

URD New Installation 12KV Chief Judge: Dustin Viator (Journeyman Event)

Mean Time: 10 Minutes

Drop Dead Time: 15 Minutes

Event Summary:

This event will consist of a single-phase riser made up complete with the hot line clamp not attached to the primary. The cutout door will be placed by the pole on the ground fused. This is feeding a new transformer that is partially made up except the elbow and the secondary connections. The elbow will need to be terminated and plugged on the primary bushing and the secondary conductors will need to be stripped and connected to the secondary bars. The meter that this transformer is feeding is a simulation and is considered pulled already. The climber will need an **8-foot stick** to attach the hotline clamp onto the stirrup (already attached to the primary conductor) and close the cutout. The climber must be below the neutral before closing the cutout. Neutral shall be covered properly. MAD distance will need to be maintained to hang the door by hand. Voltage will be checked at the transformer after the cutout is closed. The climber can work on the ground fully tooled up as long as gaff guards are on

Event Specifications:

1. No grounding will be required in this event.
2. A completely new elbow will be terminated on 1/0 25kV underground primary cable and elbows (Manufacturer Specs).
3. Secondary Conductors will be 4/0 aluminum triplex terminated (Manufacturer Specs). With a secondary block with a 5/16 allen wrench lug.
4. After secondary insulation is stripped, secondary will be installed onto the secondary bar.
5. Then plug the new terminated cable into the transformer. **(Rubber gloves and shotgun stick must be used)**
6. The hotline clamp cannot be installed on the primary until the transformer is made up completely.
7. The neutral shall be covered to maintain the MAD before making up the hot line clamp and closing the cutout.
8. After the hot line clamp is installed and the cutout is closed using an **8-foot stick**, one of the team members will check voltage on the secondary side with a **voltage tester, not simulated**.
9. Rubber gloves must be worn ground to ground and while checking voltage at the transformer completely.
10. Once the voltage is checked, the time will be stopped, and the team must open the cutout, take the hot line clamp off, take cover down, cut the elbow off, and remove the secondary conductors from the secondary bars.
11. The elbow will be cut off so that the judge can inspect for workmanship.
12. Teams are still being judged until the competitors leave the event.

Materials:

- N/A





