



FEDERATED RURAL ELECTRIC
INSURANCE EXCHANGE

A reciprocal exchange managed by Federated Rural Electric Management Corp.

A Touchstone Energy® Cooperative 

Dear Safety Professional:

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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

URD Maintenance

Incident Summary

Pulled hot elbow and attempted to park it when the probe came into contact with the door of the 3 phase transformer blowing the fuse in the adjacent switchgear.

Safety Equipment in Use - No

Job Briefing Conducted - No

Corrective Action Taken

Should have opened the door all the way and applied coverup to any difference in potential

Possible Corrective Action

N/A

Task Performed**Report #2**

Public Liability

Incident Summary

Customer unfolding sprayer booms and tore down 1 phase and neutral wire. After securing scene, employee opened East & Center breakers. West breaker was already open. Other staff en route to make repairs.

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

Continue educating public on contacts

Possible Corrective Action

N/A

Task Performed**Report #3**

URD Construction

Incident Summary

Trenching in UD for chicken barns. There was a drain pipe that was in the drive. Coop was told pipe was at 7' so we lifted up to 4'. Hit pipe and it was only 3' deep. Spoke with customer and they are going to fix pipe. Dug up pipe so they can fix. Put wires under pipe and put tape in hole.

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

N/A

Possible Corrective ActionN/A

Task Performed**Report #4**

Driving

Incident Summary

Employee was backing out of truck bay and heard extendo stick tube hit something. Noticed overhead garage door did not open all of the way. Pulled back in and hit button again and door closed and opened again all of the way.

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

Need to open garage doors before getting in vehicle to be sure they open up completely. Overhead door will be checking garage doors and sensors.

Possible Corrective Action

N/A

Task Performed**Report #5**

OHD Construction

Incident Summary

Handle broke on bolt cutters

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

Wear work gloves and safety glasses

Possible Corrective Action

Inspect tools prior to use.

Task Performed**Report #6**

OHD Construction

Incident Summary

digger derrick was swung into bucket of bucket truck causing cracked bucket

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

Be aware of your surroundings.

Possible Corrective ActionN/A

Task Performed
OHD Construction

Report #7

Incident Summary

An apprentice lineman attempted to installed a watt hour meter in a temporary meter pole base and crossed a phase to ground. The transformer switch opened and the watt hour meter was damaged. The apprentice lineman was wearing all required PPE and was not injured. The electrician that installed the meter base crossed the load ground wire with the line hot leg. The apprentice lineman did not catch the mistake during his meter check before installing the meter.

Safety Equipment in Use - No

Job Briefing Conducted - No

Corrective Action Taken

Voltage readings between the source, load, and ground shall be made to prevent cross-phasing, feedback, or phase-to-ground fault through the meter or meter socket.
507.19 Metering

Possible Corrective Action

N/A

Task Performed
OHD Maintenance

Report #8

Incident Summary

Just finished installing a new cutout for a transformer and service. Just about to drive away, and the adjacent span fell to the ground and left the energized tail in the clear at the pole. Cause of outage was from a squeeze on bail being installed on copperweld wire.

Safety Equipment in Use - No

Job Briefing Conducted - No

Corrective Action Taken

N/A

Possible Corrective Action

Inspect adjacent structures and wire prior to beginning task.

Task Performed**Report #9**

OHD Outage

Incident Summary

When coop arrived, guy wire on ground and anchor pulled out of ground. It appeared auto took tight turn and caught guy and anchor and as anchor came out of ground guy wire fell into secondary bushing on transformer.

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

N/A

Possible Corrective Action

Evaluate and secure scene before beginning work.

Task Performed**Report #10**

Public Liability

Incident Summary

911 dispatched, semi hit pole and wire down. Coop staff member went to secure scene for 911 professionals. Driver was out of vehicle and stated he saw all wires above semi before getting out. Pole was broke off at ground and 10' left on tap with D.E. arm still attached, wires still up. All was clear. Coop staff disconnected 3-phase line and put in 2 way feed. After line shut off and grounded, they unhooked wires from broken top of pole and floated above semi and trailer.

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

N/A

Possible Corrective ActionN/A

Task Performed**Report #11**

Driving

Incident Summary

Raised garage door 7'. Went outside to stretch, came back in and stocked truck. Went to back up and hit door. Truck is 10' 2".

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

Make sure door is up before leaving the building.

Possible Corrective Action

N/A

Task Performed**Report #12**

OHD Construction/Maintenance

Incident Summary

When we were setting in new pole and turned on hydraulic tamp, the hose had a hole in it and started spraying hydraulic fluid.

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

Inspect all equipment before use.

Possible Corrective Action

N/A

Task Performed**Report #13**

Meter Maintenance

Incident Summary

While changing a meter at the golf course, a team that was playing golf did not like where the pickup truck was parked and deliberately hit a ball near the employee. The employee stated where he was parked was not in the way of the players.

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

There should be no need for a policy in regards to inconsiderate people.

Possible Corrective Action

N/A

Task Performed
General Office Work

Report #14

Incident Summary

Employees were running new communications cable to an office. The desk was pulled from the wall and one of the employees smelled an electrical burning smell. An ungrounded extension cord was found plugged into the UPS. The cord was removed and the smell dissipated.

Safety Equipment in Use - No

Job Briefing Conducted - No

Corrective Action Taken

Only use extension cords for temporary conditions, and never use an ungrounded cord. Cord was removed and destroyed.

Possible Corrective Action

N/A

Task Performed
General Office Work

Report #15

Incident Summary

Employee was leaving the office and noticed that 2 diagonal cross members had come loose on the gate. They were hanging below the gate and could have been caught in the chain.

Safety Equipment in Use - Yes

Job Briefing Conducted - No

Corrective Action Taken

Cross members were zip tied to the fence until repairs could be made.

Possible Corrective Action

N/A

Task Performed
General Office Work

Report #16

Incident Summary

Employee was walking to rest room and noticed a large puddle of soda coming from the bottom of the vending machine. The machine was opened and a can had been crushed in the roller causing it to explode. The can was removed and the floor was mopped. A wet floor sign was put up to warn employees.

Safety Equipment in Use - Yes

Job Briefing Conducted - No

Corrective Action Taken

Ensure cans are properly inserted into machine.

Possible Corrective Action

N/A

Task Performed
OHD Maintenance

Report #17

Incident Summary

WHILE REMOVING A HOTLINE CLAMP FROM A ENERGIZED LINE, THE HOTLINE CLAMP GOT STUCK IN THE SHOTGUN STICK AND WOULD NOT RELEASE. LINEMAN STARTED TO SHAKE THE SHOTGUN IN AN ATTEMPT TO FREE THE HOTLINE CLAMP. WHEN THE HOTLINE CLAMP CAME LOOSE IT BOUNCED INTO THE LIGHTNING ARRESTOR ON THE BREAKER KNOCKING OUT THE THE PHASE. LINE WAS SET ON ONE SHOT.

Safety Equipment in Use - No

Job Briefing Conducted - Yes

Corrective Action Taken

FIRST, IF IN TIGHT QUARTERS, USE EXTRA COVER UP. SECOND, MAKE SURE THE BREAKER IS OPEN AFTER BYPASSING. THIRD, SLOW DOWN AND ASSESS THE SITUATION. FORTH, TAKE THE TIME TO RAISE THE BUCKET AND RELEASE THE HOTLINE CLAMP FROM THE SHOTGUN OR CUT THE STINGER.

Possible Corrective Action

N/A

Task Performed**Report #18**

Equipment Maintenance

Incident Summary

While attaching the auger to the skid loader, the self latching latches did not latch. It appeared that they were properly latched from the operators position. While lifting the auger it came unhooked and fell away from the loader.

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

Have your co-worker double check the latches.

Possible Corrective Action

Inspect equipment prior to operation.

Task Performed**Report #19**

Line/Substation Switching

Incident Summary

Crew had switched the load off alternate Substation so they could replace the regulators. The last switching step was to open the regulator bypass switches deenergized. The porcelain standoff insulator broke when the lineman tried the open one of the bypass switches. The weight of the insulator caused the top of the switch to get wedged in place.

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

Do not open or close regulator bypass switches energized.

Possible Corrective Action

Inspect equipment before operation.

Task Performed**Report #20**

OHD Outage

Incident Summary

The crews were investigating/trouble shooting high voltage on the 4160 KVA outside the substation. They decided to bypass the capacitor on the regulator to run it to neutral. In the process they found the motor fuse blown. They then replaced the fuse with the C phase motor fuse and powered it back up internally. When they tried to lower the tap changer to neutral the regulator growled. Then fire shot out of the lid and the fault went phase to phase blowing the A phase 69 KVA fuse. All 3 regulators were replaced and we are waiting on test results to find out what went wrong inside the regulator.

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

N/A

Possible Corrective Action

Fall operating instructions of all equipment.

Task Performed**Report #21**

OHD Outage

Incident Summary

During the evening of a storm restoration, two employees were attempting to close a disconnect switch (1-phase Hubbell model M3C256B) at a three-phase two-way feed pole. Due to the high wind gusts, the employee was unable to close the switches from the ground using a telescopic stick; therefore, the employee had to close the switches from a bucket using a switch stick. The employees were attempting to put one circuit onto another; therefore, one segment was de-energized and they were going to pick up load. Upon closing the last switch, the employee experienced an arc-flash that damaged the switch blade. The resulting molten metal from the blade created minor damage to the windshield of the vehicle. Source was not in non-reclose or hot-line tag operation. Both employees were unharmed.

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

When closing a disconnect switch into load from a bucket, it should be considered to place the first upline device into non-reclose.

Possible Corrective Action

Inspect switch and the switch assembly before operating.

Task Performed
OHD Construction

Report #22

Incident Summary

Two man crew was framing poles and setting off barrels of rock for new overhead line to replace an existing underground line. When digger operator was setting up to unload rock and pick up the pole to frame they did not notice a single phase tap running over the truck. After outriggers were put down, operator removed remote for digger from bin door. Then, they began to boom up to remove rock from bed of truck while re-spacing cones that had been set out. Boom made contact with overhead single phase both phase and neutral, which caused breaker to operate to lockout and both phase and neutral to break and come to the ground.

Safety Equipment in Use - No

Job Briefing Conducted - No

Corrective Action Taken

N/A

Possible Corrective Action

Inspect workzone and truck setup before operation begins. Anytime boom is moved someone must pay strict attention to the travel path.
