

2024 AGENDA ITEM

Utility Commission Meeting Date: 8/15/2024

ITEM: July 13, 2024 Outage – W1017 CTH K Blown Fuse

DETAILED DESCRIPTION OF SUBJECT MATTER:

On July 13th an outage occurred at 8:37PM on CTH K when lightning/weather event caused a fuse to blow. Power was restored at 9:30PM by Columbus Utilities Linemen. Only one customer was affected, and the outage lasted 60 minutes.

LIST ALL SUPPORTING DOCUMENTATION ATTACHED:

1. See Attached Columbus Water & Light Customer Outage Report.

ACTION REQUESTED OF COMMISSION:

1. Review Outage Report.

COLUMBUS WATER & LIGHT CUSTOMER OUTAGE REPORT

SUBSTATION 1 CIRCUIT # 103 DATE 7/13/2024
 LOCATION OF FUSE OR RECLOSER 6B/87138
 CUSTOMER NAME OR LOCATION Dave Roelke w/17 County R D K
 REMARKS Blown Fuse from weather / lightning

PART THAT FAILED

- 0 None
- 1 Numerous
- 2 Other-note in remarks
- 3 Transmission equipment
- 4 Substation equipment
- O.H. DISTRIBUTION

- 10 Anchor or guy
- 11 Arrester
- 12 Conductor - Primary
- 13 " - Secondary
- 14 Connector
- 21 Insulator
- 24 Metering equipment
- 25 Pole
- 26 Recloser
- 27 Riser or Jumper
- 28 Splice
- 29 Switch - GOAB
- 30 " - Disc.
- 31 Cutout - Fused
- 32 Transformer - Line
- 33 Transformer - Potential
- U.G. DISTRIBUTION

- 50 Arrester
- 51 Conductor - Primary
- 52 " - Secondary
- 53 Connector - Bolted
- 54 " - Comp.
- 55 " - Elbow
- 56 " - Splice
- 59 Terminator
- 60 Transformer - Pad Mount
- 61 Transformer - Bayonet Fuse
- 62 Metering Equipment

WEATHER

- 1 Normal
- 2 Wind
- 3 Thunderstorm
- 4 Rain
- 5 Rain and wind
- 6 Fog
- 7 Ice
- 8 Ice and wind
- 9 Snow
- 10 Extreme cold
- 11 Extreme heat
- 12 Extreme storm

CAUSE

- 0 Unknown
- 1 Loss of supply
- 2 Operating error
- 3 Circuit overload
- 4 Mis-coordination
- 5 Faulty installation
- 6 Lightning
- 7 Wind
- 8 Ice
- 9 Cold weather
- 10 Hot Weather
- 11 Moisture
- 12 Contamination
- 13 Fire
- 14 Extreme storm

FOREIGN OBJECTS

- 20 Vehicles
- 22 Trees - tore down
- 23 Trees - shorted
- 24 Animals
- 25 Birds
- 26 Underground dig in
- 27 Vandalism
- 28 Other

EQUIPMENT

- 30 Manufacturing defect
- 31 Equipment overload
- 32 Electrical failure
- 33 Worn out

(use 24 hour time)

TIME OFF 8:37 PM ON 9:30 PM

Number of Calls 1

Number of
Customers

Minutes
Duration

1

60

TRANSFORMER FAILURE

CWL# _____ KVA _____

MFG _____ AGE (est) _____

Serial # _____

Arrester ON / OFF Tank (circle one)

ARRESTOR FAILURE

MFR _____ Porc Polymer
 Riser Line Transformer
 (circle all that apply)

DEVICE THAT OPENED

Distribution
Main Feeder

Breaker _____ Counter _____

Targets _____

Branch Line

O.C.R. _____ Size _____

Fuse 300A Size _____

Transformer

Fuse 300A Transf. Size _____

ROUTING (initial)

Responded By MM

Line Assisted By JFT

Assisted By _____

Manager _____

Outage File _____

2024 AGENDA ITEM

Utility Commission Meeting Date: 8/15/2024

ITEM: August 6, 2024 Outage – E. Prairie & S. Water St.

DETAILED DESCRIPTION OF SUBJECT MATTER:

On August 6, 2024 at 1:11AM wind from a thunderstorm caused a tree to fall on the power lines causing an outage. 74 customers were without power for a duration of 259 minutes, power was restored at 5:30AM.

LIST ALL SUPPORTING DOCUMENTATION ATTACHED:

1. See Attached Columbus Water & Light Customer Outage Report.

ACTION REQUESTED OF COMMISSION:

1. Review Outage Report.

COLUMBUS WATER & LIGHT CUSTOMER OUTAGE REPORT

SUBSTATION 1 CIRCUIT # 103 DATE 8/6/2024
 LOCATION OF FUSE OR RECLOSER Prarie St 3 water
 CUSTOMER NAME OR LOCATION 48708166
 REMARKS Storm Blew a tree down and broke power lines and
hung in the secondary wires

PART THAT FAILED

- 0 None
- 1 Numerous
- 2 Other-note in remarks
- 3 Transmission equipment
- 4 Substation equipment
- O.H. DISTRIBUTION
- 10 Anchor or guy
- 11 Arrestor
- 12 Conductor – Primary
- 13 “ – Secondary
- 14 Connector
- 21 Insulator
- 24 Metering equipment
- 25 Pole
- 26 Recloser
- 27 Riser or Jumper
- 28 Splice
- 29 Switch - GOAB
- 30 “ - Disc.
- 31 Cutout - Fused
- 32 Transformer – Line
- 33 Transformer – Potential
- U.G. DISTRIBUTION
- 50 Arrestor
- 51 Conductor – Primary
- 52 “ – Secondary
- 53 Connector – Bolted
- 54 “ – Comp.
- 55 “ – Elbow
- 56 “ – Splice
- 59 Terminator
- 60 Transformer – Pad Mount
- 61 Transformer – Bayonet Fuse
- 62 Metering Equipment

WEATHER

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- 3 Thunderstorm
- 4 Rain
- 5 Rain and wind
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- 7 Ice
- 8 Ice and wind
- 9 Snow
- 10 Extreme cold
- 11 Extreme heat
- 12 Extreme storm

CAUSE

- 0 Unknown
- 1 Loss of supply
- 2 Operating error
- 3 Circuit overload
- 4 Mis-coordination
- 5 Faulty installation
- 6 Lightning
- 7 Wind
- 8 Ice
- 9 Cold weather
- 10 Hot Weather
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- 13 Fire
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FOREIGN OBJECTS

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- 26 Underground dig in
- 27 Vandalism
- 28 Other

EQUIPMENT

- 30 Manufacturing defect
- 31 Equipment overload
- 32 Electrical failure
- 33 Worn out

(use 24 hour time)

TIME OFF 1:11 ON 5:30

Number of Calls 1

Number of Customers Minutes Duration

74 259 min

TRANSFORMER FAILURE

CWL# _____ KVA _____
 MFG _____ AGE (est) _____
 Serial # _____
 Arrestor ON / OFF Tank (circle one)

ARRESTOR FAILURE

MFR _____ Porc Polymer
 Riser Line Transformer
 (circle all that apply)

DEVICE THAT OPENED

Distribution
Main Feeder

Breaker _____ Counter _____
 Targets _____

Branch Line

O.C.R. _____ Size _____
 Fuse X Size _____

Transformer

Fuse _____ Transf. Size _____

ROUTING (initial)

Responded By Dalton
 Line Assisted By Jeff Mason Jake
 Assisted By _____
 Manager _____
 Outage File _____