



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

Driving

Incident Summary

Crew had returned to the shop when they noticed that the bolts holding the pintle eye on the trailer had both broken which could have allowed the trailer to have come loose from the truck.

Safety Equipment in Use - Yes

Job Briefing Conducted - Yes

Corrective Action Taken

Drivers shall inspect vehicle daily.
Safety chains shall be securely affixed to towed vehicle.

Possible Corrective Action

N/A

Task Performed**Report #2**

OHD Restoration/Repair

Incident Summary

Escort for a trucking company was using an extendo stick to lift the neutral for a high load and pushed the neutral in to the primary causing a line outage.

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

We contacted the escort company and informed them of their need to cease and desist this practice or we would take legal action.

Possible Corrective Action

N/A

Task Performed**Report #3**

URD Construction/Maintenance

Incident Summary

Bolts on the outside of the fiberglass 600 amp feed thru were carrying a capacitive charge due to the fact that the components inside the cabinet were never bonded to the system neutral.

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

Rubber gloves shall be worn lock to lock.

Possible Corrective ActionN/A

Task Performed**Report #4**

ROW Clearing/Maintenance

Incident Summary

Worker was cutting down trees that had fallen on lines. While repositioning, the chainsaw made contact with the workers leg. The workers chaps immediately stopped the chain without injury to the worker.

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

The chain brake shall be engaged anytime the worker takes more than 2 steps.

The worker shall wear chaps while operating a chainsaw.

Reinforce the rules and refocus.

Possible Corrective Action

N/A

Task Performed**Report #5**

Substation Work

Incident Summary

Worker was installing a dusk to dawn light on the substation steel when the tails of the light made contact with top side of the energized cut-out resulting in a large flash.

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

If protective cover-up could not be used then the line should have been de-energized.

Training for all workers on the incident and the proper steps to take in the future.

Possible Corrective ActionN/A

Task Performed**Report #6**

Meter Work

Incident Summary

Worker was doing meter work at a members house. Prior to leaving he did his "Circle of Safety" and noticed a small child hiding behind his truck playing hide-and-seek with his friends.

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

When arriving at the job site place a "Circle of Safety" cone on the hood of the vehicle. Prior to leaving, circle your vehicle and make sure the way is clear before removing your cone and leaving the job site.

Possible Corrective Action

N/A

Task Performed**Report #7**

Office/Facility Incident

Incident Summary

Worker was installing a new propane tank on forklift when propane started shooting out of a damaged fitting.

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

Worker was wearing all required PPE, so they were not injured when the gas shot out of the fitting keeping.

Emphasize the importance of PPE.

Possible Corrective ActionN/A

Task Performed**Report #8**

OHD Construction/Maintenance

Incident Summary

Crew was removing a breaker for service. Breaker was bypassed and the load side jumper was removed. After the source side jumper was removed the conductor broke at the saddle compression and fell onto the neutral and the ground, causing the circuit to lockout at the substation. Everyone was in the clear when the incident occurred.

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

Remove jumpers with a live line tool.

Employees shall be in the clear when working around energized equipment.

Place circuits on one shot or hot line tag when performing this work.

Possible Corrective Action

N/A

Task Performed**Report #9**

Driving

Incident Summary

Employee was driving small bucket truck down the freeway when they noticed a noise. Dust was flying from the vehicle and covered the road. Truck seemed to be a little squirrely and the driver heard noises coming from the rear drivers side. When he stopped for fuel, he noticed missing lug nuts on the driver dual wheel. Some of the studs were broken off. The passenger side duals were missing a couple of lug nuts. After research, this little bucket truck had both sets of dual wheels pulled for servicing the brake liners and seals. The lug nuts had not been torqued, which the manufacturer of the truck requires for this vehicle.

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

Vehicle Inspection before each shift.

We are in the process of doing a service check list so the procedure doesn't get missed.

Possible Corrective Action

N/A

Task Performed**Report #10**

Material Handling/Securing

Incident Summary

Worker found an unshunted capacitor on the back dock. This capacitor had been left on the dock by a contractor.

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

All capacitors should be shunted, any time they are off the line.

We contacted the contractor and explained the need for shunts on capacitors. They said that it was a new apprentice and they would explain the process to him.

Possible Corrective Action

N/A

Task Performed**Report #11**

OHD Construction/Maintenance

Incident Summary

When we were lowering auger down on the boom truck we did not notice the bolt had fell out that holds auger to the motor, when auger released it spun down out of control hitting the ground.

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

Always swing boom to a clear location before releasing auger.

Conduct a thorough inspection of equipment prior to use.

Possible Corrective ActionN/A

Task Performed**Report #12**

Driving

Incident Summary

Hooked trailer with trencher to a truck. When driving down the highway noticed smoke, so pulled over. The trailer had come off of the hitch and the jack had been riding on the pavement causing the smoke.

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

The safety chains were properly connected and did their job making the trailer still controllable. Make sure the trailer latch is properly latched before going anywhere. Discussed incident with all employees to make others aware.

Possible Corrective Action

N/A

Task Performed**Report #13**

OHD Restoration/Repair

Incident Summary

While moving phase to make repairs to damaged porcelain insulator, the insulator on the adjacent structure broke and the phase landed on the cross arm.

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

Make sure to check adjacent structures before starting work. Shared incident with other crews to remind them to check adjacent structures.

Possible Corrective ActionN/A

Task Performed**Report #14**

Office/Facility Incident

Incident Summary

Employee smelled electrical burn odor in vehicle maintenance shop. Found that plug had been partially pulled out from receptacle, causing it to arc. There was considerable damage to the plug and receptacle.

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

New receptacle and cord was installed. Plug was zip-tied at receptacle to prevent it pulling out again.
Properly plug all equipment into electric sockets.
Keep cords out of walkways.

Possible Corrective Action

N/A

Task Performed**Report #15**

Line/Substation Switching

Incident Summary

Line crew was isolating a section of underground line to be worked on. This work was to take place between two underground switches. After creating a loop feed, the crew opened the first URD switch to break the tie. The crew then opened the second switch, which should have killed the line to be worked on. After testing the line for dead, the crew discovered that the A phase blade did not open up and that one phase of this line was still energized. The crew then opened a three phase breaker to de-energize the remaining phase.

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

Always test for dead and ground before working on any line.
Never trust that equipment will always work as designed and always test for potential and ground before going to work.

Possible Corrective Action

N/A