



FEDERATED RURAL ELECTRIC
INSURANCE EXCHANGE

A reciprocal exchange managed by Federated Rural Electric Management Corp.

A Touchstone Energy® Cooperative 

Dear Safety Professional:

September / 2019

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

Meter Work

Incident Summary

Crew was adding a neutral to a Y-Delta 3-wire service so it could be converted over to a 4-wire service. The crew missed grounding the 4-wire neutral and the electrician also missed grounding the meter main and disconnect. The voltage was checked before leaving and checked good. The electrician called back 20 minutes after they left and said he felt a shock when he was trying to add a ground to the meter box. The electrician was not hurt.

Safety Equipment in Use - Yes

Job Briefing Conducted - Yes

Corrective Action Taken

Double check your work.

Possible Corrective Action

Ensure proper connections according to company specifications.

Connect all grounds/neutrals first.

Thoroughly inspect a completed job before energizing.

P.O. Box 15147, Lenexa, KS 66285-5147 ■ 7725 Renner Road, Shawnee, KS 66217-9414

Phone: (800) 356-8360 / (913) 541-0150 ■ Fax: (913) 541-9004 ■ Web site: www.federatedrural.com

Task Performed**Report #2**

Public Liability

Incident Summary

Triplex was tore down by truck cleaning up a back yard. Put triplex back up.

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

Educate customers on the dangers of overhead and downed power lines.

Possible Corrective Action

Public Education.

Line maintenance program, looking at line clearances.

Task Performed**Report #3**

Driving

Incident Summary

Line truck drove thru parking lot with boom still up and hit security light wire and broke it. Also, pulled a pole over some. Pole still standing, but had to be straightened and tamped. Crew quickly put wire back up and straightened pole. No injuries or damage other than a broken wire, but could have probably been worse.

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

Put boom down on line truck before moving.

Possible Corrective Action

Conduct a "Circle of Safety" check on all vehicles before driving.

Task Performed**Report #4**

OHD Construction/Maintenance

Incident Summary

Crew was working on a job to cut an A1 to an A6. Set up job site and conducted job briefing. Crew connected truck grounds to pole ground and began preparing materials. They noticed a thunderstorm approaching and decided to wait until it passed before starting hot work. Crew was working on ground off of the back of the digger truck when lightning hit near by causing arching on the truck. No one was injured.

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

In the future if time and safety permits disconnect truck from system and cab up until storm passes. Crews also have option of barricading vs grounding trucks

Possible Corrective Action

N/A

Task Performed**Report #5**

OHD Construction/Maintenance

Incident Summary

Crimping two hole spades on 500 MCM copper for new service, lineman had hands full so he bite down on the tab for the plastic plug in the two hole spade. Pulled on spade and pulled the cap off his tooth.

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

Use a pair of pliers to pull the plugs on two hole spades.

Possible Corrective Action

Always use the proper tools for the job at hand.

Task Performed**Report #6**

OHD Construction/Maintenance

Incident Summary

This incident happened during rubber glove school at our training facility. The apprentice was working out a C4 with A5. As he was letting down the A5, he rotated the bucket too far and contacted C phase and neutral with the knuckle, blowing the protective fuse. The designated observer attempted to get the worker's attention to stop the incident, but was unsuccessful. No injuries.

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

N/A

Possible Corrective Action

When operating an aerial device, be aware of your surroundings. Look in all direction while moving the boom.

When using a designated observer, have a plan of constant communication.

Task Performed**Report #7**

Meter Work

Incident Summary

Sent to check Demand Response Unit (DRU) that wasn't reporting. The DRU was bad and had to be replaced. While waiting for it to search in, we were going to look and see how it was wired in since it had auto restart. We opened the pivot panel and saw that the DRU had been bypassed by customer. Talked to the customer and they said it must of been done last fall because this well and another well are used for pumping lagoons. We rewired the DRU's into the pump panel so when customer pumps the wells, they will have to mainly turn them back on or auto restart will not work.

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

Customers can not bypass Demand Response Unit (DRU) owned by the PPD.

Possible Corrective Action

Any switches placed abnormal should be noted and tagged.

Task Performed**Report #8**

Public Liability

Incident Summary

Received a call at 11:00am that customer truck tore wire down across road. Arrived at the location and found triplex crossing road and was torn down between transformer and meter pole. Meter loop was also tore down off of meter pole.

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

Educate customers on the dangers of overhead and downed power lines.

Possible Corrective Action

Public Education.

Line maintenance program, looking at line clearances.

Task Performed**Report #9**

Material Handling/Securing

Incident Summary

Boxes of jars were stacked too high and became unstable and fell over.

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

Stacking boxes to only a height of 6 feet.

Possible Corrective Action

When stacking boxes, know the content and weight of each box. Make sure the boxes you stack other boxes on can handle the weight . Keep stacks straight and uniform.

Secure stacked boxes with wrap to keep secure.

Task Performed**Report #10**

Meter Work

Incident Summary

While pulling meter on 60 amp meter base, the guts of the meter base broke apart. No flash.

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

Disconnect at weatherhead before pulling meter.

Maybe use a meter puller?

Possible Corrective Action

Conduct a thorough inspection of meter base before installing or pulling meter. If anything is abnormal, de-energize the service.

If meter is stuck in meter base and will require force, de-energize the service.

Task Performed**Report #11**

Material Handling/Securing

Incident Summary

While unloading a transformer off of the flatbed with the trencher, picked up transformer with the bucket. Drove the trencher forward and the blade of the trencher hit the side box of the flatbed.

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

Have another employee watch while moving equipment.

Possible Corrective Action

Use a spotter while loading or unloading materials with a piece of equipment.

Task Performed**Report #12**

Public Liability

Incident Summary

Customer was digging dirt and hit primary underground.

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

Continue to educate the public on digging safety.

Possible Corrective Action

Have above ground markings on primary underground and/or install marking tape in trench before filling in.

Task Performed**Report #13**

Substation Work

Incident Summary

Snake got on a lightning arrestor in substation and blew one high side fuse. Crew arrived on-site and after speaking with G&T they opened the high side disconnect switch. The switch arched over to the steel structure.

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

Crew should have opened feeder breakers to drop load before opening switch.

Possible Corrective Action

Need to have written procedures/checklist for switching in a substation.

Task Performed**Report #14**

OHD Restoration/Repair

Incident Summary

Employee was on a trouble call that involved a customer running into a guy wire and breaking an A-2. Employee was parked on the inside of the angle with the pole leaning away from the bucket truck and the guy wire slacked. Employee cut the guy wire causing the pole to fall onto the bucket truck. Line was de-energized and grounded.

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

Slow down, don't get in a rush, stop and think about proper vehicle positioning.

Possible Corrective Action

Conduct a Job Briefing.

Conduct a thorough examination of the scene to determine all hazards. Before beginning any work, make sure all employees, vehicles and equipment are in a safe spot.
