

Electric Power Annual 2010

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Table 4.8.B. U.S. Transmission Circuit Sustained Automatic Outage Hours by High-Voltage Size and NERC Region, 2010

Voltage Type	Operating (kV)	Sustained Automatic Outage Hours								Total
		FRCC	MRO	NPCC	RFC	SERC	SPP	TRE	WECC	
AC	100-199	NA	NA	NA	NA	NA	NA	NA	NA	NA
AC	200-299	6,789	W	W	3,287	2,195	W	-	17,614	29,886
AC	300-399	-	2,522	4,360	4,882	880	975	1,089	1,056	15,764
AC	400-599	75	W	-	4,907	1,567	W	-	3,752	10,300
AC	600+	-	-	W	265	-	-	-	-	265
AC Total		6,864	7,619	14,530	13,341	4,642	1,117	1,089	22,422	71,623
AC Outage Hours per Incident[1]		50	35	208	51	15	9	15	27	35
DC Total		-	W	W	W	-	-	-	W	3,303
DC Outage Hours per Incident[1]		-	W	W	W	-	-	-	W	54

Notes:

[1] Circuit outage duration in hours per outage incident

- NA - Not Available
- W - Withheld
- An Automatic Outage is an outage which results from the automatic operation of a switching device,
 - A Sustained Outage is an automatic outage with an outage duration of a minute or greater.

Source: U.S. Energy Information Administration, Form EIA-411, "Coordinated Bulk Power Supply Program Report."