

Vegetation-Related Transmission Outage Report Fourth Quarter 2010

The NERC Board of Trustees Compliance Committee has reviewed and accepted this Vegetation-Related Transmission Outage Fourth Quarter 2010 Report.

Vegetation-related transmission outages that occurred in the fourth quarter of 2010 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.

All Category 1 and 2 outages are considered to be violations of NERC standard FAC-003-1, with corresponding levels of noncompliance defined in the standard. The reporting of these violations is handled separately as part of the NERC performance reporting process. Category 3 outages are not considered to be violations of NERC standard FAC-003-1. Table 1 is a summary of the vegetation outages that occurred in the fourth quarter by voltage class and category.

**Table 1: Fourth Quarter 2010 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 fourth quarter of 2009, the following two vegetation-related transmission outages were reported:

- Two Category 3 outages:
 - 1 – 230 kV
 - 1 – <200 kV

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 fourth quarter 2010.

Category 2 — Fall-ins

No outages caused by vegetation falling into lines from inside the ROW were reported during the fourth quarter 2010.

Category 3 — Fall-ins

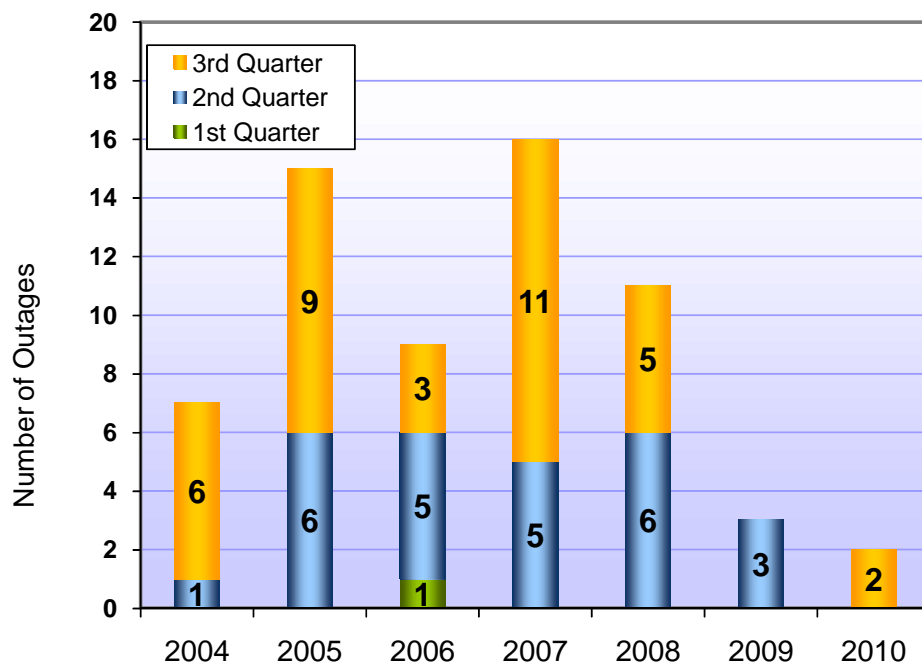
No outages caused by vegetation falling into lines from outside the right-of-way were reported during the fourth quarter 2010.

Table 2: Summary of Vegetation-Related Transmission Outages* by Region and by Outage Category for Each Quarter in 2010

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			1-230 kV												1-230 kV
MRO															
NPCC						2-230 kV									2-230 kV
RFC															
SERC			1-230 kV			3-230 kV	1-500 kV		3-230 kV				1-500 kV		7-230 kV
SPP							1-345kV						1-345kV		
TRE															
WECC			2-230 kV 1-500 kV			2-230 kV 1-500 kV									4-230 kV 2-500 kV
TOTAL			4-230 kV 1-500 kV			7-230 kV 1-500 kV	1-500 kV 1-345kV		3-230 kV				1-500 kV 1-345kV		14-230 kV 2-500 kV

* 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.[‡]



[‡] Includes one 2007 Category 1 outage caused by vegetation growing into a RRO-designated critical line <200 kV.
 Fourth Quarter 2010 Vegetation-Related Transmission Outages

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

