



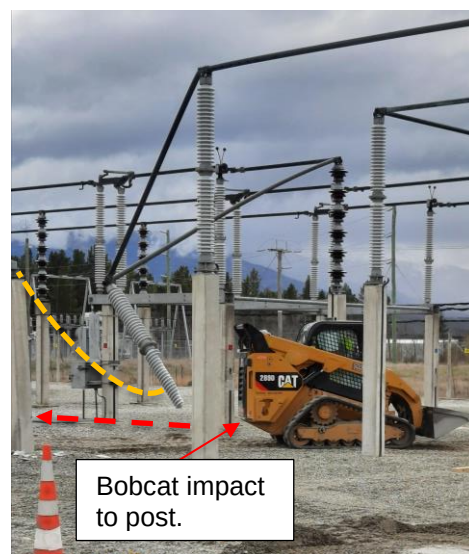
Bobcat Backs into 220kV Bus Post

Overview of event

- During yard work, a Bobcat backed into a 220kV bus support post.
- The impact to the post caused the bottom insulator to break and allow the bus to sag.
- There was no injury or loss of supply.

IMMEDIATE ACTION TAKEN

- All work ceased, bobcat was ordered to stop and the driver to remain in the cab.
- A forced outage was scheduled.
- The bottom insulator was replaced and the copper 220kV bus reinstated.



ROOT CAUSE

- Bobcat weighing 7T backing without full communication with the safety observer (SO). An airhorn was in use, however, due to the enclosed cab of the Bobcat the communication was limited.
- A Bobcat, as with any mobile plant, has some limited vision when backing. Coupled with inadequate communication and poor positioning of the SO, the Bobcat's deviation was not observed in time to stop the event.
- The Bobcat driver moved to the final task for the day without communicating his movement with the SO.

LEARNINGS

- All movements of mobile plant in high risk situations, such as working under or around in-service equipment must be undertaken with effective "TWO-WAY" communication established.
- Additional measures such as Marked access ways, Protective barriers, Demarcated pathways should be considered in the planning stage of the project.