

**Table B.2. Major Disturbances and Unusual Occurrences, Year-to-Date through December 2006**

Date	NERC Region	Time	Area Affected	Type of Disturbance	Loss (megawatts)	Customers Affected <sup>1</sup>	Restoration
<b>January</b>							
1/14/2006	RFC	3:45 p.m.	Chester, Montgomery, Delaware, Philadelphia and Bucks Counties, Pennsylvania	High Winds	--	142,315	5:30 p.m. January 16
1/18/2006	NPCC	3:16 p.m.	Southern and Central Maine	Severe Storm	75	63,000	6:34 p.m. January 18
<b>February</b>							
2/4/2006	WECC	1:34 a.m.	Snohomish County, Washington	Strong Winds	150	123,827	12:01 a.m. February 06
2/4/2006	WECC	4:30 a.m.	Western Washington	Severe Windstorm	--	140,000	8:00 a.m. February 08
2/11/2006	RFC	9:00 p.m.	Baltimore Metropolitan and Central Maryland	Major Snow Storm	500	180,000	11:00 p.m. February 14
2/12/2006	RFC	12:06 a.m.	Washington DC, Montgomery and Prince Georges Counties MD	Major Snow Storm	300	60,000	5:44 p.m. February 14
2/12/2006	RFC	2:00 a.m.	Entire Atlantic City Electric territory Southern New Jersey	Winter Snow/Ice Storm	80	130,000	4:00 p.m. February 14
2/12/2006	RFC	2:00 a.m.	Entire Delmarva Power service territory	Winter Snow/Ice Storm	50	58,000	7:00 a.m. February 13
2/12/2006	RFC	5:55 a.m.	Northern and Northwestern Virginia	Severe Snow Storm	250	126,000	2:00 p.m. February 12
2/16/2006	RFC	12:00 p.m.	Muskegon, Michigan easterly to Bay City, Michigan	Severe Thunderstorm/ Snow/Ice Storm	100	252,089	11:00 p.m. February 20
2/16/2006	MRO	Ongoing	North Dakota	Fuel Supply - Deficiency Coal Rail Transportation Interruption	1,650	0	Ongoing
2/17/2006	NPCC	4:32 a.m.	Upstate New York	Severe Weather	250	200,000	12:00 p.m. February 17
2/18/2006	WECC	8:50 a.m.	Colorado	Inadequate Electric Resources to Serve Load	428	-	4:09 p.m. February 18
2/27/2006	WECC	6:25 p.m.	Northern and Central California	Severe Winter Storm	-	160,000	2:30 p.m. March 01
<b>March</b>							
3/9/2006	SERC	2:00 p.m.	Arkansas, Mississippi, Louisiana, Southeast Texas	Severe Weather	N/A	73,000	10:00 p.m. March 09
3/12/2006	RFC	8:30 p.m.	Springfield, Illinois and vicinity	Severe Weather	200	65,400	12:00 p.m. March 14
<b>April</b>							
4/2/2006	RFC	9:00 p.m.	Southern half of Indiana	Major Storms/Tornadoes	1,000	186,000	4:25 a.m. April 05

4/7/2006	PR	8:43 a.m.	Island of Puerto Rico	Voltage Reduction/Load Shed	116	54,700	9:29 a.m. April 07
4/8/2006	SERC	4:00 a.m.	North and Central Alabama and Northern Georgia areas	Severe Weather/Tornadoes	300	115,589	11:00 a.m. April 08
4/17/2006	ERCOT	3:25 p.m.	ERCOT Region of Texas	Load Shed/Declared EECF	1,000	200,000	7:30 p.m. April 17
4/17/2006	ERCOT	4:10 p.m.	System-wide greater Houston metro area (and across ERCOT)	Load Shed/Made Public Appeals/Rolling Blackouts	260	68,000	6:11 p.m. April 17
4/17/2006	ERCOT	4:11 p.m.	North and East Texas	Load Shed/Declared EECF	380	489,478	7:20 p.m. April 17
4/17/2006	ERCOT	4:20 p.m.	State of Texas (all of Austin Energy)	Load Shed/Made Public Appeals/Rolling Blackouts	37- 40	8,000 -10,000	6:30 p.m. April 17
4/17/2006	ERCOT	4:35 p.m.	AEP Texas Central/Texas North	Load Shed/Declared EECF	108	51,404	6:10 p.m. April 17
4/21/2006	ERCOT	7:00 a.m.	System-wide greater Houston metro area	Severe Weather	219	82,000	10:00 a.m. April 21
4/29/2006	PR	2:55 p.m.	Island of Puerto Rico	Lightning Storm	237	164,105	3:45 p.m. April 29

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<b>May</b>							
5/3/2006	WECC	3:30 p.m.	City of Bakersfield area	Transmission Equipment Failure/Fire	300	55,655	9:35 p.m. May 03
5/4/2006	PR	2:12 p.m.	Island of Puerto Rico	Load Shed	140	94,639	2:45 p.m. May 04
5/19/2006	WECC	3:13 p.m.	San Francisco Bay area, California	Lightning Strike	133		- 10:30 p.m. May 19
5/25/2006	RFC	7:50 p.m.	Southwest Ohio, Northern Kentucky, Central Indiana	Severe Weather	800	210,000	9:00 a.m. May 27
<b>June</b>							
6/1/2006	HECO	2:12 p.m.	Island of Oahu	Load Shed	120	29,300	6:09 p.m. June 01
6/1/2006	RFC	6:00 p.m.	Chester, Montgomery, Delaware, Philadelphia and Bucks Counties, Pennsylvania	Severe Weather	N/A	111,555	9:00 a.m. June 03
6/1/2006	RFC	6:30 p.m.	Central Maryland	Severe Thunderstorms	335	70,000	2:00 p.m. June 03
6/11/2006	SERC	6:00 p.m.	Charlotte, North Carolina Metropolitan area	Severe Thunderstorm	70	72,000	9:00 p.m. June 11
6/22/2006	RFC	2:00 p.m.	Ohio and Indiana	Severe Thunderstorms	750	195,000	11:00 p.m. June 27
<b>July</b>							
7/2/2006	RFC	6:39 p.m.	Northern Virginia	Severe Thunderstorms	300	75,000	12:31 a.m. July 03
7/4/2006	SERC	5:30 p.m.	Northern Virginia	Severe Thunderstorms	335	67,000	8:18 p.m. July 04

7/16/2006	RFC	2:00 p.m.	Middle 1/3 of Michigan Lower Peninsula	Severe Lightning Storms	150	315,000	12:00 a.m. July 21
7/17/2006	NPCC	6:50 p.m.	Northwest Queens, New York City	Severe Weather/Public Appeals Made/Voltage Reduction	N/A	25,000	3:06 a.m. July 25
7/17/2006	RFC	9:00 p.m.	Northern Counties of Illinois	Severe Lightning Storms	N/A	170,519	9:00 a.m. July 18
7/18/2006	RFC	6:36 p.m.	Chester, Montgomery, Delaware, Philadelphia and Bucks Counties, Pennsylvania	Severe Lightning Storms	N/A	492,955	11:59 p.m. July 23
7/18/2006	NPCC	8:07 p.m.	Norwalk, Stamford, Connecticut	Lightning Storms/Tripped Lines	0	0	10:32 p.m. July 18
7/19/2006	SERC	11:00 a.m.	Greater Little Rock, Arkansas	Load Reduction/Public Appeals Made	40	8,000	5:54 p.m. July 19
7/19/2006	MRO	6:00 p.m.	Greater St. Louis Metropolitan area (Missouri and Illinois)	Severe Storms (3) (Many customers experienced multiple outages.)	1,500	700,000 (peak) 2,500,000 (actual)	8:00 a.m. July 31
7/22/2006	WECC	1:09 p.m.	California	Widespread Heat Wave/Public Appeals Made	200	1,271,893	4:00 p.m. July 27
7/24/2006	WECC	2:33 p.m.	California	Widespread Heat Wave/CAISO Implementation of Stage 2 Electrical Emergency Plan	414	Interruptible Tarriff	5:33 p.m. July 24 1-6 customers
7/24/2006	WECC	2:33 p.m.	California	Widespread Heat Wave/CAISO Implementation of Stage 2 Electrical Emergency Plan	695	N/A	5:33 p.m. July 24
7/27/2006	RFC	6:38 p.m.	Chester, Montgomery, Delaware, Philadelphia and Bucks Counties, Pennsylvania	Severe Thunderstorms	N/A	167,564	9:36 p.m. July 29

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<b>August</b>							
8/1/2006	RFC	12:00 p.m.	Northern Ohio	Made Public Appeals/Heat Wave	N/A	N/A	7:00 p.m. August 01
8/1/2006	RFC	1:00 p.m.	Ohio, Indiana, Kentucky	Made Public Appeals	90	N/A	8:30 p.m. August 01

8/2/2006	MRO	12:00 p.m.	Midwest ISO's Market Sub-regions: AMRN, CIN, CILC, CWLD, CWLP, FE, HE, IP, IPL, LGEE, MECS, NIPS, SIGE, SIPC	Declared Energy Emergency Alert 2/Heat Wave	N/A	N/A 4:45 p.m. August 02
8/2/2006	NPCC	1:00 p.m.	New England	System Wide Voltage Reduction	N/A	N/A 4:35 p.m. August 02
8/2/2006	NPCC	7:00 p.m.	New England	Severe Thunderstorms	100-140	77,000 1:00 a.m. August 03
8/3/2006	PR	2:16 p.m.	Island of Puerto Rico	Shed Firm Load	369	227,480 2:46 p.m. August 03
8/7/2006	RFC	1:00 p.m.	Tulsa, Oklahoma	Made Public Appeals	75	Major Industrial Customer Load Reduction 6:00 p.m. August 07
8/10/2006	WECC	8:00 p.m.	Southwest Idaho and Eastern Oregon	Severe Thunderstorm	80 to 100	65,000 12:00 p.m. August 12
8/24/2006	PR	9:58 p.m.	Island of Puerto Rico	Shed Firm Load/Reduced Voltage	180	106,000 11:25 p.m. August 24
<b>September</b>						
9/1/2006	SERC	5:30 a.m.	Eastern North Carolina	Tropical Storm Ernesto	N/A	61,000 10:00 a.m. September 01
9/1/2006	SERC	6:41 a.m.	Virginia and North Carolina	Tropical Storm Ernesto	500	333,000 3:25 p.m. September 03
9/1/2006	RFC	10:00 a.m.	Southern Delmarva Peninsula	Tropical Storm Ernesto	380	105,000 2:00 p.m. September 04
9/1/2006	RFC	3:00 p.m.	Chester, Montgomery, Delaware, Philadelphia and Bucks Counties, Pennsylvania	Tropical Storm Ernesto	N/A	146,094 11:00 p.m. September 04
9/1/2006	RFC	8:00 p.m.	Southern New Jersey Counties	Tropical Storm Ernesto	400	100,000 5:00 p.m. September 04
9/14/2006	PR	8:56 a.m.	Island of Puerto Rico	Shed Firm Load/Reduced Voltage	59	34,716 9:08 a.m. September 14
9/28/2006	SERC	8:08 p.m.	North, Central and Eastern Virginia and Northern North Carolina	Severe Thunderstorms	84	56,500 10:10 p.m. September 28
<b>October</b>						
10/2/2006	RFC	2:00 p.m.	Chicago Metro, Northeast Illinois	Severe Thunderstorms	N/A	471,932 6:00 p.m. October 03
10/2/2006	WECC	3:05 p.m.	Newhall, San Frenando, Saugus, and Santa Clarita, California	Shed Firm Load	308	130,000 8:39 p.m. October 02
10/3/2006	ERCOT	5:28 p.m.	Grimes, Robertson, Fort Bend, Brazos, Burleson and Walker Counties	Shed Firm Load	339	N/A 9:59 p.m. October 03
10/12/2006	NPCC	5:48 p.m.	Western New York State	Snow Storm	600	250,000 12:00 a.m. October 23
10/12/2006	NPCC	8:00 p.m.	Western New York State	Snow Storm	353	120,000 11:00 p.m. October 21
10/15/2006	MECO	7:09 a.m.	Island of Maui	Earthquakes	110	59,886 4:12 p.m. October 15
10/15/2006	HECO	7:09 a.m.	Island of Oahu	Earthquakes	1,170	291,000 2:55 p.m. October 16

10/20/2006	RFC	1:00 p.m.	Chester, Montgomery, Delaware, Philadelphia and Bucks Counties, Pennsylvania	High Winds	N/A	90,000	5:00 p.m. October 22
10/26/2006	MRO	5:30 a.m.	Metro Denver and Boulder, Colorado	Wet Snow/Winds	N/A	65,000	5:10 p.m. October 27

**November**

11/15/2006	ERCOT	10:00 a.m.	System-wide greater Houston area	High Winds	221	83,000	8:00 p.m. November 15
11/15/2006	WECC	1:00 p.m.	Whatcom and Skagit Counties, Washington	High Winds	50	50,000	2:35 a.m. November 19

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11/15/2006	SERC	3:00 p.m.	Georgia	Severe Weather	363	109,000	5:00 p.m. November 15
11/26/2006	WECC	1:00 p.m.	Snohomish County, Washington	Wind/Snow Storm	180	63,992	6:00 p.m. December 02
11/30/2006	MRO	9:00 p.m.	Missouri and Illinois	Ice Storm	N/A	550,000	6:00 p.m. December 09
<b>December</b>							
12/1/2006	RFC	6:20 p.m.	Ohio	Wind Storm	N/A	59,106	6:00 a.m. December 02
12/10/2006	WECC	7:35 p.m.	San Francisco Bay area, California	Unit Tripped	220	N/A	10:14 p.m. December 10
12/13/2006	WECC	4:30 a.m.	Western Washington	Wind Storm	N/A	700,000	11:59 p.m. December 28
12/14/2006	WECC	12:01 a.m.	City of Seattle, Washington	Wind Storm	750	175,000	8:00 a.m. December 15
12/14/2006	WECC	5:30 a.m.	Snohomish County, Washington	Wind Storm	360	172,060	10:00 p.m. December 20
12/14/2006	WECC	9:44 a.m.	Oregon, Washington, Idaho, Montana	Wind Storm	258	24	2:34 p.m. December 31
12/14/2006	WECC	12:07 p.m.	State of Oregon Coastal area	High Winds	N/A	111,000 (peak)	12:00 p.m. December 17
12/14/2006	WECC	5:00 p.m.	Greater Tacoma area (City of Fircrest, University Place, City of Lakeland) and portions of South Pierce County in State of Washington	High Winds	280	75,000	4:00 p.m. December 16
12/14/2006	WECC	7:00 p.m.	Oregon Counties: Multnomah, Clackamas, Washington, Marion	High Winds	N/A	249,500	8:00 p.m. December 17
12/16/2006	WECC	7:30 p.m.	Oregon Counties: Washington, Yamhill	Transmission Equipment/Fire	350	84,500	1:00 a.m. December 17
12/26/2006	WECC	12:01 a.m.	Northern California	Severe Weather	420	850,068	9:13 a.m. December 31

12/29/2006	PR	4:25 p.m.	North Part of the Island	Main Power Transformer Failure/Voltage Reduction/Fire Severe Weather	50	18,386 6:59 p.m. December 31
12/30/2006	MRO	10:25 p.m.	Gosper, Harlan, Franklin, Webster, Clay, Adams, Kearney, Phelps, Dawson, Buffalo, Hall, Hamilton, Sherman, Custer, Valley, Greeley, Howard, Merrick, York, Fillmore, Nance, Boone, Wheeler, Madison, Antelope, Pierce, Platte and Seward Counties in Central Nebraska		300-500	15,000 2:25 p.m. January 06

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[1] Estimated values.

Note: Estimates for 2004 and 2005 are preliminary.

Source: Form OE-417, "Electric Emergency Incident and Disturbance Report."