

Form No. 6102 Rev. 7/10

Subject: Akeley 544 outage

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: AKY-544

Date Out: 2/14/2020

Date In: 2/14/2020

Time Out: 1520

Time In: 1632

Duration: 72

Number of Customers Affected: 643 (between 3 feeders)

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Nevis

Major Customers:

Cause: Failed insulator locked feeder out for 72 mins.

Follow-Up: N/a damage was repaired at time of restoration.

Form No. 6102 Rev. 7/10

Subject: Tower Soudan

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: TWN-2

Date Out: 2/22/2020

Date In: 2/22/2020

Time Out: 1804

Time In: 1916

Duration: 72

Number of Customers Affected: 514

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Tower, West of Tower Rural, south shore of Lake Vermillion

Major Customers: City of Tower, various businesses

Cause: Section of Parent Feeder taken out of power to change out a broken insulator that was affecting the power quality for customers on one of the phases.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Cloquet 410

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: CLQ-410

Date Out: 2/28/2020

Date In: 2/28/2020

Time Out: 1044

Time In: 1158

Duration: 74

Number of Customers Affected: 862

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Cloquet, Scanlon

Major Customers: City of Cloquet, WLSSD

Cause: Squirrel was found in substation.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Cloquet 406

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: CLQ-406

Date Out: 2/28/2020

Date In: 2/28/2020

Time Out: 1044

Time In: 1206

Duration: 82

Number of Customers Affected: 3240

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Cloquet, and south of Cloquet

Major Customers: City of Cloquet, DMV Cloquet, various businesses.

Cause: Squirrel was found in substation.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Tower Soudan

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: BBT-1

Date Out: 5/4/2020

Date In: 5/4/2020

Time Out: 1509

Time In: 2141

Duration: 392

Number of Customers Affected: 737

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
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Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Babbitt

Major Customers: City of Babbitt, businesses in the city of Babbitt, Library.

Cause: This feeder is on a radial from its parent, a member of the public broke a pole on the parent feeder with a logging skidder. Causing the power to be out till this pole could be replaced.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Little Falls West 1

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: LFW-1

Date Out: 5/14/2020

Date In: 5/14/2020

Time Out: 0154

Time In: 0348

Duration: 114 minutes

Number of Customers Affected: 657

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Little Falls

Major Customers: City of Little Falls

Cause: Parent feeder had a insulator fail causing a pole fire that locked out the parent feeder. Crew were able to switch to isolate the damage

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Little Falls West 2

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: LFW-2

Date Out: 5/14/2020

Date In: 5/14/2020

Time Out: 0154

Time In: 0348

Duration: 114 minutes

Number of Customers Affected: 695

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Little Falls

Major Customers: City of Little Falls

Cause: Parent feeder had a insulator fail causing a pole fire that locked out the parent feeder. Crew were able to switch to isolate the damage

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Little Falls Stepdown 1

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: NTH-1

Date Out: 5/14/2020

Date In: 5/14/2020

Time Out: 0154

Time In: 0348

Duration: 114 minutes

Number of Customers Affected: 609

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Little Falls

Major Customers: City of Little Falls

Cause: Parent feeder had a insulator fail causing a pole fire that locked out the parent feeder. Crew were able to switch to isolate the damage

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Hackensack 1

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: HCS-1

Date Out: 6/9/2020

Date In: 6/9/2020

Time Out: 0201

Time In: 0339

Duration: 98

Number of Customers Affected: 720

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Hackensack, and surrounding area

Major Customers: City of Hackensack

Cause: This feeder was out of power due to damage from weather on the parent feeder. Crews switched around the damage to restore power.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Chisholm 1

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: CHL-1

Date Out: 6/10/11

Date In: 6/10/11

Time Out: 0349

Time In: 0641

Duration: 172

Number of Customers Affected: 1017

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Chisholm

Major Customers: City of Chisholm

Cause: Parent feeder substation lost power due to misoperation of one of the feeder breakers as well as weather breaking some equipment in the substation causing the substation bus to lock out. The original fault was from weather on the feeder.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Chisholm 2

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: CHL-2

Date Out: 6/10/11

Date In: 6/10/11

Time Out: 0349

Time In: 0641

Duration: 172

Number of Customers Affected: 593

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Chisholm

Major Customers: City of Chisholm

Cause: Parent feeder substation lost power due to misoperation of one of the feeder breakers as well as weather breaking some equipment in the substation causing the substation bus to lock out. The original fault was from weather on the feeder.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Chisholm 3

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: CHL-3

Date Out: 6/10/11

Date In:

6/10/11

Time Out: 0349

Time In:

0641

Duration: 172

Number of Customers Affected: 998

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Chisholm

Major Customers: City of Chisholm

Cause: Parent feeder substation lost power due to misoperation of one of the feeder breakers as well as weather breaking some equipment in the substation causing the substation bus to lock out. The original fault was from weather on the feeder.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Chisholm 1

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: CHL-1

Date Out: 6/29/20

Date In: 6/29/20

Time Out: 0940

Time In: 1106

Duration: 86

Number of Customers Affected: 1017

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Chisholm

Major Customers: City of Chisholm

Cause: Parent feeder lost power to weather/lightning and substation breaker did not reclose. Customers were restored through alternate feeder.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Chisholm 2

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: CHL-2

Date Out: 6/29/2020

Date In: 6/29/2020

Time Out: 0940

Time In: 1106

Duration: 86

Number of Customers Affected: 593

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Chisholm

Major Customers: City of Chisholm

Cause: Parent feeder lost power to weather/lightning and substation breaker did not reclose. Customers were restored through alternate feeder.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Chisholm 3

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: CHL-3

Date Out: 6/29/2020

Date In: 6/29/2020

Time Out: 0940

Time In: 1106

Duration: 86

Number of Customers Affected: 998

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Chisholm

Major Customers: City of Chisholm

Cause: Parent feeder lost power to weather/lightning and substation breaker did not reclose. Customers were restored through alternate feeder.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Tower 2

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: TWN-2

Date Out: 7/6/2020

Date In: 7/6/2020

Time Out: 1530

Time In: 1919

Duration: 229

Number of Customers Affected: 510

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Tower

Major Customers: City of Tower and area businesses

Cause: A lightning strike and substantial winds caused a couple of large trees to fall through the lines on the feeder. Crews had to splice wire, put wire back up, as well as replace some equipment from the damage.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Feeder Lockout GLL-1

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: GLL-1--Updated

Date Out: 7/8/2020

Date In: 7/8/2020

Time Out: 6:22 AM

Time In: 7:29 AM

Duration: 67 minutes

Number of Customers Affected: 1115

For information about this alert, contact:

Brian Clement

218-996-1817

bclement@mnpower.com

For follow-up information or questions, contact: Brian Clement

Communities Affected: West Crow Wing, Lake Edward, Nisswa

Major Customers:

Cause: Tree branch across all 3 phases

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Feeder Lockout LFL-526

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: LFL-526--Updated

Date Out: 07/08/2020

Date In: 07/08/2020

Time Out: 6:34 AM

Time In: 7:44 AM

Duration: 69 minutes

Number of Customers Affected: 1007

For information about this alert, contact:

Brian Clement

218-996-1817

bclement@mnpower.com

For follow-up information or questions, contact: Brian Clement

Communities Affected: Little Falls, Pierz, Genola, Agram

Major Customers: City of Pierz

Cause: Tree on the line due to weather.

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Feeder Lockout BLS-509

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: BLS-509--Updated

Date Out: 7/9/2020

Date In: 7/9/2020

Time Out: 2:48 AM

Time In: 5:19 AM

Duration: 151 minutes

Number of Customers Affected: 1300

For information about this alert, contact:

Brian Clement

218-996-1817

bclement@mnpower.com

For follow-up information or questions, contact: Brian Clement

Communities Affected: Birch Lake, Hiram

Major Customers:

Cause: Tree top broke off in storm, caused 3 phase fault, and broke crossarm

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Birch Lake Sub 516

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: BLS-516

Date Out: 7/9/2020

Date In: 7/9/2020

Time Out: 0138

Time In: 0425

Duration: 167

Number of Customers Affected: 698

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Backus

Major Customers: City of Backus

Cause: Weather

Follow-Up: N/a

Form No. 6102 Rev. 7/10

Subject: Feeder Lockout CLQ-409

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: CLQ-409

Date Out: 7/9/2020

Date In: 7/9/2020

Time Out: 3:41 AM

Time In: 4:54 AM

Duration: 73 minutes

Number of Customers Affected: 1786

For information about this alert, contact:

Brian Clement

218-996-1817

bclement@mnpower.com

For follow-up information or questions, contact: Brian Clement

Communities Affected: Cloquet, Brevator, Perch Lake, Stoney Brook

Major Customers:

Cause: Tree fell down during storm and landed on three phase trunk of the feeder

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Backus

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: BAC-1

Date Out: 7/17/2020

Date In: 7/18/2020

Time Out: 2317

Time In: 0348

Duration: 271

Number of Customers Affected: 603

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Backus and surrounding area

Major Customers: City of Backus

Cause: Parent feeder had damage sustained due to the storm that rolled through Minnesota Power service territory. Crews had to repair the damage before power could be restored.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Park Rapids Distribution 1

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: PKD-1

Date Out: 7/17/2020

Date In: 7/17/2020

Time Out: 2036

Time In: 2220

Duration: 104

Number of Customers Affected: 528

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Park Rapids

Major Customers: City of Park Rapids

Cause: Parent feeder had a tree get blown into the three phase just east of town. Crews switched around to restore park rapids, before they removed the tree and repaired the damage.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Backus

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: BAC-1

Date Out: 7/21/2020

Date In: 7/21/2020

Time Out: 0121

Time In: 0332

Duration: 131

Number of Customers Affected: 603

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Backus

Major Customers: City of Backus and surrounding area

Cause: This feeder is on a radial from its parent, an arrester failed causing the parent feeder to lock out. Crews switched around fault to restore customers before repairing.

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Colbyville

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: COL-241

Date Out:	7/25/2020	Date In:	7/25/2020
Time Out:	1526	Time In:	1907

Duration: 221 minutes

Number of Customers Affected: 1857

For information about this alert, contact:

For follow-up information or questions, contact:	Brian Schminski Reliability Engineer Minnesota Power bschminski@mnpower.com 218-355-2042
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Communities Affected: Duluth Lake side

Major Customers: City of Duluth

Cause: Tree fell into feeders tangling several phases together.

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Colbyville

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: COL-242

Date Out: 7/25/2020

Date In: 7/25/2020

Time Out: 1526

Time In: 1907

Duration: 221 minutes

Number of Customers Affected: 1857

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Duluth Lake side

Major Customers: City of Duluth

Cause: Tree fell into feeders tangling several phases together.

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Colbyville

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: COL-244

Date Out: 7/25/2020

Date In: 7/25/2020

Time Out: 1526

Time In: 1908

Duration: 222 minutes

Number of Customers Affected: 1857

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Duluth Lake side

Major Customers: City of Duluth

Cause: Tree fell into feeders tangling several phases together.

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: International Falls 3

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: INF-3

Date Out: 8/6/2020

Date In: 8/7/2020

Time Out: 2355

Time In: 0103

Duration: 68

Number of Customers Affected: 1063

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of International Falls

Major Customers: City of International Falls

Cause: Substation Equipment failure caused fire.

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: International Falls 4

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: INF-4

Date Out: 8/6/2020

Date In: 8/7/2020

Time Out: 2355

Time In: 0109

Duration: 74

Number of Customers Affected: 1280

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of International Falls

Major Customers: City of International Falls

Cause: Substation Equipment failure caused fire.

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Canosia 413

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: CNA-413

Date Out: 8/7/2020

Date In: 8/8/2020

Time Out: 2357

Time In: 0124

Duration: 87

Number of Customers Affected: 1482

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: West of Proctor, Rural Duluth

Major Customers: Various small businesses

Cause: Tree from outside of our Right of Way fell into the lines. Issues was sectionalized, fixed and restored.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Akeley 544

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: AKY-544

Date Out: 8/8/2020

Date In: 8/8/2020

Time Out: 1331

Time In: 1526

Duration: 115

Number of Customers Affected: 643 between 3 feeders

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
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218-355-2042

Communities Affected: Nevis and Dorset

Major Customers: City of Nevis

Cause: Weather

Follow-Up: N/a

Form No. 6102 Rev. 7/10

Subject: Denham 6431

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: DEN-6431

Date Out: 8/9/2020

Date In: 8/9/2020

Time Out: 1229

Time In: 1404

Duration: 95

Number of Customers Affected: 1254

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Denham, City of Willow River, City of Sturgeon Lake

Major Customers: City of Denham, City of Willow River, City of Sturgeon Lake.

Cause: Older OCR had bushing fail causing feeder to lock out.

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Denham 6431

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: DEN-6431

Date Out: 8/13/2020

Date In: 8/13/2020

Time Out: 1048

Time In: 1732

Duration: 404

Number of Customers Affected: 1254

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Cities of Denham, Willow River, Sturgeon Lake

Major Customers: Cities of Denham, Willow River, Sturgeon Lake

Cause: This feeder is radial and there was a fire inside the substation. This fire caused damage to the main feeder breaker. Locking out the feeder. Customers were out until new substation equipment could be installed.

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Nashwauk

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: NAS-319--updated

Date Out: 8/14/2020

Date In: 8/14/2020

Time Out: 1652

Time In: 1752

Duration: 60

Number of Customers Affected: 1669

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Cities of Calumet, Marble, Taconite, Coleraine, Bovey

Major Customers: Cities of Calumet, Marble, Taconite, Coleraine, Bovey

Cause: Weather caused several trees to fall into the lines in a couple location.

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Moorhead Rd 451

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: MHR-451

Date Out: 8/14/2020

Date In: 8/14/2020

Time Out: 1959

Time In: 0006

Duration: 174

Number of Customers Affected: 550

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: South of Cloquet

Major Customers: City of Cloquet, Fond Du Lac Community College

Cause: Tree fell due to weather through parent feeder.

Follow-Up: N/a Broken wire was repaired before restoration could occur.

Form No. 6102 Rev. 7/10

Subject: Sandstone 452

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: SAN-452

Date Out: 8/21/2020

Date In:

8/21/2020

Time Out: 1224

Time In:

1327

Duration: 63

Number of Customers Affected: 1239

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: City of Sandstone and surrounding area

Major Customers: City of Sandstone, U.S. DoJ Sandstone correctional Facility, Pine County Facilities, various small businesses.

Cause: Boom truck snagged secondaries breaking pole. This caused the primary line to sag, then another Semi snagged the now sagged line breaking off several poles on a double circuit stretch. Crews isolated the damage and restored a majority of the feeder.

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Wrenshall 411

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: WRN-411

Date Out: 9/2/2020

Date In: 9/3/2020

Time Out: 2336

Time In: 0056

Duration: 80

Number of Customers Affected: 1251

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Wrenshall surrounding rural area, Chub Lake area, Hay Lake area

Major Customers: Various businesses

Cause: Tree fell into lines due to weather.

Follow-Up: N/a Tree was removed and no damage was found.

Form No. 6102 Rev. 7/10

Subject: Tower Soudan 2

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: TWN-2

Date Out: 9/12/2020

Date In: 9/12/2020

Time Out: 1038

Time In: 1146

Duration: 68

Number of Customers Affected: 617

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Tower

Major Customers: City of Tower, various businesses

Cause: Tree fell into lines from outside right of way on parent feeder breaking cross arm.

Follow-Up: N/a

Form No. 6102 Rev. 7/10

Subject: Nisswa Pumping Station 1

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: NPS-1

Date Out: 9/26/2020

Date In: 9/26/2020

Time Out: 1338

Time In: 1542

Duration: 124

Number of Customers Affected: 607

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: North of Nisswa Rural, around several different lakes

Major Customers: Various businesses

Cause: Tree fell into parent feeder lines due to weather.

Follow-Up: N/a Tree was removed.

Form No. 6102 Rev. 7/10

Subject: Moorhead Rd 451

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: MHR-451

Date Out: 10/8/2020

Date In: 10/8/2020

Time Out: 1054

Time In: 1213

Duration: 79

Number of Customers Affected: 550

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Community south of cloquet

Major Customers: Fond Du Lac Community College, Various businesses

Cause: Truck tore down several spans of primary parent feeder circuit.

Follow-Up: Crews isolated damage and restored feeder. All damage has been fixed.

Form No. 6102 Rev. 7/10

Subject: Thompson 412

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: TMS-412

Date Out: 10/8/2020

Date In: 10/8/2020

Time Out: 1054

Time In: 1155

Duration: 61

Number of Customers Affected: 571

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Carlton and surrounding area.

Major Customers: Various businesses

Cause: Truck tore down several spans of primary circuit.

Follow-Up: Crews isolated damage and restored feeder. All damage has been fixed.

Form No. 6102 Rev. 7/10

Subject: Aurora 1

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: AUR-1

Date Out: 10/24/2020

Date In: 10/25/2020

Time Out: 1559

Time In: 0527

Duration: 808

Number of Customers Affected: 504

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Aurora

Major Customers: City of Aurora, and various businesses

Cause: Tree fell into lines due to weather tearing down wire.

Follow-Up: N/a Tree was removed and damage was repaired.

Form No. 6102 Rev. 7/10

Subject: Aurora 2

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: AUR-2

Date Out:	10/24/2020	Date In:	10/25/2020
Time Out:	1559	Time In:	0527

Duration: 808

Number of Customers Affected: 724

For information about this alert, contact:

For follow-up information or questions, contact:	Brian Schminski Reliability Engineer Minnesota Power bschminski@mnpower.com 218-355-2042
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Communities Affected: Aurora

Major Customers: City of Aurora, and various businesses

Cause: Tree fell into lines due to weather tearing down wire.

Follow-Up: N/a Tree was removed and damage was repaired.

Form No. 6102 Rev. 7/10

Subject: Scanlon H.E. 420

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: SCH-420

Date Out: 10/30/2020

Date In: 10/30/2020

Time Out: 0547

Time In: 0657

Duration: 70

Number of Customers Affected: 940 between 3 feeders

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: South of Cloquet and south side of Big Lake

Major Customers: Fond Du Lac Reservation/Community College and various business

Cause: Substation equipment failure

Follow-Up: N/a

Form No. 6102 Rev. 7/10

Subject: Little Falls West 2

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: LFW-2

Date Out: 10/31/2020

Date In: 11/1/2020

Time Out: 2324

Time In: 0025

Duration: 61

Number of Customers Affected: 695

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Part of the city of Little Falls, also west of town.

Major Customers: Various businesses

Cause: Broken Pole causing primary line to fall onto ground

Follow-Up: N/a Broken pole was replaced and line was put back into the air.

Form No. 6102 Rev. 7/10

Subject: Backus 2

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: BAC-1

Date Out:	11/9/2020	Date In:	11/9/2020
Time Out:	0700	Time In:	0809

Duration: 69

Number of Customers Affected: 698

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Backus and surrounding area

Major Customers: Various businesses

Cause: Broken insulator on parent feeder.

Follow-Up: N/a, broken insulator was isolated, customers were restored and then the insulator was replaced.

Form No. 6102 Rev. 7/10

Subject: Deerwood

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: DER-2

Date Out: 11/22/2020
Time Out: 0814Date In: 11/22/2020
Time In: 1124

Duration: 190

Number of Customers Affected: 683

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: West side of Deerwood along east end of Serpent Lake to the north of the lake.

Major Customers: Various Businesses

Cause: Failed equipment in substation caused single phase outage, but upon seeing what was going on crews took the substation out of power for safety.

Follow-Up: N/A

Form No. 6102 Rev. 7/10

Subject: Aurora 2

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: AUN-2

Date Out: 12/2/2020

Date In: 12/2/2020

Time Out: 1430

Time In: 1541

Duration: 71

Number of Customers Affected: 724

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: South Aurora and south of Aurora

Major Customers: Various Businesses

Cause: Planned outage. Crews took town of Aurora out of power to transfer them to a new stepdown substation with a new Parent(source) feeder.

Follow-Up:

Form No. 6102 Rev. 7/10

Subject: Pepin Lake 514

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: PPL-514

Date Out:	12/11/2020	Date In:	12/11/2020
Time Out:	1525	Time In:	1657

Duration: 92

Number of Customers Affected: 1203

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: Swanville, Flensburg and surrounding areas

Major Customers: Various businesses

Cause: Failed underground cable in the substation

Follow-Up: Feeder is alternatively sourced until the underground equipment can be fixed this week.

Form No. 6102 Rev. 7/10

Subject: Lake Superior 223

Outage Notice: Final Notice

Distribution System Status Outage Notification

Feeder/Bus #: LSP-223

Date Out: 12/23/2020

Date In: 12/24/2020

Time Out: 1902

Time In: 1447

Duration: 74 mins for first restoration but 1305 mins for last customer

Number of Customers Affected: 1114

For information about this alert, contact:

For follow-up information or questions, contact: Brian Schminski
Reliability Engineer
Minnesota Power
bschminski@mnpower.com
218-355-2042

Communities Affected: West Duluth, Proctor

Major Customers: City of Proctor, City of Duluth, Railroad.

Cause: Weather/wind blew over several poles

Follow-Up: Crews restored a vast majority of customers after 123 minutes, but final customer was a closed business was not restored until the next day