2024 AGENDA ITEM

Utility Commission Meeting Date: 8/15/2024

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

DETAILED DESCRITPTION 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.

62 v. COLUMBUS WATER & LIGHT CUSTOMER OUTAGE REPORT CIRCUIT # 103 DATE 7 1131 2024 SUBSTATION / LOCATION OF FUSE OR RECLOSER 6 B/g7/38 CUSTOMER NAME OR LOCATION Dave Rockke County RPK W/0/7 REMARKS & Blown Rise from weather / lightning CAUSE TRANSFORMER FAILURE PART THAT FAILED 0 Unknown CWL#_____ KVA____ 0 None 1 Loss of supply 1 Numerous 2 Operating error 2 Other-note in remarks 3 Circuit overload 3 Transmission equipment 4 Mis-coordination 4 Substation equipment 5 Faulty installation **O.H. DISTRIBUTION** 6 Lightning 10 Anchor or guy 7 Wind e) 11 Arrester 8 Ice 12 Conductor – Primary 9 Cold weather 13 cc - Secondary 10 Hot Weather 14 Connector 11 Moisture 21 Insulator 12 Contamination 24 Metering equipment 13 Fire 25 Pole 14 Extreme storm 26 Recloser 27 Riser or Jumper FOREIGN OBJE 28 Splice 20 Vehicles 29 Switch - GOAB 22 Trees – tore down 30 " - Disc. 23 Trees - shorted 31 Cutout - Fused 24 Animals 32 Transformer - Line 25 Birds 33 Transformer - Potential 26 Underground dig in **U.G. DISTRIBUTION** 27 Vandalism 50 Arrester 28 Other 51 Conductor - Primary 52 cc - Secondary EQUIPMENT 53 Connector - Bolted 30 Manufacturing defect 54 - Comp. 31 Equipment overload ¢¢ 55 - Elbow 32 Electrical failure cc 56 - Splice 33 Worn out 59 Terminator 60 Transformer – Pad Mount (use 24 hour tim 61 Transformer – Bayonet Fuse TIME OFF 8:37 ON 62 Metering Equipment

Number of Calls 1

Number of

Customers

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

| | MFG | AGE (est) | |
|-------------|---|-------------------|--|
| | Serial # | | |
| | Arrester ON / OF | F Tank (circle on | |
| | ARRESTO | RFAILURE | |
| | MFR Riser Line (circle all | | |
| <u>ECTS</u> | DEVICE THAT OPENED Distribution Main Feeder | | |
| | Breaker | Counter | |
| | Targets | | |
| | Branch Line O.C.R. Size Fuse Size | | |
| T | FuseSize | | |
| | Fuse <u>Barro</u> Transf. Size | | |
| | <u>ROUTING (initial)</u> | | |
| ne) | Responded By | MM | |
| <u>9:30</u> | Line Assisted By | JH | |
| Pric | Assisted By | | |
| Minutes | Manager | | |
| Duration | Outage File | | |
| | | | |
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2024 AGENDA ITEM

Utility Commission Meeting Date: 8/15/2024

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

DETAILED DESCRITPTION 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.

| COLUMB SUBSTATION / | US WATER & LIGHT CUSTOMER CIRCUIT # /03 | OUTAGE REPORT | | |
|---|--|---------------------------------------|--|--|
| SUBSTATION _/ CIRCUIT # 103 DATE 8 \6 \2024 LOCATION OF FUSE OR RECLOSER F Prance Strate | | | | |
| | | | | |
| REMARKS, STATE, B | lew atree down and tro day wires | | | |
| Church The Same | and and down and the | the power loges and | | |
| 1 the gin m stor | aling Wires | | | |
| | CALISE | | | |
| PART THAT FAILED | 0 Unknown | TRANSFORMER FAILURE | | |
| 0 None | 1 Loss of supply | | | |
| 1 Numerous | 2 Operating error | CWL# KVA | | |
| 2 Other-note in remarks | 3 Circuit overload | MEC | | |
| 3 Transmission equipment | 4 Mis-coordination | MFG AGE (est) | | |
| 4 Substation equipment | 5 Faulty installation | Seriel # | | |
| O.H. DISTRIBUTION | 6 Lightning | Serial # | | |
| 10 Anchor or guy | (7 Wind) | Arrester ON / OFF Tank (circle one) | | |
| 11 Arrester | 8 Ice | Allester ON / OFF Tank (circle one) | | |
| 12)Conductor – Primary | 9 Cold weather | ARRESTOR FAILURE | | |
| 13 " - Secondary | 10 Hot Weather | ARRESTORFAILURE | | |
| 14 Connector | 11 Moisture | MFR Porc Polymer | | |
| 21 Insulator | 12 Contamination | Riser Line Transformer | | |
| 24 Metering equipment | 13 Fire | (circle all that apply) | | |
| 25 Pole | 14 Extreme storm | (encie an mat appry) | | |
| 26 Recloser | | DEVICE THAT OPENED | | |
| 27 Riser or Jumper | FOREIGN OBJECTS | Distribution | | |
| 28 Splice | 20 Vehicles | Main Feeder | | |
| 29 Switch - GOAB | 22 Trees – tore down | | | |
| 30 " - Disc. | 23 Trees – shorted | Breaker Counter | | |
| 31 Cutout - Fused | 24 Animals | | | |
| 32 Transformer – Line | 25 Birds | Targets | | |
| 33 Transformer – Potential | 26 Underground dig in | | | |
| <u>U.G. DISTRIBUTION</u> 50 Arrester | 27 Vandalism | Branch Line | | |
| 51 Conductor – Primary | 28 Other | Branch Line O.C.R. Size Fuse Size | | |
| 52 " - Secondary | | Fuse Size | | |
| 53 Connector – Bolted | EQUIPMENT | | | |
| 54 " - Comp. | 30 Manufacturing defect | Transformer | | |
| 55 " - Elbow | 31 Equipment overload | Fuse Transf. Size | | |
| 56 " - Splice | 32 Electrical failure | | | |
| 59 Terminator | 33 Worn out | ROUTING (initial) | | |
| 60 Transformer – Pad Mount | | | | |
| 61 Transformer – Bayonet Fuse | (use 24 hour time) | Responded By Datton | | |
| 62 Metering Equipment | TIME OFF <u>[:]]</u> ON <u>5:30</u> | Line Assisted By Jeff Mason Jake | | |
| | 11111E OFF 1.11 ON 0.00 | Line Assisted By Jeff Maden Oure | | |
| WEATHER | Number of Calls <u>1</u> | | | |
| 1.Normal | Number of Calls 1 | Assisted By | | |
| 2 Wind | Number of Minutes | 26 | | |
| 3 Thunderstorm | | Manager | | |
| (4 Rain | | Outage File | | |
| 5 Rain and wind | 74 #259 Mil | Outage Flie | | |
| 6 Fog | | | | |
| 7 Ice | | | | |
| 8 Ice and wind | | | | |
| 9 Snow | | | | |
| 10 Extreme cold | | | | |
| 11 Extreme heat | | | | |
| 12 Extreme storm | | | | |

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