

**OE-417 Electric Emergency and Disturbance Report - Calendar Year 2017**

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	01/05/2017	4:56 PM	01/05/2017	4:57 PM	Florida: Martin County;	FRCC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Suspected Physical Attack	0	0
January	01/08/2017	9:07 AM	01/13/2017	2:30 PM	California	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	106000
January	01/08/2017	11:59 PM	Unknown	Unknown	California	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability	Fuel Supply Deficiency	0	0
January	01/10/2017	7:30 PM	01/13/2017	2:30 PM	California	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	87000
January	01/15/2017	6:35 AM	01/15/2017	7:44 AM	California: Los Angeles County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Transmission Disruption	176	126000
January	01/15/2017	9:27 AM	01/17/2017	1:58 AM	Oklahoma: Harper County;	SPP	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	1	788
January	01/18/2017	6:05 PM	01/19/2017	12:05 AM	California	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	75000
January	01/22/2017	4:15 AM	01/24/2017	2:00 PM	California	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	97	64000
January	01/22/2017	6:00 AM	Unknown	Unknown	California	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability	Fuel Supply Deficiency	0	0
January	01/22/2017	4:00 PM	01/23/2017	3:26 AM	Alabama: Georgia: Mississippi: Florida:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	100	29965
February	2/2/2017	1:04 AM	2/2/2017	5:00 AM	New Mexico: Bernalillo County, Santa Fe County;	WECC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	Transmission Interruption	396	149223
February	2/2/2017	1:11 AM	Unknown	Unknown	New Mexico: Bernalillo County;	WECC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	Transmission Interruption	400	Unknown
February	2/6/2017	1:00 AM	2/6/2017	7:30 PM	Washington: Skagit County, King County, Kitsap County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	103000
February	2/9/2017	4:05 PM	2/10/2017	5:15 AM	Connecticut: Massachusetts: Rhode Island:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	11525
February	2/11/2017	3:46 PM	2/11/2017	3:50 PM	Utah	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

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February	2/13/2017	1:00 PM	2/15/2017	1:35 PM	North Carolina: Union 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
February	2/17/2017	1:00 PM	2/17/2017	1:15 PM	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
February	2/17/2017	3:00 PM	2/20/2017	11:00 AM	California: Los Angeles County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	111591
February	2/17/2017	8:09 AM	2/22/2017	7:30 PM	California	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	254	169250
February	2/17/2017	4:32 AM	2/17/2017	5:02 AM	Missouri: Arkansas: Oklahoma: Texas:	SPP	Cyber event that could potentially impact electric power system adequacy or reliability	System Operations	0	0
March	03/01/2017	11:49 AM	03/02/2017	9:30 PM	Kentucky: West Virginia:	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	98575
March	03/01/2017	8:30 AM	03/01/2017	2:00 PM	Tennessee: Kentucky:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	58000
March	03/02/2017	12:20 PM	03/02/2017	11:45 PM	Connecticut: Maine: Massachusetts: New Hampshire: Rhode Island: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	54316
March	03/06/2017	8:00 PM	03/07/2017	1:00 AM	Missouri: Jackson County, Platte County, Cass County, Lafayette County, Chariton County, Carroll County, Clay County, Johnson County;	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	97734
March	03/08/2017	11:30 AM	03/08/2017	7:52 PM	Ohio	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	71012
March	03/08/2017	12:00 PM	03/11/2017	11:31 AM	Michigan	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	800000
March	03/08/2017	9:30 AM	03/11/2017	5:00 AM	Michigan: Jackson County, Calhoun County, Ingham County, Hillsdale County, Washtenaw County, Kent County, Ottawa County, Midland County, Saginaw County;	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	343000
March	03/08/2017	1:30 PM	03/08/2017	4:30 PM	New York	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather/Transmission Interruption	Unknown	106869
March	03/08/2017	3:33 PM	Unknown	Unknown	New York	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	50000

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March	03/12/2017	9:56 AM	03/12/2017	11:20 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	1
March	03/14/2017	12:32 PM	Unknown	Unknown	Connecticut: Massachusetts: Rhode Island: New Hampshire: Maine: Vermont:	NPCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	69647
March	03/21/2017	8:00 PM	03/22/2017	9:15 AM	Georgia	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	857	257000
March	03/24/2017	6:29 AM	03/24/2017	7:13 AM	Oregon: Clatsop County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Sabotage	0	0
March	03/28/2017	4:07 PM	03/28/2017	4:08 PM	Oregon: Josephine County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Suspicious Activity	0	0
March	03/29/2017	3:30 AM	03/31/2017	6:00 AM	Texas	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	175000
March	03/31/2017	7:15 PM	03/31/2017	9:07 PM	Mississippi: DeSoto 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	04/03/2017	11:00 AM	04/03/2017	8:00 PM	Alabama, Georgia	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	290	86330
April	04/06/2017	7:00 PM	Unknown	Unknown	California	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	100000
April	04/07/2017	4:16 AM	Unknown	Unknown	California: Fresno County	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability	Fuel Supply Deficiency	0	0
April	04/07/2017	8:15 AM	04/08/2017	12:14 AM	Oregon: Multnomah County, Washington County, Marion County, Clackamas County	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	153867
April	04/07/2017	4:33 AM	04/07/2017	8:20 AM	Oregon	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	100	64852
April	04/13/2017	7:50 AM	04/13/2017	8:07 AM	Washington: Pierce County	WECC	Physical attack that causes major interruptions or impacts to critical infrastructure facilities or to operations	Sabotage	53	10000
April	04/17/2017	9:25 AM	04/17/2017	9:26 AM	Utah: Emery County	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets	Sabotage	0	0

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April	04/20/2017	4:00 PM	04/20/2017	6:00 PM	Wyoming: Converse County	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	0	0
April	04/21/2017	10:34 AM	04/21/2017	3:55 PM	Kentucky: Bullitt 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	04/21/2017	9:06 AM	04/21/2017	5:45 PM	California: San Francisco, City and County of [10]	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	System Operations	130	88000
April	04/23/2017	11:55 PM	04/23/2017	11:56 PM	Oregon: Multnomah County	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	0	0
April	04/24/2017	5:32 AM	04/24/2017	6:33 AM	North Carolina: Mecklenburg County	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	240	74698
April	04/30/2017	1:00 AM	04/30/2017	5:45 PM	Arkansas, Louisiana, Mississippi	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	145174
May	05/01/2017	11:14 PM	05/01/2017	11:34 PM	Ohio	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	92390
May	05/03/2017	7:05 PM	05/03/2017	9:00 PM	California	WECC	Load shedding of 100 Megawatts or more implemented under emergency operational policy	Generation Inadequacy	878	Unknown
May	05/03/2017	6:58 PM	05/03/2017	9:15 PM	California	WECC	Load shedding of 100 Megawatts or more implemented under emergency operational policy	Generation Inadequacy	572	0
May	05/03/2017	11:00 PM	Unknown	Unknown	Pennsylvania: Philadelphia County, Montgomery County	RFC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	0	0
May	05/04/2017	5:00 AM	05/04/2017	10:00 PM	Alabama: Georgia	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	200	60377
May	05/07/2017	11:30 PM	05/08/2017	5:00 AM	Kentucky: Daviess County	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	Generation Inadequacy	80	0
May	05/07/2017	5:15 AM	Unknown	Unknown	California: Fresno County	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability	Fuel Supply Deficiency	0	0

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May	05/11/2017	11:05 AM	05/11/2017	1:05 PM	Washington: Yakima 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	05/19/2017	5:30 AM	Unknown	Unknown	Missouri: St. Louis County	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	70696
May	05/21/2017	4:44 PM	05/21/2017	5:43 PM	Idaho: Lincoln County, Jerome County	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	21	9598
May	05/23/2017	5:02 AM	05/23/2017	8:40 AM	Tennessee: Davidson County	SERC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	10	4700
May	05/27/2017	11:00 PM	Unknown	Unknown	Tennessee: Shelby County, Putnam County, Knox County, Davidson County, Hamilton County; Alabama: Madison County	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	116000
May	05/27/2017	11:10 PM	Unknown	Unknown	Tennessee: Shelby County	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	391	188000
May	05/28/2017	7:30 PM	05/29/2017	10:00 PM	Louisiana: Texas	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	103000
May	05/28/2017	4:27 PM	05/28/2017	4:28 PM	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
May	05/28/2017	7:30 PM	05/29/2017	10:00 PM	Texas: Louisiana	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	103000
June	06/07/2017	1:12 PM	06/07/2017	1:13 PM	Washington: Yakima 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
June	06/11/2017	1:25 PM	06/11/2017	7:15 PM	Wisconsin	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	53610
June	06/11/2017	2:39 PM	06/11/2017	5:55 PM	Michigan	RFC	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	63	Unknown

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June	06/11/2017	7:00 AM	06/11/2017	11:22 AM	Minnesota	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	70000
June	06/15/2017	5:00 PM	06/15/2017	10:00 PM	Alabama, Georgia	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	275	82713
June	06/16/2017	8:00 PM	06/17/2017	6:00 AM	Arkansas	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	76000
June	06/16/2017	8:00 PM	Unknown	Unknown	Nebraska: Cass County, Douglas County, Sarpy County	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	76000
June	06/17/2017	9:00 PM	06/18/2017	7:00 AM	Kansas, Missouri: Jackson County, Platte County, Clay County, Cass County	MRO	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	84737
June	06/21/2017	12:00 AM	06/21/2017	1:00 AM	Oregon: Baker County	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Physical Attack	0	0
June	06/22/2017	6:00 PM	06/25/2017	12:45 PM	Michigan: Wayne County, Monroe County	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	118631
June	06/29/2017	4:00 AM	Unknown	Unknown	Louisiana: Orleans Parish	SERC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	130	6467
June	06/30/2017	7:45 AM	06/30/2017	7:46 AM	Idaho: Ada 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
July	07/06/2017	12:00 AM	Unknown	Unknown	Idaho: Jerome 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
July	07/07/2017	3:30 AM	07/08/2017	7:30 PM	Michigan: Kent County, Ottawa County, Muskegon County, Barry County, Oceana County, Eaton County	RFC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	160000
July	07/08/2017	6:52 PM	07/09/2017	8:00 AM	California: Los Angeles County	WECC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	Transmission Interruption	645	176867

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July	07/11/2017	10:00 AM	07/11/2017	12:00 PM	Minnesota	MRO	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	0	0
July	07/12/2017	12:25 PM	07/15/2017	9:00 AM	Tennessee	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
July	07/12/2017	12:25 PM	Unknown	Unknown	Tennessee: Shelby County	SERC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	Unknown	Unknown
July	07/18/2017	4:03 AM	Unknown	Unknown	Missouri	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	Unknown	700
July	07/18/2017	4:23 PM	07/18/2017	6:39 PM	Nevada	WECC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	Severe Weather	0	0
July	07/20/2017	1:00 AM	07/20/2017	9:46 AM	Utah: Beaver 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
July	07/22/2017	10:00 PM	07/23/2017	12:00 PM	Missouri: Clay County, Jackson County, Lafayette County, Platte County; Kansas: Johnson County, Miami County, Wyandotte County	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	112540
July	07/22/2017	10:00 PM	Unknown	Unknown	Missouri	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	131000
July	07/22/2017	10:00 PM	Unknown	Unknown	Missouri	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	115000
July	07/23/2017	4:00 AM	Unknown	Unknown	Missouri: Illinois	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	82000
July	07/27/2017	6:00 AM	07/27/2017	11:29 AM	California: Butte County	WECC	Fuel supply emergencies that could impact electric power system adequacy or reliability	Fuel Supply Deficiency	0	0

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August	08/05/2017	1:20 PM	08/05/2017	2:20 PM	California: Humboldt 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	08/21/2017	11:41 PM	08/22/2017	12:21 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	System Operations	1	2
August	08/25/2017	6:30 PM	09/05/2017	5:00 PM	Texas:	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	330000
August	08/25/2017	6:17 PM	09/02/2017	5:00 PM	Texas: Matagorda County, Nueces County, Aransas County, Refugio County, San Patricio County, Calhoun County, Victoria County, Jackson County, Live Oak County, Jim Wells County, Bee County, Lavaca County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	220400
August	08/26/2017	6:26 AM	09/08/2017	12:00 AM	Texas:	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	1076868
August	08/26/2017	12:39 AM	08/26/2017	12:52 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	Unknown	Unknown
August	08/27/2017	5:10 AM	09/08/2017	12:00 AM	Texas: Harris County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	1076868
August	08/30/2017	2:15 AM	Unknown	Unknown	Texas:	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	78500
August	08/31/2017	2:49 PM	08/31/2017	5:14 PM	California: Los Angeles County;	WECC	Load shedding of 100 Megawatts or more implemented under emergency operational policy	Severe Weather	100	0
September	09/01/2017	3:41 PM	09/01/2017	8:30 PM	California:	WECC	Load shedding of 100 Megawatts or more implemented under emergency operational policy	Severe Weather	337	0
September	09/09/2017	12:00 AM	Unknown	Unknown	Florida: Hillsborough County, Pasco County, Polk County;	FRCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	1275	425000
September	09/09/2017	12:30 PM	Unknown	Unknown	Florida:	FRCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	3500000

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September	09/10/2017	8:37 PM	Unknown	Unknown	Florida:	FRCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	452555
September	09/10/2017	6:35 PM	09/13/2017	5:00 PM	Florida: Alachua County, Bay County, Brevard County, Citrus County, Columbia County, Dixie County, Flagler County, Franklin County, Gilchrist County, Gulf County, Hamilton County, Hardee County, Hernando County, Highlands County, Jefferson County, Lafayette County, Lake County, Leon County, Levy County, Madison County, Marion County, Orange County, Osceola County, Pasco County, Pinellas County, Polk County, Seminole County, Sumter County, Suwannee County, Taylor County, Volusia County, Wakulla County;	FRCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	4500	1000000
September	09/11/2017	2:27 AM	09/15/2017	8:44 PM	Georgia:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	132	39659
September	09/11/2017	5:30 PM	09/13/2017	9:30 AM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	365	265729
September	09/11/2017	12:30 AM	Unknown	Unknown	Florida:	FRCC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	200	20000
September	09/11/2017	12:55 PM	09/12/2017	8:00 AM	South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	687	154832
October	10/04/2017	2:30 AM	Unknown	Unknown	Tennessee: Shelby 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
October	10/04/2017	1:20 AM	10/04/2017	3:00 AM	Mississippi:	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	Unknown	Unknown

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October	10/08/2017	3:00 AM	Unknown	Unknown	Alabama: Florida: Mississippi:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	306	91945
October	10/09/2017	2:03 AM	10/17/2017	1:30 PM	California:	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather/Transmission Interruption	177	117900
October	10/09/2017	6:44 AM	Unknown	Unknown	California:	WECC	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system	Severe Weather	100	Unknown
October	10/12/2017	9:09 AM	Unknown	Unknown	Mississippi: Coahoma County;	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	System Operations	Unknown	Unknown
October	10/16/2017	3:55 PM	10/16/2017	4:10 PM	Washington:	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	0	0
October	10/16/2017	3:45 PM	10/16/2017	4:09 PM	Washington: Montana:	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	0	0
October	10/19/2017	4:01 PM	10/19/2017	4:02 PM	Utah: Salt Lake County;	WECC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Suspected Physical Attack	0	0
October	10/20/2017	3:44 AM	10/20/2017	3:45 AM	Washington:	WECC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	Severe Weather	900	Unknown
October	10/20/2017	6:30 PM	10/20/2017	10:22 PM	Texas:	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
October	10/22/2017	8:45 AM	10/22/2017	2:00 PM	Louisiana: Mississippi: Arkansas: Texas:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	Unknown
October	10/23/2017	5:50 PM	10/24/2017	6:17 PM	North Carolina: South Carolina:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	440	115144

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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	10/25/2017	12:00 PM	10/25/2017	4:00 PM	California:	WECC	Cyber event that could potentially impact electric power system adequacy or reliability	Suspicious Activity	Unknown	Unknown
October	10/26/2017	5:50 PM	Unknown	Unknown	Montana: Big Horn 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
October	10/26/2017	8:17 AM	10/26/2017	8:41 AM	Washington: Whatcom County; Montana:	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	0	0
October	10/26/2017	8:17 AM	10/26/2017	8:41 AM	Washington: Clark 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	0	0
October	10/29/2017	11:40 PM	11/01/2017	6:08 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	310453
November	11/01/2017	3:40 PM	11/01/2017	10:00 PM	Kentucky: Daviess County;	SERC	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system	Generation Inadequacy	0	0
November	11/05/2017	7:35 PM	11/05/2017	11:09 PM	Ohio:	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	89216
November	11/07/2017	12:29 PM	Unknown	Unknown	Louisiana:	SERC	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	11/09/2017	8:45 AM	11/09/2017	2:00 PM	Colorado: Weld County;	WECC	Cyber event that could potentially impact electric power system adequacy or reliability	System Operations	0	0
November	11/13/2017	4:33 PM	11/16/2017	6:00 AM	Washington: King County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	85	68430
November	11/13/2017	2:00 AM	11/15/2017	8:17 AM	Washington: Island County, King County, Kitsap County, Thurston County, Skagit County, Whatcom County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	236100

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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	11/16/2017	3:05 PM	11/16/2017	3:06 PM	Oregon: Tillamook 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	11/24/2017	5:06 PM	11/26/2017	5:22 PM	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
December	12/04/2017	9:53 PM	Unknown	Unknown	California:	WECC	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident	Severe Weather/Transmission Interruption	540	263000
December	12/05/2017	6:30 AM	12/06/2017	10:00 AM	Michigan: Oscoda County, Isabella County, Roscommon County, Ogemaw County;	RF	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	117500
December	12/05/2017	6:50 AM	12/05/2017	9:00 AM	Louisiana:	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
December	12/07/2017	8:00 PM	12/08/2017	5:00 PM	Texas: Bexar County;	TRE	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	88000
December	12/08/2017	9:30 AM	12/08/2017	10:30 PM	Louisiana: Mississippi:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	Unknown	79000
December	12/08/2017	10:00 AM	12/10/2017	8:50 PM	Alabama: Georgia: Mississippi:	SERC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather	865	301872
December	12/10/2017	1:25 AM	12/10/2017	2:30 AM	California: Ventura County, Santa Barbara County;	WECC	Loss of electric service to more than 50,000 customers for 1 hour or more	Severe Weather/Transmission Interruption	110	51323
December	12/12/2017	2:22 AM	12/12/2017	2:25 AM	New York: Saratoga County;	NPCC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Actual Physical Attack	3	1208
December	12/13/2017	9:55 AM	12/13/2017	2:45 PM	New York: Suffolk County;	NPCC	Fuel supply emergencies that could impact electric power system adequacy or reliability	Fuel Supply Deficiency	0	0
December	12/13/2017	8:50 AM	Unknown	Unknown	Connecticut: New Haven County[13];	NPCC	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

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Month	Date Event Began	Time Event Began	Date of Restoration	Time of Restoration	Area Affected	NERC Region	Alert Criteria	Event Type	Demand Loss (MW)	Number of Customers Affected
December	12/18/2017	1:00 PM	12/18/2017	5:00 PM	Mississippi:	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
December	12/19/2017	8:40 AM	12/19/2017	10:36 AM	Florida: Alachua County;	FRCC	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Vandalism	0	0
December	12/29/2017	6:15 AM	12/29/2017	11:44 AM	Texas: Calhoun County;	TRE	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems	Suspicious Activity	Unknown	Unknown
December	12/29/2017	7:00 AM	Unknown	Unknown	New York: Tompkins County;	NPCC	Fuel supply emergencies that could impact electric power system adequacy or reliability	Fuel Supply Deficiency	210	Unknown
December	12/31/2017	11:54 PM	01/01/2018	2:14 PM	Colorado:	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