/2018	12:00 PM	North Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	117000
October	10/11/2018	1:15 PM	Unknown	Unknown	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	240807
October	10/11/2018	7:21 AM	10/11/2018	3:00 PM	South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	71654
October	10/12/2018	3:36 AM	10/12/2018	1:56 PM	Maryland: Garrett County;	RF	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	0	0
October	10/14/2018	10:11 PM	Unknown	Unknown	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Natural Disaster	Unknown	60000

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October	10/16/2018	4:15 AM	10/16/2018	5:11 PM	Connecticut: Rhode Island: Massachusetts: Vermont: New Hampshire: Maine:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	18000
October	10/21/2018	12:16 AM	10/21/2018	4:14 PM	West Virginia:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	63408
October	10/22/2018	10:25 AM	10/22/2018	10:31 AM	Utah: Salt Lake County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
October	10/24/2018	12:32 PM	10/24/2018	1:33 PM	Michigan: Wayne County;	RF	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
October	10/29/2018	5:00 AM	11/07/2018	7:00 AM	California: Shasta 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
October	10/29/2018	8:39 AM	Unknown	Unknown	Minnesota: Douglas County;	MRO	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	0	0
October	10/30/2018	2:02 PM	10/30/2018	2:42 PM	Maryland: Baltimore, City of;	RF	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
October	10/31/2018	7:30 PM	11/01/2018	6:55 PM	Texas: Harris County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	402	140932
November	11/02/2018	9:50 AM	Unknown	Unknown	Minnesota: Douglas County;	MRO	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Vandalism	0	0
November	11/03/2018	5:53 AM	11/03/2018	5:57 AM	Illinois:	SERC	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
November	11/03/2018	5:20 PM	11/04/2018	2:30 PM	Connecticut: Massachusetts: New Hampshire: Vermont: Maine: Rhode Island:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	62000
November	11/06/2018	9:49 AM	11/09/2018	2:05 PM	Tennessee:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	61000
November	11/08/2018	7:16 AM	11/28/2018	4:32 PM	California: Butte County;	WECC	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system	Natural Disaster/Transmission Interruption	32	11844

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November	11/08/2018	4:00 PM	Unknown	Unknown	Nevada: Carson City, Consolidated Municipality off[19];	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
November	11/09/2018	9:02 AM	11/09/2018	10:23 AM	Iowa: Muscatine County;	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
November	11/10/2018	5:02 PM	11/14/2018	3:00 PM	Wisconsin:	MRO	Fuel supply emergencies that could impact electric power system adequacy or reliability	Fuel Supply Deficiency	0	0
November	11/13/2018	6:19 PM	11/13/2018	7:40 PM	Arkansas: Oklahoma: Louisiana: Texas:	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
November	11/15/2018	10:50 AM	11/17/2018	1:12 PM	Virginia: West Virginia:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	50600
November	11/15/2018	3:23 AM	11/15/2018	5:35 PM	Kentucky:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	150000
November	11/15/2018	5:28 AM	11/15/2018	8:35 AM	Indiana:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	55000
November	11/15/2018	5:38 AM	11/16/2018	6:00 AM	Kentucky: Ohio:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	104000
November	11/18/2018	1:10 PM	Unknown	Unknown	Nebraska: Holt County;	MRO	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	2	0
November	11/25/2018	10:30 PM	11/28/2018	8:17 PM	Illinois: Will County, DuPage County, Kane County, McHenry County, Winnebago County, Ogle County, DeKalb County, Lee County, Grundy County, Lake County, Cook County, Livingston County, Stephenson County, LaSalle County, Kankakee County, Kendall County, Boone	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	313448
November	11/27/2018	8:00 AM	11/28/2018	4:50 PM	Maine: New Hampshire: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	32000
December	12/01/2018	9:40 AM	12/04/2018	5:17 PM	Pennsylvania:	RF	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
December	12/01/2018	4:23 PM	12/01/2018	5:09 PM	Florida: Leon County;	FRCC	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

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December	12/02/2018	4:17 PM	12/02/2018	8:30 PM	Maryland:	RF	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
December	12/03/2018	3:15 AM	12/03/2018	3:44 AM	Texas:	TRE	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	16	Unknown
December	12/05/2018	8:00 AM	12/06/2018	8:00 AM	Alabama: Chambers County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
December	12/05/2018	12:48 PM	12/05/2018	12:49 PM	California: Los Angeles County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
December	12/07/2018	3:10 AM	12/07/2018	4:35 AM	Utah: Weber County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.	Actual Physical Attack	0	0
December	12/09/2018	3:35 AM	12/10/2018	11:45 PM	North Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather/Transmission Interruption	Unknown	50000
December	12/09/2018	11:28 PM	12/10/2018	1:30 AM	Virginia: Loudoun County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
December	12/09/2018	8:41 AM	12/09/2018	6:00 PM	North Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	70000
December	12/09/2018	12:23 AM	12/09/2018	11:54 AM	Alabama: Georgia:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	137	41126
December	12/11/2018	7:00 AM	12/13/2018	2:00 PM	Oregon: Josephine 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
December	12/11/2018	9:10 AM	12/11/2018	10:26 AM	Texas: Travis County;	TRE	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
December	12/12/2018	10:00 AM	12/12/2018	10:31 AM	Oregon: Gilliam 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

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December	12/13/2018	10:00 AM	Unknown	Unknown	California: Stanislaus County, San Joaquin County;	WECC	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
December	12/14/2018	4:00 PM	12/17/2018	2:00 AM	Washington: King County, Kitsap County, Island County, Pierce County, Thurston County, Whatcom County, Skagit County, Kittitas County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	150000
December	12/14/2018	6:00 PM	Unknown	Unknown	Washington: Snohomish County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	200	60000
December	12/14/2018	8:40 AM	12/14/2018	10:00 AM	Texas: Jasper 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
December	12/18/2018	8:47 AM	12/18/2018	8:48 AM	Utah: Salt Lake County; California: Oregon;	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
December	12/20/2018	9:30 AM	12/20/2018	5:00 PM	Washington: Skagit County, Snohomish County, King County, Kitsap County, Island County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	165000
December	12/26/2018	1:00 AM	01/03/2019	10:27 AM	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
December	12/27/2018	9:12 PM	12/27/2018	9:16 PM	New York: New York County;	NPCC	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	Unknown
December	12/27/2018	12:05 AM	12/27/2018	1:05 AM	Maryland: Montgomery County, Prince George's County; District of Columbia:	RF	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
December	12/27/2018	12:50 PM	12/27/2018	1:00 PM	California: Kern County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0

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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	12/30/2018	11:41 AM	12/30/2018	1:20 PM	Washington: King 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