



FEDERATED RURAL ELECTRIC
INSURANCE EXCHANGE

A reciprocal exchange managed by Federated Rural Electric Management Corp.

A Touchstone Energy® Cooperative 

Dear Safety Professional:

April / 2023

Federated's Near-Miss Program is designed to identify and communicate incidents and hazards experienced by cooperatives nationwide. The data collected can be used by your system to develop training programs designed to eliminate future accidents. This report is provided to you as a training tool to review with employees in an effort to eliminate future incidents.

Corrective Action is the action taken by the group reporting the incident.

Possible Corrective Action is provided as another possible action that could be taken based on the limited information available.

Task Performed

Report #1

Office/Facility Incident

Incident Summary

Employee put a box on top of the stove and bumped the burning knob, turning the stove on. Stepped away, when came back upstairs saw smoke. Removed the box on the stove and the smoke detector went off. Opened the windows and door to remove the smoke.

Safety Equipment in Use - No

Job Briefing Conducted - Yes

Corrective Action Taken

Slow down and pay attention to surrounding items.

Possible Corrective Action

N/A

Task Performed**Report #2**

OHD Construction/Maintenance

Incident Summary

Crew was changing out an A9 reject pole, the wire had a pre existing splice that landed right in the center of the insulator on the new pole. Crew installed rubber cover up, and mac, then cut the splice out of the wire. After the new 2/4 combo auto splice was installed the crew came off on the hoist, and removed the mac, as soon as the crew started to move the wire to retie the splice failed and the wire hit the ground and operated the recloser. Failure of equipment. New 2/4 auto splice failed to hold. Contemplating removing combo splices from inventory, and going back to wire size specific auto splices. All men and equipment were in the clear of potential hazards, no injuries with this close call. Line protection equipment operated as expected.

Safety Equipment in Use - Yes**Job Briefing Conducted - Yes****Corrective Action Taken**

N/A

Possible Corrective Action

Confirm the correct size of splice is being used by checking stamped wire size on splice.
When work is being performed overhead, no employee shall be directly under any potential falling hazards.
Follow manufacturer's instructions when installing splice.
Ensure the equipment to be used is designed for the task and is the proper size.

Task Performed**Report #3**

Office/Facility Incident

Incident Summary

When exiting meter shop the door only opened about half way before catching resulting in me walking into the door. Door arm was recently adjusted and was set too tight Door adjustment was not tested after adjusting. Ensure any adjustments are set properly.

Safety Equipment in Use - No**Job Briefing Conducted - No****Corrective Action Taken**

N/A

Possible Corrective Action

Confirm all tool & equipment adjustments are set properly and tested for accuracy.

Task Performed**Report #4**

Substation Work

Incident Summary

During switching process to get substation back online the next step required the lineman to go to GOAB 123 and open. He drove down county road and stopped at GOAB 124 which was a few spans away and opened, resulting in an outage Did not verify switch number on device with number on switching order

Safety Equipment in Use - Yes**Job Briefing Conducted - Yes****Corrective Action Taken**

N/A

Possible Corrective Action

Consider written switching orders when changing normal line feed or conducting maintenance.
Confirm switch number and switch position before moving a switch.

Task Performed**Report #5**

URD Restoration/Repair

Incident Summary

Upgraded 25 kva padmount to a 50 kva. Energized and checked voltage and found no voltage on secondaries. Checked bayonet fuse and it checked out ok. Disconnected transformer and brought back to shop for testing. Found internal connections for secondary lugs were never installed and were just floating in the tank. Poor quality control at factory. We were lucky that the secondary connections were floating in the clear.

Safety Equipment in Use - Yes**Job Briefing Conducted - No****Corrective Action Taken**

Have changed practice to test all transformers at shop before taking to field with a "last chance" tester to ensure they are operational

Possible Corrective Action

N/A

Task Performed**Report #6**

Public Liability

Incident Summary

Padmount transformer was involved in hit and run accident at unknown time. Did not result in outage however the secondary bushing was broken off and was leaning against the transformer can. This resulted in the transformer can being energized for an unknown period of time. Hit and run - bayonet fuse did not open. Transformer was de-energized before crew inspected damages so there was no exposure to crew.

Safety Equipment in Use - Yes**Job Briefing Conducted - No****Corrective Action Taken**

Continue public education efforts

Possible Corrective Action

Continue Public Education. The Safe Electricity program makes educating the public easy and provides hundreds of vetted, ready to use, customizable resources on an array of electrical hazard topics. To download these materials, visit www.safeelectricity.org. If you need assistance or have questions regarding the safety resources, email: info@safeelectricity.org.

Task Performed**Report #7**

Office/Facility Incident

Incident Summary

Walking through parking lot the loop of one boot became entangled in the backward facing open eyelet hook of the other boot resulting in my feet essentially being tied together causing me to fall. Loops were not tucked in boot. Loops caught on hooks of opposite boot. Slips, trips, and falls are still the number one OSHA recordable injury.

Safety Equipment in Use - No**Job Briefing Conducted - No****Corrective Action Taken**

Tuck in loops to help prevent entanglement

Possible Corrective ActionN/A

Task Performed**Report #8**

OHD Restoration/Repair

Incident Summary

Responded to power quality call and found bad voltage at meter. Called second lineman to bring new transformer. When second linemen arrived I de-energized transformer and tightened all connections and re-energized to see if that fixed voltage problem. When transformer was re-energized it made a groaning noise and failed internally. Transformer faulted internally. .

Safety Equipment in Use - Yes**Job Briefing Conducted - Yes****Corrective Action Taken**

Instead of re-energizing transformer and giving it a "smoke" test I should have used my Last Chance tester to see if the transformer was working. The Last Chance tester is a great tool and easy to use.

Possible Corrective Action

N/A

Task Performed**Report #9**

OHD Construction/Maintenance

Incident Summary

Replacing faulted streetlight with new one. While wiring in our streetlight wire I noticed that the factory wiring was connected phase to ground in the connector block. I corrected the factory installed wiring before energizing and it functioned correctly

Safety Equipment in Use - Yes**Job Briefing Conducted - Yes****Corrective Action Taken**

Poor quality controls at factory, don't assume new material is correct.

Possible Corrective ActionN/A

Task Performed**Report #10**

ROW Clearing/Maintenance

Incident Summary

Cutting tree from bucket that was laying on the wires. Tree butt rolled off the stump and rolled down the line and then landed on the cab of the truck.

Safety Equipment in Use - Yes**Job Briefing Conducted -** Yes**Corrective Action Taken**

N/A

Possible Corrective Action

N/A

Task Performed**Report #11**

Material Handling/Securing

Incident Summary

While employees were loading a transformer with a sling on forklift fork, into the belly of a service bucket, the sling slid off the forklift when it was about 12" from truck bed. Transformer landed on employee's composite toe boot, peeling off a layer of the boots leather.

Safety Equipment in Use - No**Job Briefing Conducted -** No**Corrective Action Taken**

Lift transformer into truck with a secured forklift attachment, instead of simply lifting transformer with a sling over the forklift fork. This should prevent a sling from accidentally sliding off the forklift.

Possible Corrective ActionN/A

Task Performed**Report #12**

OHD Restoration/Repair

Incident Summary

While looking into an outage, it was discovered a line was down on the ground and there was a small fire active when arriving on scene. Having driven past the OCR and noting the handle down, I proceeded to put the fire out with an extinguisher. Another employee arrived and recognized that there was a backfeed on the downed line due to a bank upstream. The second employee quickly informed me of the danger and I stepped away from the line while the other two phases were de-energized.

Safety Equipment in Use - No**Job Briefing Conducted - No****Corrective Action Taken**

SLOW DOWN and confirm the situation is safe before taking action. Although it had been noted that the OCR handle was down, the possibility of a backfeed from a bank was not recognized, due to the fire taking place. While it was not intended to ever come close to or touch the downed line, when you are walking out in tall grass, you cannot be certain where the line is laying and you could inadvertently come in contact with the line.

Possible Corrective Action

N/A

Task Performed**Report #13**

OHD Restoration/Repair

Incident Summary

While pulling wire back up from a tree falling, another tree fell on the line 2 spans upline. This shook the wire and caused the pole that the line truck was parked beside to break and lay over onto the boom of the truck.

Safety Equipment in Use - No**Job Briefing Conducted - No****Corrective Action Taken**

Not sure that there is anything that could have been done to prevent this particular incident from occurring, but maintaining awareness of your surroundings is necessary to remain safe daily.

Possible Corrective Action

N/A