

OE-417 Electric Emergency and Disturbance Report - Calendar Year 2021

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	01/01/2021	7:04 AM	01/01/2021	7:05 AM	California: Alameda 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	01/02/2021	10:28 AM	01/02/2021	10:29 AM	California: Butte 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.	System Operations	8	5803
January	01/04/2021	10:34 AM	01/04/2021	10:49 AM	Pennsylvania:	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	6	3825
January	01/08/2021	1:26 AM	01/08/2021	2:45 AM	Arkansas: Prairie County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Sabotage	Unknown	1908
January	01/10/2021	10:44 PM	01/13/2021	4:00 PM	Texas: Anderson County, Angelina County, Dallas County, Freestone County, Henderson County, Houston County, Leon County, Nacogdoches County, Smith County, Tarrant County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	188000
January	01/11/2021	5:00 AM	01/11/2021	2:22 PM	Louisiana: Texas:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather/Distribution Interruption	Unknown	58000
January	01/12/2021	11:50 PM	01/15/2021	1:00 PM	Washington: Kitsap County, Thurston County, King County, Pierce County, Skagit County, Whatcom 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	100	320000
January	01/12/2021	8:46 PM	01/13/2021	4:00 PM	Oregon: Clackamas County, Multnomah County, Washington County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	94231
January	01/12/2021	11:49 PM	01/14/2021	2:00 PM	Washington:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather/Distribution Interruption	150	70000
January	01/12/2021	8:30 PM	Unknown	Unknown	Washington: Snohomish County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather/Transmission Interruption	200	62000
January	01/13/2021	3:43 AM	01/13/2021	4:00 PM	Washington: Idaho:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	185	70417
January	01/13/2021	1:05 PM	01/13/2021	1:06 PM	Georgia: Houston County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
January	01/15/2021	5:48 PM	01/15/2021	6:55 PM	Missouri:	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
January	01/18/2021	2:07 PM	01/18/2021	2:42 PM	Connecticut:	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
January	01/19/2021	9:31 AM	01/21/2021	2:36 PM	California: Kern County, Los Angeles County, Riverside County, San Bernardino County, Ventura County, Orange County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	173746
January	01/19/2021	2:48 AM	01/20/2021	11:41 AM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	411	124888
January	01/21/2021	12:00 AM	02/03/2021	4:55 PM	Texas: Louisiana: Arkansas: Pulaski County; Mississippi:	TRE	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
January	01/23/2021	7:00 AM	01/27/2021	1:45 PM	Georgia: Laurens 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.	Cyber Event	29	Unknown
January	01/23/2021	7:45 AM	01/23/2021	8:00 AM	California: Placer County, Nevada 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	45	0
January	01/26/2021	8:49 PM	01/28/2021	9:14 PM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	841	255715
January	01/27/2021	12:30 PM	01/27/2021	4:18 PM	New Hampshire: Hillsborough County;	NPCC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
January	01/28/2021	10:15 AM	01/28/2021	4:46 PM	New Hampshire: Hillsborough County;	NPCC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
February	02/01/2021	11:25 PM	02/02/2021	1:12 AM	Texas: Kleberg 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	13	6102

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February	02/02/2021	12:34 PM	02/02/2021	3:43 PM	South Dakota: Hughes County;	MRO	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	5	4
February	02/02/2021	9:25 AM	02/03/2021	11:38 AM	South Dakota: Hughes County;	MRO	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	5	3
February	02/03/2021	2:22 PM	02/04/2021	10:32 PM	North Dakota: Logan County, Emmons County, McIntosh 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	7	1400
February	02/05/2021	9:43 AM	02/05/2021	11:19 AM	Arkansas: Arkansas County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
February	02/06/2021	6:50 AM	02/06/2021	2:43 PM	Ohio: Kentucky;	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
February	02/07/2021	6:57 AM	02/07/2021	7:34 AM	Texas: Cameron 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
February	02/08/2021	7:04 AM	02/08/2021	2:10 PM	Minnesota: St. Louis 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	0	0
February	02/08/2021	6:19 PM	02/08/2021	6:29 PM	New Hampshire: Hillsborough County;	NPCC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
February	02/09/2021	1:00 PM	02/10/2021	2:21 PM	Oregon: Tillamook County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
February	02/09/2021	10:51 AM	Unknown	Unknown	North Carolina:	SERC	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
February	02/10/2021	3:00 PM	02/23/2021	3:00 PM	Texas:	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	2000000
February	02/11/2021	8:30 AM	02/22/2021	9:00 AM	Illinois: Scott County;	SERC	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	Unknown	Unknown
February	02/11/2021	7:21 PM	02/11/2021	9:20 PM	Colorado: Morgan 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	0	0
February	02/11/2021	1:00 PM	Unknown	Unknown	Kansas:	MRO	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	0	0
February	02/12/2021	9:00 PM	02/20/2021	5:15 PM	Oregon: Clackamas County, Marion County, Polk County, Multnomah County, Washington County, Yamhill County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	300187
February	02/12/2021	3:30 PM	02/22/2021	7:30 AM	Texas:	TRE	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	Unknown	Unknown
February	02/13/2021	9:56 AM	02/13/2021	11:01 AM	Washington: Lewis County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	164	37583
February	02/13/2021	1:30 PM	02/20/2021	8:00 AM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/13/2021	1:30 PM	02/19/2021	9:00 PM	West Virginia: Virginia;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	55097
February	02/13/2021	8:32 AM	02/14/2021	3:00 PM	South Carolina: North Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	129000
February	02/14/2021	8:30 AM	02/19/2021	6:00 PM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	7214	Unknown
February	02/14/2021	8:30 AM	02/19/2021	6:00 PM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/14/2021	5:30 AM	02/18/2021	10:00 AM	Oklahoma:	MRO	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/14/2021	8:21 PM	02/18/2021	9:30 AM	Arkansas: Louisiana: Texas: Oklahoma:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	461	125484

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February	02/14/2021	8:00 PM	02/18/2021	9:28 AM	North Dakota: South Dakota: Nebraska: Kansas: Oklahoma: Texas:	MRO	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	3000	Unknown
February	02/14/2021	7:05 PM	Unknown	Unknown	Missouri: Kansas:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/14/2021	8:32 PM	Unknown	Unknown	Nebraska: Lancaster County;	MRO	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	0	0
February	02/14/2021	6:00 PM	02/16/2021	10:00 PM	Missouri: Jasper County;	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	0	0
February	02/15/2021	1:20 AM	02/18/2021	12:42 AM	Texas: Hidalgo County, Cameron County;	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	Unknown	Unknown
February	02/15/2021	1:20 AM	02/18/2021	12:02 AM	Texas: Harris County;	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	4966	1390000
February	02/15/2021	4:00 PM	02/15/2021	6:34 PM	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
February	02/15/2021	12:00 AM	Unknown	Unknown	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	500	Unknown
February	02/15/2021	5:36 AM	Unknown	Unknown	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	300	Unknown
February	02/15/2021	1:00 PM	02/20/2021	10:00 AM	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	Unknown	175000
February	02/15/2021	1:54 AM	02/17/2021	11:56 PM	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	524	Unknown
February	02/15/2021	1:20 AM	02/19/2021	9:00 AM	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	7214	Unknown
February	02/15/2021	3:00 PM	02/19/2021	10:00 AM	Louisiana:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/15/2021	2:51 AM	02/19/2021	9:00 AM	Texas: Travis County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	219306
February	02/15/2021	1:54 AM	02/19/2021	9:00 AM	Texas: Travis County;	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	724	Unknown
February	02/15/2021	3:06 AM	Unknown	Unknown	Texas: Bexar County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	154000
February	02/15/2021	5:27 AM	02/18/2021	8:18 AM	Texas:	TRE	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	Unknown	Unknown
February	02/15/2021	1:23 AM	02/19/2021	5:30 AM	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	Unknown	Unknown
February	02/15/2021	8:50 AM	02/18/2021	9:30 AM	Kansas:	MRO	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/15/2021	7:00 AM	02/18/2021	9:00 AM	Oklahoma:	MRO	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	0	0
February	02/15/2021	7:48 PM	02/18/2021	10:30 AM	Oklahoma: Kay County;	MRO	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	0	Unknown
February	02/15/2021	10:24 AM	02/18/2021	9:52 AM	Texas: Lubbock County;	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	116	29942
February	02/15/2021	6:00 PM	02/15/2021	11:55 PM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/15/2021	5:40 AM	02/16/2021	1:11 PM	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	800	Unknown
February	02/15/2021	6:45 AM	Unknown	Unknown	Texas: Arkansas:	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	Unknown
February	02/15/2021	5:00 AM	02/17/2021	4:00 PM	Arkansas: Pulaski County;	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/15/2021	5:00 PM	02/15/2021	10:59 PM	Mississippi:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown

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February	02/15/2021	7:52 AM	02/17/2021	2:15 PM	Texas: Austin County, Bastrop County, Burleson County, Caldwell County, Colorado County, Fayette County, Gonzales County, Guadalupe County, Hays County, Lee County, Milam County, Travis County, Washington County, Williamson County;	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	107	25000
February	02/15/2021	6:51 AM	02/16/2021	1:19 PM	Oklahoma:	MRO	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	350	200000
February	02/15/2021	6:00 PM	02/15/2021	11:59 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
February	02/15/2021	6:00 PM	02/15/2021	11:59 PM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/15/2021	2:00 PM	02/15/2021	6:00 PM	Louisiana:	SERC	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	Unknown	Unknown
February	02/15/2021	1:20 AM	Unknown	Unknown	Texas:	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	360	72000
February	02/15/2021	12:18 PM	02/15/2021	1:22 PM	Missouri: Kansas:	SERC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	Unknown	Unknown
February	02/15/2021	10:00 AM	Unknown	Unknown	Nebraska: Lancaster County;	MRO	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	613	Unknown
February	02/15/2021	9:10 AM	Unknown	Unknown	Texas: Randall County;	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	0	0
February	02/15/2021	5:36 AM	Unknown	Unknown	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	300	Unknown
February	02/15/2021	12:00 AM	Unknown	Unknown	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	500	Unknown
February	02/16/2021	7:03 AM	02/20/2021	10:00 PM	Kansas: Missouri:	MRO	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	Unknown	222000
February	02/16/2021	6:19 PM	Unknown	Unknown	Arkansas:	SERC	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
February	02/16/2021	5:45 PM	02/16/2021	7:15 PM	Texas: Travis County;	TRE	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
February	02/16/2021	6:48 AM	Unknown	Unknown	Louisiana:	SERC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	360	Unknown
February	02/16/2021	6:35 PM	02/17/2021	1:00 AM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Fuel Supply Deficiency	Unknown	Unknown
February	02/16/2021	11:28 PM	Unknown	Unknown	Texas:	TRE	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
February	02/16/2021	4:40 PM	02/20/2021	12:00 AM	Missouri:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/16/2021	5:35 PM	02/17/2021	12:00 AM	Mississippi:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/16/2021	7:20 AM	02/16/2021	10:02 AM	Nebraska: Douglas County, Burt County, Washington County, Dodge County, Colfax County, Saunders County, Sarpy County, Cass County, Otoe County, Johnson County, Nemaha County, Pawnee County, Richardson County;	MRO	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	126	81100
February	02/16/2021	5:30 AM	02/16/2021	2:00 PM	Louisiana: Texas: Illinois:	SERC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	1420	Unknown
February	02/16/2021	7:43 PM	02/16/2021	9:41 PM	Louisiana: Arkansas: Texas: Mississippi:	SERC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	700	Unknown
February	02/16/2021	7:40 PM	02/17/2021	1:00 AM	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	538	Unknown
February	02/16/2021	7:17 AM	02/16/2021	10:08 AM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	168	840000

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February	02/16/2021	6:35 PM	02/17/2021	1:00 AM	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
February	02/16/2021	10:20 AM	02/16/2021	1:20 PM	Oregon: Multnomah County;	WECC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
February	02/16/2021	9:31 AM	02/16/2021	10:27 AM	Nebraska: Custer 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	31	Unknown
February	02/16/2021	5:35 PM	02/17/2021	12:00 AM	Louisiana: Lafayette Parish;	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/16/2021	6:24 AM	02/16/2021	10:41 AM	Louisiana:	SERC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	System Operations	100	18150
February	02/16/2021	1:00 AM	02/16/2021	9:28 PM	Kentucky:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	54167
February	02/16/2021	6:10 AM	Unknown	Unknown	Missouri:	SERC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather/Transmission Interruption	130	Unknown
February	02/16/2021	7:00 AM	Unknown	Unknown	New Jersey: Pennsylvania: Texas: California: Illinois: Colorado:	RF	Cyber event that could potentially impact electric power system adequacy or reliability.	Cyber Event	Unknown	0
February	02/16/2021	7:22 AM	02/16/2021	8:00 AM	Louisiana: Allen Parish, St. Landry Parish, Evangeline Parish;	SERC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	153	Unknown
February	02/16/2021	6:48 AM	Unknown	Unknown	Louisiana: Texas:	SERC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	402	Unknown
February	02/16/2021	4:26 AM	Unknown	Unknown	Texas:	TRE	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	300	Unknown
February	02/17/2021	6:00 PM	02/17/2021	11:00 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
February	02/17/2021	6:00 PM	02/17/2021	11:00 PM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/17/2021	9:00 AM	02/19/2021	9:00 AM	Kansas:	MRO	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	Unknown	Unknown
February	02/17/2021	5:00 PM	02/17/2021	10:00 PM	Mississippi:	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	Unknown	Unknown
February	02/17/2021	10:30 AM	02/17/2021	6:04 PM	North Carolina:	SERC	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
February	02/17/2021	5:00 PM	02/17/2021	10:00 PM	Louisiana: Lafayette Parish;	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	400	67000
February	02/17/2021	6:38 AM	02/17/2021	8:37 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
February	02/19/2021	6:48 AM	Unknown	Unknown	Louisiana: Texas:	SERC	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.	Severe Weather	402	Unknown
February	02/19/2021	9:00 PM	02/20/2021	1:00 PM	Texas:	TRE	Cyber event that causes interruptions of electrical system operations.	Cyber Event	Unknown	0
February	02/19/2021	12:01 PM	02/19/2021	12:41 PM	New York: Broome County;	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	02/27/2021	6:02 AM	02/27/2021	9:51 AM	Oregon: Multnomah County, Clackamas County;	WECC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	Unknown	0
February	02/28/2021	12:42 PM	02/28/2021	1:22 PM	Texas:	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
March	03/01/2021	10:06 AM	03/09/2021	12:00 PM	New York: Greene County;	NPCC	Cyber event that could potentially impact electric power system adequacy or reliability.	Cyber Event	0	0
March	03/01/2021	10:45 PM	03/02/2021	6:35 PM	Connecticut: Massachusetts: New Hampshire: Maine: Rhode Island: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	69260
March	03/01/2021	1:06 PM	03/01/2021	1:07 PM	Texas: Nueces County;	TRE	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0

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March	03/02/2021	1:03 PM	03/02/2021	1:38 PM	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	0	0
March	03/05/2021	2:30 PM	03/05/2021	3:00 PM	Indiana: Hamilton 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
March	03/06/2021	3:21 AM	03/06/2021	4:07 AM	California: Tuolumne 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	22	24000
March	03/08/2021	4:36 AM	03/08/2021	4:37 AM	Washington: Yakima County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
March	03/08/2021	8:54 AM	03/08/2021	8:55 AM	Oregon: Multnomah 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
March	03/11/2021	8:10 AM	03/11/2021	1:00 PM	Washington:	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
March	03/17/2021	6:27 AM	03/17/2021	8:27 AM	Pennsylvania:	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	43	7381
March	03/17/2021	6:15 AM	03/18/2021	12:00 PM	Texas: Dallas County, Tarrant County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	148000
March	03/18/2021	9:08 PM	03/19/2021	10:31 PM	Washington: Okanogan County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	4	916
March	03/19/2021	10:30 AM	03/19/2021	12:00 PM	Louisiana: Lafourche Parish;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	Unknown	4200
March	03/19/2021	7:11 PM	03/19/2021	7:59 PM	New Jersey:	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
March	03/19/2021	8:59 AM	03/19/2021	10:04 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
March	03/21/2021	4:01 AM	03/22/2021	9:37 AM	Minnesota: Hennepin County;	MRO	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
March	03/29/2021	11:06 AM	Unknown	Unknown	Connecticut: Massachusetts; Maine: Vermont; Rhode Island; New Hampshire;	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	70000
March	03/29/2021	10:30 AM	Unknown	Unknown	New Mexico:	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	Unknown	0
March	03/30/2021	4:18 PM	03/30/2021	8:21 PM	Texas: Hidalgo 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
April	04/06/2021	8:49 AM	04/06/2021	8:50 AM	Florida: Alachua County;	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
April	04/07/2021	5:42 PM	04/07/2021	10:09 PM	Ohio: Lake County;	RF	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
April	04/07/2021	10:18 AM	04/07/2021	11:20 AM	Texas:	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
April	04/08/2021	4:51 AM	04/10/2021	8:00 PM	California:	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
April	04/09/2021	1:20 PM	04/10/2021	12:40 AM	Texas: Denton County;	TRE	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
April	04/12/2021	12:44 AM	04/12/2021	5:45 PM	Colorado: Larimer County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Actual Physical Attack	0	0

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April	04/13/2021	9:00 AM	04/13/2021	10:00 AM	Texas: Cameron 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
April	04/13/2021	4:49 PM	04/13/2021	8:30 PM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	0	0
April	04/13/2021	12:37 AM	04/13/2021	4:19 AM	Wisconsin: Eau Claire 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
April	04/14/2021	10:19 AM	04/14/2021	11:39 AM	District of Columbia: Delaware: Maryland: New Jersey: Pennsylvania:	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
April	04/21/2021	8:31 PM	04/21/2021	9:35 PM	Minnesota: Dakota 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	0	0
April	04/21/2021	1:13 PM	04/21/2021	2:10 PM	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
April	04/22/2021	4:43 PM	04/22/2021	5:14 PM	Wisconsin: Dane 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
April	04/22/2021	5:15 AM	Unknown	Unknown	California:	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability.	Fuel Supply Deficiency	0	0
April	04/24/2021	10:08 PM	04/24/2021	11:41 PM	Texas: Cameron 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
April	04/24/2021	9:00 PM	04/25/2021	10:43 AM	Alabama: Calhoun County; Georgia:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	137	18860
April	04/25/2021	8:20 AM	Unknown	Unknown	Tennessee: Davidson County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
April	04/26/2021	11:18 AM	04/26/2021	1:00 PM	Maine: Kennebec County;	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
May	05/02/2021	7:58 PM	05/02/2021	8:22 PM	New Hampshire: Hillsborough County;	NPCC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
May	05/03/2021	11:21 AM	05/03/2021	11:53 AM	Oklahoma: Oklahoma 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
May	05/03/2021	7:52 AM	05/03/2021	7:53 AM	South Carolina: Cherokee 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
May	05/04/2021	3:45 PM	05/05/2021	10:00 AM	Arkansas:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	104027
May	05/04/2021	6:06 PM	05/05/2021	5:48 PM	Mississippi: Alabama: Georgia:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	175	24457
May	05/05/2021	11:50 AM	05/08/2021	11:50 AM	Michigan: Huron 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
May	05/06/2021	5:00 PM	05/06/2021	5:15 PM	Missouri: Jasper County;	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	System Operations	0	0
May	05/10/2021	2:28 AM	05/10/2021	3:21 AM	Pennsylvania:	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
May	05/10/2021	12:17 PM	05/10/2021	12:54 PM	Indiana: Vanderburgh County, Warrick County, Posey County, Daviess County, Gibson County, Knox County, Spencer 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
May	05/11/2021	11:01 PM	05/12/2021	8:29 AM	Texas: Kinney County;	TRE	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	05/11/2021	9:32 AM	05/11/2021	10:38 AM	Wisconsin: Iowa:	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

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May	05/14/2021	10:00 PM	05/17/2021	6:00 AM	Idaho:	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
May	05/14/2021	8:30 AM	05/14/2021	4:00 PM	Pennsylvania: Montgomery County;	RF	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
May	05/18/2021	11:25 PM	05/19/2021	8:30 PM	Texas: Harris County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	125000
May	05/18/2021	12:15 PM	05/18/2021	8:18 PM	Delaware: New Castle County;	RF	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
May	05/20/2021	10:06 AM	05/20/2021	1:45 PM	Florida: Brevard County;	SERC	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	35000
May	05/20/2021	7:25 AM	05/20/2021	7:26 AM	California: Imperial 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
May	05/24/2021	1:14 PM	05/24/2021	1:15 PM	Utah: San Juan 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
May	05/25/2021	12:56 PM	05/25/2021	1:41 PM	Ohio:	RF	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
May	05/27/2021	6:51 PM	05/28/2021	3:56 PM	California: Nevada:	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	0	0
May	05/27/2021	12:05 AM	05/27/2021	12:45 AM	Oregon: Multnomah County;	WECC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
May	05/28/2021	9:24 PM	05/28/2021	9:25 PM	Florida: Duval County;	SERC	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	1850	10000
May	05/28/2021	8:00 PM	05/28/2021	9:29 PM	California: Riverside 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.	Actual Physical Attack	0	655
May	05/28/2021	10:13 PM	05/28/2021	11:34 PM	Minnesota: St. Louis County;	MRO	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
June	06/06/2021	2:57 PM	06/06/2021	4:00 PM	Indiana: Clay 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	Unknown	0
June	06/07/2021	10:27 PM	06/08/2021	12:33 AM	Minnesota: North Dakota:	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).	Severe Weather/Transmission Interruption	23	1
June	06/07/2021	1:26 PM	06/07/2021	1:27 PM	Texas: Somervell County, Ellis County;	TRE	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.	Generation Inadequacy	1435	0
June	06/07/2021	3:19 PM	06/07/2021	6:22 PM	New Mexico: San Juan 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
June	06/08/2021	3:00 PM	06/08/2021	3:01 PM	Texas: Liberty County;	TRE	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
June	06/09/2021	7:09 PM	06/09/2021	8:50 PM	New Mexico: San Juan 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
June	06/10/2021	10:28 PM	06/10/2021	11:07 PM	Kansas: Wyandotte 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	90	9800
June	06/11/2021	3:26 AM	06/11/2021	3:48 AM	South Dakota: Brown 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).	Severe Weather/Transmission Interruption	0	0

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June	06/14/2021	12:55 PM	06/18/2021	7:00 PM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	System Operations	Unknown	Unknown
June	06/14/2021	12:15 PM	06/18/2021	7:00 PM	Texas:	TRE	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	System Operations	Unknown	Unknown
June	06/14/2021	2:10 AM	06/14/2021	2:11 AM	Utah: Salt Lake 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
June	06/15/2021	11:55 AM	06/15/2021	9:17 PM	Texas:	TRE	Cyber event that could potentially impact electric power system adequacy or reliability.	Cyber Event	Unknown	Unknown
June	06/15/2021	11:30 AM	06/15/2021	1:35 PM	Kansas: Wyandotte 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
June	06/16/2021	10:40 AM	06/16/2021	10:43 AM	Louisiana: West Baton Rouge Parish;	SERC	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	7	1841
June	06/16/2021	4:10 AM	06/16/2021	6:39 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
June	06/16/2021	10:25 AM	06/16/2021	3:16 PM	Florida: Alachua County;	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
June	06/19/2021	6:54 PM	06/19/2021	9:01 PM	California: Alameda County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more.	System Operations	93	51806
June	06/21/2021	3:50 PM	06/21/2021	4:50 PM	Arkansas: Benton 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
June	06/21/2021	5:14 AM	06/21/2021	7:00 PM	Michigan:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	151852
June	06/23/2021	3:47 PM	06/23/2021	4:44 PM	Missouri: Boone County;	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
June	06/24/2021	3:34 AM	06/24/2021	5:07 AM	California: Plumas County;	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.	Transmission Interruption	36	7621
June	06/24/2021	7:07 AM	06/24/2021	1:48 PM	Washington: Kittitas County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
June	06/27/2021	8:10 PM	06/27/2021	9:30 PM	North Dakota: Morton County;	MRO	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	4	1003
June	06/27/2021	2:27 AM	06/27/2021	3:30 AM	New York: Jefferson County;	NPCC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	Unknown	982
June	06/28/2021	1:20 PM	Unknown	Unknown	Washington: Spokane County, Stevens County, Lincoln County, Adams County, Whitman County; Idaho: Kootenai County, Bonner County, Shoshone County, Boundary County, Benewah County, Latah County, Nez Perce County;	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.	Severe Weather	44	Unknown
June	06/28/2021	11:22 AM	Unknown	Unknown	North Carolina:	SERC	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
June	06/29/2021	4:00 PM	Unknown	Unknown	Michigan: Oakland County, Macomb County, Wayne County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	53000
June	06/30/2021	6:50 PM	Unknown	Unknown	Connecticut: Massachusetts: Rhode Island: Vermont: New Hampshire: Maine:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more.	Severe Weather	Unknown	53103
July	07/03/2021	11:08 PM	07/04/2021	2:16 AM	New Mexico: Bernalillo County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action. - 17. Facility Physical Threat	Vandalism	45	34509
July	07/04/2021	3:33 PM	07/04/2021	8:32 PM	Washington: Chelan 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	0	0

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July	07/05/2021	5:32 AM	07/05/2021	8:58 AM	New York:	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	0	0
July	07/05/2021	2:04 PM	07/05/2021	2:41 PM	Ohio: Kentucky:	RF/SERC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	Transmission Interruption	0	0
July	07/06/2021	7:41 PM	07/06/2021	9:50 PM	Ohio:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather/Transmission Interruption	Unknown	136827
July	07/07/2021	12:02 AM	07/07/2021	12:20 AM	Florida: Polk County;	SERC	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	450	0
July	07/07/2021	3:30 PM	Unknown	Unknown	Michigan: Macomb County, Oakland County, Monroe County, Livingston County, St. Clair County, Washtenaw County, Wayne County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	90000
July	07/08/2021	5:01 PM	07/08/2021	5:24 PM	New York:	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	07/08/2021	8:29 PM	07/08/2021	8:33 PM	North Dakota: Stark 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).	Severe Weather/Transmission Interruption	88	0
July	07/09/2021	5:44 PM	07/09/2021	9:05 PM	California:	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System	Fuel Supply Deficiency	810	Unknown
July	07/09/2021	8:25 PM	07/10/2021	9:00 PM	California: Shasta County;	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System	Severe Weather	230	47000
July	07/10/2021	12:30 AM	07/10/2021	5:00 AM	Nebraska: Missouri:	MRO/SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather/Transmission Interruption	Unknown	211500
July	07/10/2021	12:00 AM	07/11/2021	4:00 PM	Nebraska:	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	188000
July	07/10/2021	1:55 AM	07/10/2021	1:56 AM	Missouri:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	52000
July	07/10/2021	6:00 PM	07/10/2021	9:00 PM	Nevada: Clark County, Washoe County;	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System	Transmission Interruption	9000	1300000
July	07/10/2021	12:30 AM	07/10/2021	5:00 AM	Missouri: Nebraska:	MRO/SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather/Transmission Interruption	Unknown	212500
July	07/11/2021	6:00 PM	07/11/2021	9:00 PM	Nevada: Clark County, Washoe County;	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System	Transmission Interruption	9000	1300000
July	07/12/2021	3:51 PM	07/13/2021	5:00 PM	Colorado: Pueblo County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Sabotage	0	0
July	07/14/2021	2:15 PM	07/14/2021	2:16 PM	California: Plumas County;	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/Transmission Interruption	35	11000
July	07/18/2021	4:00 AM	07/18/2021	9:46 AM	Illinois: Cook 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
July	07/20/2021	4:21 PM	07/20/2021	5:00 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
July	07/21/2021	2:45 PM	07/22/2021	12:00 PM	Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	81503
July	07/22/2021	2:00 PM	07/22/2021	2:40 PM	California: Shasta 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	220	0
July	07/23/2021	8:09 AM	07/23/2021	8:30 AM	Minnesota: Hennepin County;	MRO/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).	System Operations	15	3500

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July	07/23/2021	8:20 AM	07/23/2021	10:45 AM	Virginia: West Virginia;	RF/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	07/24/2021	8:30 PM	Unknown	Unknown	Michigan: Wayne County, Oakland County, Livingston County, Macomb County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	225949
July	07/26/2021	7:54 AM	Unknown	Unknown	Nevada: Clark County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
July	07/28/2021	12:54 PM	07/28/2021	3:42 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
July	07/30/2021	8:02 AM	07/30/2021	9:34 AM	Wisconsin:	MRO	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	Cyber Event	0	0
August	08/01/2021	9:00 AM	08/04/2021	9:00 AM	Nevada: 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
August	08/01/2021	11:37 PM	08/02/2021	12:00 AM	California: Humboldt County, Trinity County;	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	95	65888
August	08/02/2021	6:23 AM	08/02/2021	3:55 PM	Texas: Hays 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).	Severe Weather/Transmission Interruption	43	19000
August	08/02/2021	12:18 AM	08/02/2021	10:47 AM	Texas: Hays 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).	Severe Weather/Transmission Interruption	24	9400
August	08/03/2021	7:05 AM	08/03/2021	7:32 AM	Texas: Cameron 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
August	08/03/2021	4:35 AM	08/03/2021	5:28 AM	Oregon: Linn 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).	System Operations	4	Unknown
August	08/10/2021	10:30 PM	08/13/2021	4:38 PM	Michigan: Allegan County, Antrim County, Barry County, Benzie County, Branch County, Calhoun County, Clare County, Clinton County, Crawford County, Eaton County, Genesee County, Gladwin County, Grand Traverse County, Gratiot County, Hillsdale County, Ingham County, Ionia County, Isabella County, Jackson County, Kalamazoo County, Kalkaska County, Kent County, Lake County, Leelanau County, Manistee County, Mason County, Mecosta County, Midland County, Missaukee County, Montcalm County, Muskegon County, Newaygo County, Oakland County, Oceana County, Ogemaw County, Osceola County, Oscoda County, Otsego County, Ottawa County, Roscommon County, Saginaw County, Shiawassee County, St. Joseph County, Van Buren County, Wexford County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	372600
August	08/10/2021	8:30 PM	08/11/2021	7:00 PM	Illinois:	RF/SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	318761
August	08/10/2021	8:00 PM	Unknown	Unknown	Wisconsin: Waukesha County, Milwaukee County, Kenosha County, Racine County, Washington County, Ozaukee County;	RF/SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	233000

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August	08/11/2021	3:35 PM	Unknown	Unknown	Michigan: Huron County, Macomb County, Lapeer County, Macomb County, Monroe County, Oakland County, St. Clair County, Tuscola County, Wayne County, Washtenaw County, Livingston County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	700000
August	08/11/2021	7:12 PM	08/11/2021	9:49 PM	Ohio:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	92109
August	08/12/2021	6:57 PM	08/13/2021	6:00 AM	Illinois: Missouri:	RF/SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	101000
August	08/12/2021	10:03 PM	08/12/2021	10:44 PM	Massachusetts:	NPCC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
August	08/15/2021	5:17 PM	08/16/2021	3:30 AM	California: Solano 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
August	08/16/2021	4:11 PM	08/16/2021	4:31 PM	Montana: Flathead County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
August	08/17/2021	7:15 PM	08/18/2021	5:45 PM	California: Butte County, Colusa County, Glenn County, Lake County, Lassen County, Mendocino County, Napa County, Plumas County, Shasta County, Sierra County, Solano County, Sonoma County, Tehama County, Trinity County, Yolo County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	234	71000
August	08/17/2021	2:00 PM	08/18/2021	2:00 PM	California: Kern County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	Unknown	0
August	08/18/2021	11:40 AM	08/18/2021	12:13 PM	Texas:	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
August	08/20/2021	3:35 PM	08/20/2021	4:35 PM	California: Nevada County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
August	08/20/2021	2:00 AM	08/20/2021	3:00 AM	Oregon: Washington: Idaho: Utah: Salt Lake County; Wyoming:	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.	Vandalism	0	0
August	08/21/2021	10:14 AM	08/21/2021	10:52 AM	Idaho: Elmore County;	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	0	418
August	08/22/2021	12:11 PM	08/23/2021	4:30 PM	Connecticut: Massachusetts: Maine: Rhode Island: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	28134
August	08/24/2021	9:37 PM	Unknown	Unknown	Michigan: Huron County, Lapeer County, Macomb County, Monroe County, Oakland County, St. Clair County, Wayne County, Washtenaw County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	65000
August	08/24/2021	5:00 PM	08/26/2021	2:07 PM	Michigan: Arenac County, Bay County, Clare County, Genesee County, Gladwin County, Gratiot County, Isabella County, Iosco County, Kalamazoo County, Kent County, Barry County, Missaukee County, Montcalm County, Muskegon County, Newaygo County, Mecosta County, Midland County, Saginaw County, Ottawa County, Van Buren County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	84987
August	08/27/2021	6:16 AM	08/27/2021	10:14 AM	Arkansas: Pulaski 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	08/29/2021	11:30 AM	Unknown	Unknown	Louisiana:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	Unknown
August	08/29/2021	6:04 PM	08/31/2021	10:36 PM	Louisiana: St. Charles Parish;	SERC	Complete loss of off-site power (LOOP) affecting a nuclear generating station per the Nuclear Plant Interface Requirements.	Severe Weather	Unknown	Unknown
August	08/29/2021	6:00 PM	09/03/2021	1:41 PM	Louisiana:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	91315
August	08/29/2021	10:39 PM	09/03/2021	8:38 AM	Louisiana:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	50000

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August	08/29/2021	8:25 PM	Unknown	Unknown	New York:	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	796	0
August	08/29/2021	9:32 AM	08/29/2021	9:32 PM	Louisiana: Pointe Coupee Parish;	SERC	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
August	08/29/2021	5:53 PM	Unknown	Unknown	Louisiana:	SERC	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
August	08/30/2021	9:17 PM	09/01/2021	3:19 PM	Florida: Leon County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Actual Physical Attack	0	0
September	09/01/2021	6:22 AM	09/01/2021	3:56 PM	California: Santa Clara 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
September	09/01/2021	5:30 PM	09/02/2021	2:00 AM	Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	252740
September	09/02/2021	2:07 PM	09/02/2021	2:10 PM	Texas: Williamson 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
September	09/07/2021	5:30 PM	09/09/2021	9:00 AM	Michigan: Osceola County, Kalamazoo County, Van Buren County, Saginaw County, Arenac County, Lake County, Clare County, Mecosta County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	80000
September	09/07/2021	8:00 PM	09/09/2021	7:00 AM	Michigan: Wayne County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	60000
September	09/08/2021	12:15 PM	09/08/2021	12:38 PM	North Dakota: Cass 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	37	1
September	09/09/2021	4:00 PM	09/09/2021	5:30 PM	California:	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
September	09/09/2021	5:00 PM	09/09/2021	8:00 PM	Nevada: Clark County, Washoe County;	WECC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System	System Operations	8000	1300000
September	09/10/2021	11:17 AM	09/10/2021	11:19 AM	North Dakota: McKenzie 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	6	1
September	09/10/2021	2:05 PM	Unknown	Unknown	Iowa: Polk County;	MRO	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
September	09/10/2021	7:20 AM	09/10/2021	9:05 AM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	89	59649
September	09/10/2021	1:55 AM	09/10/2021	2:04 AM	Florida: Citrus County;	SERC	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	75	Unknown
September	09/11/2021	8:32 AM	Unknown	Unknown	Texas: Austin County; California: Los Angeles County;	TRE/SERC	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
September	09/13/2021	12:18 PM	09/13/2021	1:15 PM	Washington: Skagit 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	0	0
September	09/13/2021	11:59 PM	Unknown	Unknown	Texas: Harris County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	204280
September	09/13/2021	1:10 PM	Unknown	Unknown	Texas: Midland County;	TRE	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Transmission Interruption	0	0
September	09/13/2021	6:00 PM	09/14/2021	12:49 AM	Texas: Harris County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	66589
September	09/14/2021	12:35 AM	09/18/2021	7:20 PM	Texas: Harris County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	1905	705415

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September	09/14/2021	7:36 AM	09/15/2021	1:48 AM	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	0	Unknown
September	09/14/2021	7:52 AM	09/14/2021	10:44 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	0	Unknown
September	09/15/2021	10:42 PM	09/16/2021	12:37 AM	Texas: Kentucky: Arizona: New Mexico: Oregon: Washington:	TRE/SER C/WECC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
September	09/16/2021	2:49 PM	09/16/2021	8:02 PM	Oklahoma:	MRO/SER C	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	100	4000
September	09/16/2021	2:49 PM	09/16/2021	8:02 PM	Oklahoma:	MRO/SER C	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	100	4000
September	09/17/2021	11:00 PM	09/19/2021	12:00 PM	Washington: Pierce County, Whatcom County, Skagit County, King County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather/Transmission Interruption	Unknown	87000
September	09/17/2021	3:50 AM	09/18/2021	4:08 AM	Indiana:	RF	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	09/17/2021	3:00 AM	09/18/2021	10:00 PM	Minnesota:	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	82000
September	09/18/2021	4:30 AM	09/18/2021	6:00 AM	Indiana: Hamilton County;	RF	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	09/22/2021	5:17 PM	Unknown	Unknown	Michigan: Lenawee County, Livingston County, Genesee County, Tuscola County, Huron County, Sanilac County, Lapeer County, St. Clair County, Macomb County, Oakland County, Washtenaw County, Wayne County, Monroe County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	136000
September	09/22/2021	9:36 AM	09/23/2021	11:45 AM	California: Los Angeles County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	1	0
September	09/28/2021	1:44 PM	09/28/2021	1:56 PM	Kentucky: Henderson County;	SERC	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	Transmission Interruption	20	5000
September	09/29/2021	11:48 AM	09/29/2021	12:21 PM	Missouri: Jackson County;	MRO/SER C	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.	System Operations	150	0
October	10/03/2021	10:40 AM	10/03/2021	11:54 AM	Texas: Cameron 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
October	10/04/2021	7:00 AM	10/04/2021	8:00 AM	Utah: Uintah County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	Unknown	0
October	10/05/2021	11:31 AM	10/05/2021	11:32 AM	California: Santa Clara 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	10/05/2021	11:31 AM	10/05/2021	11:32 AM	California: Santa Clara 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	10/07/2021	5:15 PM	10/09/2021	6:15 PM	Maryland: Baltimore County;	RF	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
October	10/08/2021	6:30 AM	10/08/2021	10:00 AM	California: Contra Costa County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
October	10/08/2021	2:30 PM	10/08/2021	6:32 PM	Ohio: Cuyahoga 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	210	0

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October	10/09/2021	5:01 PM	10/10/2021	6:30 AM	North Carolina:	SERC	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
October	10/10/2021	10:15 PM	10/12/2021	5:00 PM	Texas: Collin County, Dallas County, Denton County, Ellis County, Hunt County, Johnson County, Palo Pinto County, Tarrant County, Wichita County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	110000
October	10/11/2021	2:22 PM	10/11/2021	8:30 PM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	126	84000
October	10/12/2021	8:08 PM	10/12/2021	8:09 PM	Illinois: Cook County;	RF	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
October	10/16/2021	2:16 PM	10/16/2021	6:41 PM	Oregon: Lane 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	Unknown
October	10/18/2021	10:18 PM	10/18/2021	11:30 PM	Pennsylvania:	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	10/18/2021	11:26 PM	10/19/2021	3:00 PM	Pennsylvania: Montgomery County;	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
October	10/18/2021	11:27 PM	10/19/2021	10:05 AM	Georgia: DeKalb County;	SERC	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
October	10/18/2021	10:26 PM	10/19/2021	8:19 AM	Missouri: Boone County;	SERC/MRO	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
October	10/18/2021	11:47 AM	10/18/2021	11:48 AM	Florida: Putnam County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
October	10/19/2021	3:34 PM	10/19/2021	4:26 PM	Ohio: Summit 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).	System Operations	42	1
October	10/20/2021	11:00 PM	10/21/2021	1:20 AM	Wisconsin: Eau Claire County;	MRO/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	10/22/2021	7:55 PM	10/23/2021	5:55 AM	Louisiana: Lafayette 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	132	0
October	10/24/2021	8:55 AM	10/25/2021	6:15 PM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	116	59000
October	10/24/2021	7:00 AM	10/26/2021	9:30 PM	Washington: King County, Pierce County, Skagit County, Thurston County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	233000
October	10/27/2021	5:57 PM	10/28/2021	4:49 PM	Louisiana: Ascension Parish;	SERC	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).	System Operations	0	0
October	10/27/2021	2:25 AM	10/29/2021	8:37 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	169000
October	10/28/2021	12:47 PM	10/28/2021	1:05 PM	Montana: Valley 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).	System Operations	20	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	10/28/2021	2:15 PM	10/30/2021	8:00 AM	Texas: Angelina County, Bell County, Cherokee County, Collin County, Denton County, Dallas County, Ellis County, Hunt County, Johnson County, McLennan County, Nacogdoches County, Smith County, Tarrant County, Travis County, Williamson County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	250000
October	10/28/2021	2:45 PM	10/29/2021	8:30 PM	Texas: Harris County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	130000
October	10/28/2021	12:06 PM	10/28/2021	12:30 PM	Texas: Haskell County;	TRE	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Actual Physical Attack/Vandalism	Unknown	Unknown
October	10/29/2021	2:20 PM	10/29/2021	3:00 PM	Vermont: Lamoille 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.	Suspicious Activity	0	0
October	10/30/2021	7:31 AM	Unknown	Unknown	New Jersey:	RF	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
October	10/31/2021	7:49 AM	10/31/2021	9:32 AM	California: Alameda 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
November	11/04/2021	9:34 PM	11/04/2021	10:57 PM	Montana: Hill 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).	System Operations	44	Unknown
November	11/06/2021	6:45 AM	11/06/2021	7:00 AM	Pennsylvania: York County;	RF	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
November	11/06/2021	8:40 AM	11/06/2021	8:41 AM	Washington: Grant 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	Unknown	350
November	11/08/2021	10:53 PM	11/08/2021	11:33 PM	Washington: King County;	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	9	Unknown
November	11/09/2021	6:00 PM	11/09/2021	8:00 PM	Mississippi: Coahoma County;	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System	System Operations	Unknown	Unknown
November	11/09/2021	8:50 AM	11/09/2021	4:00 PM	Indiana: Floyd County;	RF	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
November	11/10/2021	9:19 PM	11/11/2021	1:19 AM	Texas: Brazos 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
November	11/10/2021	9:49 AM	11/10/2021	10:05 AM	New York:	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	0	0
November	11/11/2021	5:52 AM	11/11/2021	6:09 AM	Texas: Montgomery 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).	System Operations	67	Unknown
November	11/12/2021	7:00 AM	11/12/2021	7:14 AM	Oregon: Multnomah County; Washington: Idaho: Utah: Wyoming;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
November	11/15/2021	11:47 AM	Unknown	Unknown	Colorado: Larimer County;	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
November	11/15/2021	11:00 AM	11/17/2021	6:00 AM	Washington: King County, Kitsap County, Whatcom County, Thurston County, Pierce County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	90000
November	11/16/2021	12:42 AM	11/16/2021	7:35 AM	California: Los Angeles County;	WECC	Damage or destruction of a Facility within its Reliability Coordinator Area, Balancing Authority Area or Transmission Operator Area that results in action(s) to avoid a Bulk Electric System Emergency.	Suspicious Activity	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
November	11/16/2021	5:37 PM	11/16/2021	6:21 PM	Maryland: Baltimore County;	RF	Unplanned evacuation from its Bulk Electric System control center facility for 30 continuous minutes or more.	System Operations	0	0
November	11/17/2021	12:43 PM	11/17/2021	1:25 PM	Michigan: Wexford 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
November	11/17/2021	1:12 PM	Unknown	Unknown	Colorado: Larimer 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
November	11/21/2021	10:00 AM	11/21/2021	10:01 AM	Wisconsin:	MRO/RF	Cyber Security Incident that was an attempt to compromise a High or Medium Impact Bulk Electric System Cyber System or their associated Electronic Access Control or Monitoring Systems	Cyber Event	0	0
November	11/24/2021	10:00 AM	11/26/2021	10:21 AM	California: Riverside County, Ventura County, San Bernardino County, Orange County, Los Angeles County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	81406
November	11/30/2021	6:46 AM	11/30/2021	6:47 AM	North Carolina: South Carolina:	SERC	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).	System Operations	0	0
November	11/30/2021	6:52 AM	11/30/2021	7:25 AM	Texas: Cameron 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
November	11/30/2021	1:47 PM	11/30/2021	2:21 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	10	6000
November	11/30/2021	5:00 AM	11/30/2021	5:01 AM	Oregon: Multnomah County; Washington: Idaho: Utah: Wyoming:	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
December	12/01/2021	10:04 AM	12/01/2021	1:08 PM	Wisconsin: Eau Claire 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
December	12/02/2021	10:33 AM	12/02/2021	1:10 PM	Texas:	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	12/07/2021	2:33 PM	12/07/2021	3:40 PM	Indiana: Putnam 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
December	12/08/2021	9:04 AM	12/08/2021	9:35 AM	New York: Broome County;	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
December	12/10/2021	12:06 PM	12/10/2021	1:07 PM	Idaho: Ada County;	WECC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0
December	12/11/2021	3:13 AM	12/15/2021	3:30 PM	Tennessee: Davidson County, Sumner County;	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	177	107344
December	12/11/2021	6:16 PM	12/13/2021	5:00 PM	New York:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	103000
December	12/11/2021	11:13 AM	12/12/2021	11:06 PM	Michigan:	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	182410
December	12/11/2021	10:30 AM	12/11/2021	3:00 PM	Michigan: Van Buren County, Gladwin County, Montcalm County, Branch County, Allegan County, Ionia County, Newaygo County, Mecosta County, Lake County, Midland County, Ogemaw County, Osceola County, Tuscola County;	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	159947
December	12/12/2021	6:14 AM	12/12/2021	6:40 AM	Louisiana: De Soto Parish;	SERC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	36	Unknown
December	12/14/2021	7:28 AM	12/14/2021	1:43 PM	California: Humboldt County;	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	120	65994

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December	12/14/2021	9:39 AM	12/14/2021	9:48 AM	Washington: Chelan 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).	System Operations	0	0
December	12/15/2021	7:00 PM	12/16/2021	3:00 AM	Kansas:	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	174000
December	12/15/2021	6:00 PM	12/16/2021	9:00 AM	Iowa: Wisconsin:	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	134000
December	12/15/2021	4:37 PM	12/16/2021	11:30 AM	Missouri: Kansas:	SERC/MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	0	258000
December	12/15/2021	8:00 PM	Unknown	Unknown	Wisconsin:	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	80000
December	12/15/2021	8:00 PM	Unknown	Unknown	Wisconsin:	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	156000
December	12/15/2021	9:00 PM	Unknown	Unknown	Iowa: Minnesota:	MRO	Damage or destruction of a Facility within its Reliability Coordinator Area, Balancing Authority Area or Transmission Operator Area that results in action(s) to avoid a Bulk Electric System Emergency.	Severe Weather	Unknown	Unknown
December	12/15/2021	3:56 PM	12/15/2021	5:27 PM	Nebraska: Burt 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).	System Operations	5	Unknown
December	12/15/2021	4:37 PM	Unknown	Unknown	Missouri: Kansas:	SERC/MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	Unknown
December	12/16/2021	6:00 AM	12/16/2021	8:00 PM	Michigan: Antrim County, Kalkaska County, Grand Traverse County, Leelanau County, Benzie County, Manistee County, Wexford County, Missaukee County, Lake County, Osceola County, Oceana County, Newaygo County, Mecosta County, Emmet County, Charlevoix County, Cheboygan County, Clare County, Roscommon County, Crawford County, Ogemaw County;	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	200675
December	12/18/2021	1:04 PM	12/18/2021	9:59 PM	California:	WECC	Physical attack that causes major interruptions or impacts to critical infrastructure or to operations	Suspicious Activity	10	11770
December	12/19/2021	8:48 PM	12/19/2021	9:00 PM	Texas: Cameron 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	12/21/2021	9:59 PM	12/22/2021	2:15 PM	Texas: Cameron 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).	System Operations	22	Unknown
December	12/23/2021	1:10 AM	12/23/2021	1:15 AM	Pennsylvania: York County;	RF	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	12/23/2021	2:02 PM	12/23/2021	2:55 PM	Massachusetts: Suffolk County[13];	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).	System Operations	0	0
December	12/24/2021	12:34 AM	12/24/2021	6:40 AM	Texas: Rusk 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).	System Operations	Unknown	Unknown
December	12/27/2021	4:11 AM	01/01/2022	2:41 AM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	381	115830
December	12/27/2021	9:01 PM	12/30/2021	9:11 AM	California: Humboldt County;	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	120	65994
December	12/29/2021	11:00 AM	12/29/2021	12:00 PM	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
December	12/30/2021	6:51 PM	Unknown	Unknown	Missouri: Adair County, Putnam County;	SERC	Damage or destruction of its Facility that results from actual or suspected intentional human action.	Vandalism	0	0