

# 2025 – URD / Riser Changeout

**Drop Dead Time:** 20 Minutes

## **Event Summary:**

This event will consist of one single-phase pad mount transformer at the end of a radial feed. The transformer has a preferred feed and a spare feed going into the transformer. The fuse will be open, and prior to you starting the event you know that the engineers have verified that the preferred wire is bad, and the spare wire has tested good. One climber will ascend the pole and isolate the line and load side of the cutout. The lineman on the pole will send the fuse door down on a hand line. The lineman will let the groundmen know that the line has been isolated, and that they can proceed with swapping the preferred wire out of the H1a side of the transformer and then install the spare wire that is parked in the parking stand into the H1a bushing of the transformer. The bad wire must be parked into the parking stand in the transformer. When all work is complete, and all men are clear you can let the climber know that the transformer can be energized. Once the transformer has been energized you must take voltage on the secondary side of the transformer by checking you have 120/240 volts on the secondary side of the transformer. Time will stop once you have yelled up to the climber that you have good voltage.

## **Event Description:**

- 1. The secondary conductors that could contribute to a backfeed have been properly isolated and grounded and are not a graded part of this event.**
2. The preferred cable has already been tested to be bad.
3. The spare cable has been tested to be good by the engineering team.
4. All conductors within the minimum approach distance **MUST** be covered
5. If climbing past a secondary crib or system ground the neutral/conductors must be covered and may be floated..
6. Climber will ascend the pole, remove the blown fuse holder, and isolate (lift) the Line and Load side taps.
7. Climber will send down the blown fuse on a handline and notify the groundmen that the feed has been isolated.
8. With two groundman one will be responsible for doing the work on the transformer, and the other will be responsible for watching over the two workers.
9. The groundman that is working on the transformer must wear rubber gloves.
10. The groundman will remove the bad wire from the H1a side of the transformer.
11. The groundman will then remove the spare wire from the parking stand and install it into the H1a bushing of the transformer.

12. The groundman will then install the bad wire into the parking stand to secure it and install a tag on the wire that states the wire is bad.
13. After repairs are complete the groundmen will notify the climber that work is complete and personnel are clear, and he can start the process to reenergize the line feeding the transformer. The replacement fuse holder will be sent up to the climber on a handline.
14. After installing the Line and Load side taps but before installing the fuse, the lineman on the pole must notify the groundmen and verify that all personnel are clear.
15. Install and close the fuse.
16. Groundman will test for secondary voltage on the transformer. 120/120/240
17. After the voltage is called out the time will stop
18. You are still being judged until you leave the event. All general rules apply.