

## **Northwest Iowa Power Cooperative OUTAGE REPORT**

**Date of Outage:** 2/28/25      Start Time: 18:37      End Time 21:55

**Line Section:** J2 to MEC Meriden

**Weather Conditions:** 39 degrees, RH 59%, Wind WNW @ 4

**Operator on Duty:** Tyler

**NIPCO Personnel Involved:** Tom B, Chris L, BJ

**Other Personnel Involved:** MEC Brian, Paullina  
Municipal Kelly, ILEC Jason

**Cause of Outage:** Equipment failure

**Subs and/or Municipals Involved:**

Afton, Larrabee, Paullina Municipal,  
MEC Sutherland

**Total Outage:**

Afton 9 min 31 sec

Larrabee 1 hr 18 min 4 sec

MEC Sutherland 1 hr 29

min 43 sec

Paullina Municipal 3 hr 18

min 28 sec

The NIPCO operator received alarms from J2 and MEC Meriden stations at 18:37 on 2/28/25. J2 breaker 22 relayed twice then open with MEC Meriden FMR 602 relaying once then open. This would have started an outage to MEC Sutherland, Paullina Municipal, Larrabee and Afton substations. 18:38 switch 1 at K423 was opened by supervisory control and breaker 22 was tried to close but relayed open. 18:41 switch 1 at K423 was closed with switch 1 at K422 opened by supervisory control. Breaker 22 was then closed but relayed open. 18:46 MEC Meriden FMR 602 was closed to end the 9 minute 31 second outage to Afton sub. 19:50 Tom Berkenpas reported the problem is on the Paullina Municipal tap. 19:53 switch 2 at K422 was opened and switch 1 at K422 was closed by supervisory control. This would have ended the 1 hour 18 minute 4 second outage to Larrabee sub. 20:05 switch 3 at K411 was opened by NIPCO crews. 20:06 breaker 22 was closed to end the 1 hour 29 minute 43 second outage to MEC Sutherland. 20:12 switch 2 at K422 was closed to return the J2 to MEC Meriden 69kV line to normal. 21:55 switch 3 at K411 was closed to re-energize Paullina Municipal and end the 3-hour 18 minute 28 second outage. The cause of these outages was an equipment failure of an insulator and conductor dropping free of the structure and contacting the pole ground. NIPCO crews worked under DLC 25-207 to make repairs and return this structure to Paullina Municipal.