

**Table B.2. Major Disturbances and Unusual Occurrences, 2003**

Date	NERC Region	Time	Area	Type of Disturbance	Loss (megawatts)	Number of Customers Affected <sup>1</sup>	Restoration Time
<b>August</b>							
8/14/2003	ECAR	Approximately 3:00 p.m.	Geographic areas for MISO Reliability Coordination footprint: Michigan and Ohio	Unknown *	Approx. 18,500 MW, in MISO area: First Energy 7,500  Detroit Edison 9,200 Consumers Energy 1,800	NA	Approximately 8/17/03, 5:00 p.m.
8/14/2003	ECAR	4:09 p.m.	Southeastern Michigan including all of Detroit	Unknown *	11,000	2,100,000	8/16/03, 7:00 a.m.
8/14/2003	ECAR	4:09 p.m.	Southern Lower Michigan and small areas near Flint, Alma, Saginaw, and Lansing Michigan	Unknown *	1,007	101,000	8/16/03, 1:03 p.m.
8/14/2003	ECAR	4:10 p.m.	Northeast, Ohio	Unknown *	7,000	1,203,000	8/16/03, 8:27 p.m.
8/14/2003	NPCC	4:10 p.m.	Southwestern Connecticut and a small portion of Western Massachusetts and Vermont	Unknown *	2,500	NA	8/16/03, 3:45 a.m.  Restoration ended;  8/17/03, 7:00 p.m.,  incident ended
8/14/2003	NPCC	4:10 p.m.	New York State	Unknown *	22,934	unknown	8/18/03, 12:03 a.m.
8/14/2003	NPCC	4:10 p.m.	New York- Buffalo to Albany; Ontario, Canada to Pennsylvania	Unknown *	NA	840,137	8/14/03, 11:48 p.m.
8/14/2003	MAAC	4:10 p.m.	Northern New Jersey Erie, Pennsylvania area	Unknown *	4,100 MW (Northern NJ) and 400 MW, (Erie, PA) area	NA	Approximately 8/15/03, 6:00 a.m.
8/14/2003	NPCC	4:11 p.m.	Entire Con Edison System (five boroughs of NYC and Westchester County)	Unknown *	11,202	3,125,350	8/15/03, 9:03 p.m.

\* Information as provided by the respondent. The occurrence is, however, associated with the massive blackout of August 14, 2003. For further information, refer to the Interim Report: Causes of the August 14 Blackout in the United States and Canada, November 2003 at <http://www.energy.gov/engine/content.do>.

Note: North American Electric Reliability Council region acronyms are defined in the glossary.

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