

NERC

NORTH AMERICAN ELECTRIC
RELIABILITY CORPORATION

Vegetation–Related Transmission Outage Report

Third Quarter 2011

RELIABILITY | ACCOUNTABILITY



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The NERC Board of Trustees Compliance Committee has reviewed and accepted this Vegetation-Related Transmission Outage Third Quarter 2011 Report.

Vegetation-related transmission outages that occurred in the third quarter of 2011 are being reported in accordance with standard FAC-003-1.

The standard requires each outage to be categorized as one of the following:

- Category 1 — Grow-ins: Outages caused by vegetation growing into lines from vegetation inside and/or outside of the ROW.
- Category 2 — Fall-ins: Outages caused by vegetation falling into lines from inside the ROW.
- Category 3 — Fall-ins: Outages caused by vegetation falling into lines from outside the ROW.

Table 1 is a summary of the vegetation outages that occurred in the third quarter by voltage class and category.

**Table 1: Third Quarter 2011 Summary of Vegetation-Related Outages
by Voltage Class and Outage Category**

Category	RE Designated Critical Lines <200 kV	230 kV	345 kV	500 kV	765 kV	Total
Category 1 — Grow-ins	0	0	0	0	0	0
Category 2 — Fall-ins	0	0	0	0	0	0
Category 3 — Fall-ins	0	0	0	0	0	0
Total	0	0	0	0	0	0

In comparison, during the third quarter of 2010, the following five vegetation-related transmission outages were reported:

- Two Category 1 outages:
 - 1- 500kV
 - 1- 345kV
- Three Category 3 outages:
 - 3- 230kV

Category 1 — Grow-ins

No outages caused by vegetation growing into lines from vegetation inside and/or outside of the ROW were reported during the third quarter 2011.

Category 2 — Fall-ins

No outages caused by vegetation falling into lines from inside the ROW were reported during the third quarter 2011.

Category 3 — Fall-ins

No outages caused by vegetation falling into lines from outside the right-of-way were reported during the third quarter 2011.

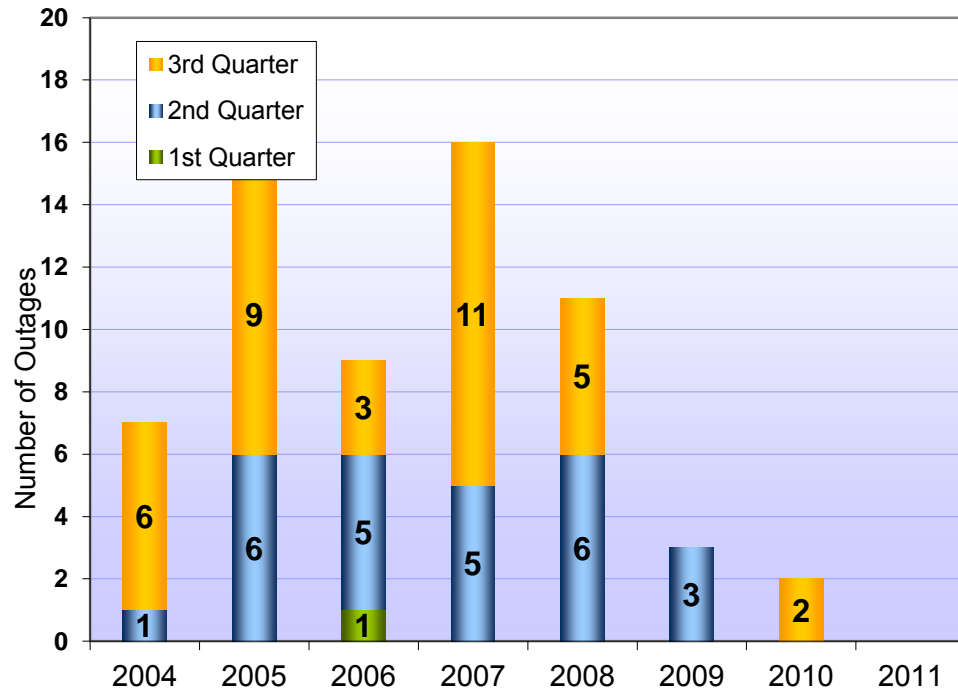
Table 2 summarizes the number of transmission outages by voltage level, region, and category. Figure 1 illustrates the number of outages caused by vegetation growing into transmission lines from within the right-of-way that have been reported since 2004. Figure 2 provides this information by voltage class for each year.

Table Summary of Vegetation-Related Transmission Outages¹ by Region and by Outage Category for Each Quarter in 2011

Region	First Quarter			Second Quarter			Third Quarter			Fourth Quarter			TOTAL		
	Category 1	Category 2	Category 3	Category 1	Category 2	Category 3	Category 1	Category 2	Category 3	Category 1	Category 2	Category 3	Category 1	Category 2	Category 3
	GROW-INS (inside/outside ROW)	FALL-INS (inside ROW)	FALL-INS (outside ROW)	GROW-INS (inside/outside ROW)	FALL-INS (inside ROW)	FALL-INS (outside ROW)	GROW-INS (inside/outside ROW)	FALL-INS (inside ROW)	FALL-INS (outside ROW)	GROW-INS (inside/outside ROW)	FALL-INS (inside ROW)	FALL-INS (outside ROW)	GROW-INS (inside/outside ROW)	FALL-INS (inside ROW)	FALL-INS (outside ROW)
FRCC															
MRO						2-230 kV									2-230 kV
NPCC															
RFC															
SERC						3-230 kV									3-230- kV
SPP															
TRE															
WECC			3-230 kV												3-230 kV
TOTAL			3-230 kV			5-230 kV									8-230 kV

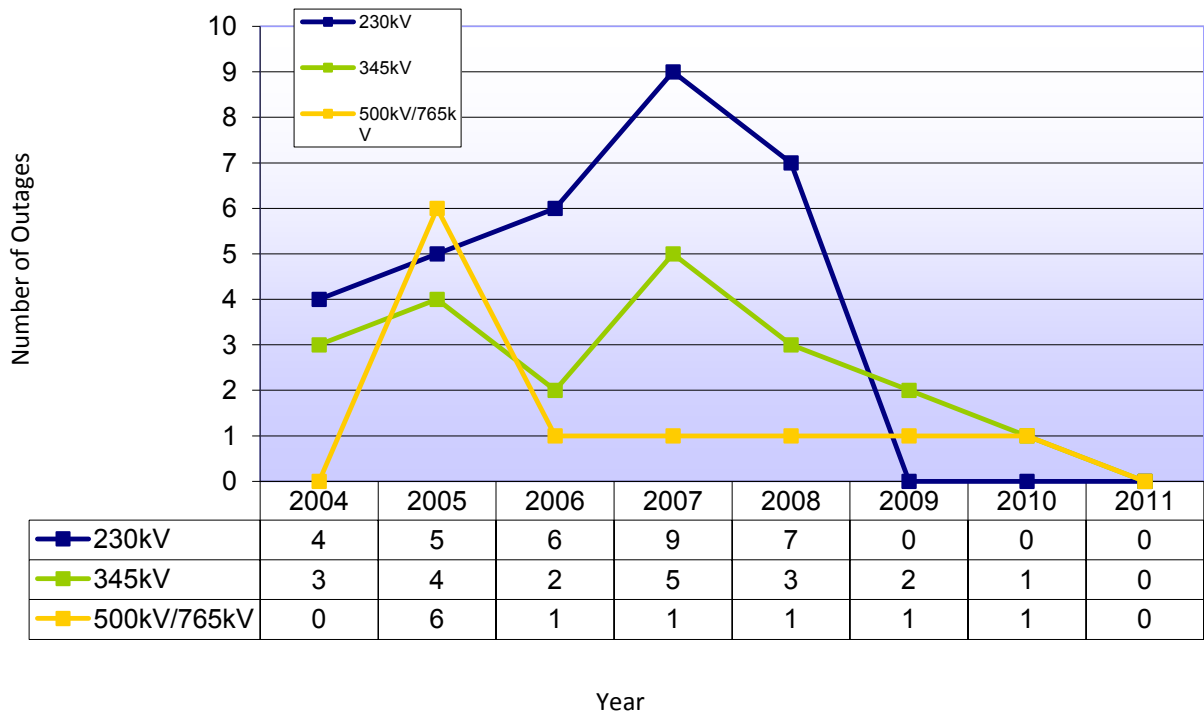
¹ Contains only sustained outages of transmission lines and does not include violations resulting from momentary outages or encroachments into the clearance zone as described in standard FAC-003.

Figure 1: Category 1 — Grow-in Outages Caused by Vegetation Growing into Lines from Inside and/or Outside the ROW.¹



¹ Includes one 2007 Category 1 outage caused by vegetation growing into a RRO-designated critical line <200 kV.

Figure 2: Category 1 — Grow-In Vegetation Related Outages of 230 kV and Higher



Transmission by Voltage Class