No Load Line Segment De-Energization Process

SUMMARY

Rarely used line segments considered to be idle line will be de-energized to reduce the risk of igniting a catastrophic wildfire. Distribution line segments have been identified for potential proactive de-energization, if they are located within the high fire threat district (HFTD), are greater than 100’, and are lacking transformers or primary meters with active customers. These line segments will remain de-energized during periods defined by the Wildfire Risk Governance Committee.

Level of Use: Informational Use

AFFECTED DOCUMENT

TD-2700P-06, "Distribution Switching"

TARGET AUDIENCE

This document applies to Distribution Control Center (DCC) personnel, restoration personnel, and line crew personnel.

WHAT YOU NEED TO KNOW

1. Prior to De-Energization

1.1 Wildfire Risk Governance Committee identifies ties and radials to be de-energized.

2. Radial/Tap Line De-Energization

2.1 PATROL and ENSURE maps are accurate and no customers are served for both the taps/radials identified

2.2 OPEN device de-energizing to end of line (EOL) and tag CAUT.

2.3 UPDATE DMS with field conditions.

2.4 PLACE NO OPER tag in DMS on the device opened.

1. Required tag info:
   a. Date line segment was patrolled and by whom.
   b. Date line segment was de-energized and by whom.
   c. AFW number if applicable.
   d. Any other available pertinent information.

2.5 IF an AFW was submitted,
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THEN COMPLETE the ILIS event switching page.

2.6 IF no AFW was submitted,

THEN ENTER a routine log into ILIS.

1. Required routine log info:
   a. Circuit.
   b. Devices that have been operated.
   c. Date line segment was patrolled and by whom.
   d. Date line segment was de-energized and by whom.
   e. How the DO was notified to complete the task (e.g., email, phone call, provided list, etc.).

3 Mainline Back Tie De-Energization

3.1 PATROL and ENSURE maps are accurate, and no customers are served by the circuit segments identified by the Wildfire Risk Governance Committee.

3.2 Field/Crew DISCONNECT all idle transformers in identified line segments.

3.3 EXECUTE appropriate switching plan OPEN device(s) to de-energize
   1. PLACE a CAUT tag in field on the device used to de-energize the line segment.

3.4 UPDATE DMS with field conditions.

3.5 PLACE NO OPER tag in DMS on all open devices providing a potential source.
   1. Required tag info:
      a. Date line segment was patrolled and by whom.
      b. Date line segment was de-energized and by whom.
      c. AFW number.
      d. Any other available pertinent information.

3.6 COMPLETE ILIS event switching page.
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4 Utilizing a De-Energized Mainline Back Tie for Planned and Unplanned Work on an Adjacent Circuit

4.1 CREATE an appropriate switching plan to energize the prescribed line segment

4.2 PATROL 100% of the de-energized line segment to be energized must be completed prior to energizing regardless of conditions.

4.3 EXECUTE appropriate switching plan to energize the prescribed line segment

4.4 UPDATE DMS with field conditions.

1. REMOVE NO OPER tags from DMS.

4.5 PROCEED with switching plan to energize adjacent circuit.

4.6 DE-ENERGIZE no load line segment (use section 3 process) within 24 hours of adjacent circuit being able to be restored normal.

5 Public Safety Power Shutoff (PSPS)

5.1 No load line segments load side of a line segment that is being de-energized for a PSPS event:

1. LEAVE the no load line segment isolated from all sources of power.

2. PATROL all no load line segments in their entirety AFTER ALL customers have been restored.

   a. IF NO repairs to the no load line segment are needed,

      THEN leave the no load line segments de-energized.

   b. IF repairs are made to the no load line segments,

      THEN:

      (1) ENERGIZE no load line segments to TEST repairs.

      (2) DE-ENERGIZE no load line segments immediately after a good test.

3. DO NOT leave no load line segments ENERGIZED after PSPS events UNLESS directed to do so by authorized personnel.
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6 Patrol Process Required for Tap Line Restoration

6.1 PATROL 100% of the de-energized line segment to be energized must be completed prior to energizing regardless of conditions (planned or unplanned).

6.2 REMOVE tag and CLOSE device required to energize prescribed line segment.

6.3 UPDATE DMS with field conditions.
   1. REMOVE NO OPER tag from DMS.

6.4 IF an AFW was submitted, 
   THEN COMPLETE the ILIS event switching page.

6.5 IF no AFW was submitted, 
   THEN ENTER a routine log into ILIS.
   1. Required routine log info:
      a. Circuit.
      b. Date line segment was patrolled and by whom.
      c. Date line segment was energized and by whom.
      d. How the DO was notified to complete the task (e.g., email, phone call, provided list, etc.).

7 Patrol Process for Planned Mainline Back Tie Restoration

7.1 AFW required for main line no load energization.

7.2 CREATE an appropriate switching plan to energize the prescribed line segment.

7.3 PATROL 100% of the de-energized line segment to be energized must be completed prior to energizing regardless of conditions.

7.4 EXECUTE appropriate switching plan to energize the prescribed line segment.

7.5 UPDATE DMS with field conditions.
   1. REMOVE NO OPER tags from DMS.

7.6 COMPLETE ILIS event switching page.
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DOCUMENT APPROVER

[Name] Distribution Control Center Director, Electric Operations

DOCUMENT CONTACT

[Name] Business Process Supervisor, Electric Operations
[Name] Distribution Operations Specialist, Expert
[Name] Distribution Operations Specialist, Expert
[Name] Training and Simulation Specialist, Expert
[Name] Training and Simulation Specialist, Senior
[Name] Training and Simulation Specialist, Expert

INCLUSION PLAN

This information will be permanently housed in TD-2700P-06, "Distribution Switching". The information in this bulletin will be moved into the TD-2700P-06 procedure within 1 year of the publication date.