

June 19, 2000

FILED²

JUN 20 2000

Missouri Public
Service Commission



Mr. Dale Hardy Roberts
Secretary/Chief Regulatory Law Judge
Missouri Public Service Commission
P. O. Box 360
Jefferson City, MO 65102

Re: MPSC Case No. EC-2000-63

Dear Mr. Roberts:

Enclosed for filing on behalf of Union Electric Company, d/b/a AmerenUE, in the above matter, please find an original and eight (8) copies of its **Third Response** to Commission Ordered Status Report.

Kindly acknowledge receipt of this filing by stamping a copy of the enclosed letter and returning it to me in the enclosed self-addressed envelope.

Very truly yours,

A handwritten signature in black ink, appearing to read "James J. Cook".

James J. Cook
Managing Associate General Counsel

JJC/db

Enclosures

cc: Ms. Shelly Register
Parties on Attached Service List

12396

**BEFORE THE PUBLIC SERVICE COMMISSION
STATE OF MISSOURI**

FILED²

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Missouri Public
Service Commission

Frank E. Dilley, et al.,)
)
Complainants,)
)
v.)
)
Union Electric Company,)
d/b/a AmerenUE)
Respondent)

Case No. EC-2000-63

UNION ELECTRIC COMPANY'S THIRD RESPONSE

Comes now Union Electric Company ("Union Electric," "UE" or "the Company") in further response to the Commission's directives in this matter.

By letter dated May 1, 2000, the Company submitted its "Second Response to Commission Ordered Status Report of Current and Planned Projects for the Spring of 2000." In that filing, the Company reported that it anticipated completion of the projects by June 15, 2000, and that it would report to the Commission by June 20, 2000.

On May 23, 2000, the Commission Staff filed its Notice of Filing of Staff's Response to Commission Ordered Report. In that filing, the Staff requested that the Commission order the Company to file its report on June 20, 2000, and further that the Company file a report by September 15, 2000. The latter report "would include the peak summer period of 2000 and provide a means of measuring the results of the system improvement."

Attached hereto is Attachment 1, an updated version of the status report previously submitted to the Commission. This report indicates that all projects in this

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area have been completed. In addition, the report includes an updated outage history for the area and an updated momentary outage history.

The Company will provide a final report, as requested by the Commission Staff, by September 15, 2000, which will provide outage data through at least August 30, 2000.

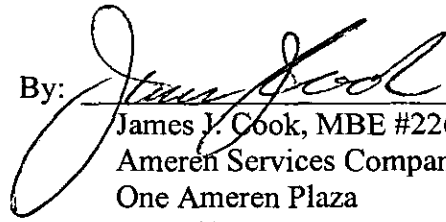
WHEREFORE, Union Electric Company hereby submits the attached report for consideration by the Commission.

Dated: June 19, 2000

Respectfully submitted,

AmerenUE

By:


James J. Cook, MBE #22697
Ameren Services Company
One Ameren Plaza
1901 Chouteau Avenue
P. O. Box 66149 (MC 1310)
St. Louis, MO 63166-6149
314-554-2237
314-554-4014 (fax)
jjcook@ameren.com

October 29, 1999
November 26, 1999 Revised
January 31, 2000 Revised
February 3, 2000 Revised
April 28, 2000 Revised
June 19, 2000 (*) Revised

Feeder 129-051 Phase A
Brumley/Ulman Update

Note: An (*) indicates a revision since the last update

Brumley Substation

Feeder reclosers upgraded from 140 amp to 200 amp;
Xfmr W LTC overhauled;
34kv switch insulators replaced;
34kv strain insulators replaced;
Failed 34kv regulator replaced;
Lid on main tank of Xfmr W leaking and regasketed-transformer placed in-service;
34kv replacement regulator malfunctioning control panel replaced;
Installed culverts and expanded portable substation staging area;
Replaced Xfmr W low side bushings

Lakeside 75 (34kv circuit)

Reliability work including replacement of poles and arresters completed;
34kv 100 ampere recloser at Brumley Substation overhauled and re-installed;

(*) Infrared Inspection

All 34kv (sub transmission) lines in the Lakeside District were infrared inspected via helicopter during May of 2000. This inspection included the sub transmission circuit that supplies Brumley Substation and the Shell Pumping Station. No problems were detected during the flyover. The inspection tapes will be reviewed to determine if there are any problems that were not identified during the flyover.

Brumley 129-051

Pole inspection completed;
Tree trimming completed;
Replacement completed for seven poles as identified during pole inspection as requiring prompt replacement;
Added 100-kvar capacitor;
Miscellaneous recloser upgrades for winter peak 1999/2000 completed;

(*) Regulator installed on C-20.

(*) Brumley 129-051 feeder relief project (Completed June 15, 2000)

Brumley substation has two three phase feeders that are identified as feeders 129-051 and 129-052. The feeder 129-051 serves the area to the east of Brumley substation and the 129-052 feeder serves the area to the west of the Brumley substation. The three phase ends shortly outside the substation and the feeders thereafter diverge as single phase extensions.

Feeder 129-051 carries approximately 76 per cent of the substation load and feeder 129-052 carries the remaining 24 percent of the substation load. The objective of the feeder relief project is three fold:

- Objective 1: Divert load from feeder 129-051 to 129-052;
- Objective 2: Extend feeder 129-052 westward towards Osage Beach area with the goal of eventually establishing three-phase tie capacity with another substation;
- Objective 3: Eliminate opposite phases on normally open switches to allow for closed transition switching operations.

The relief project includes the addition of approximately 2 miles of 1/0 AAAC conductor in various sections from Brumley substation to Pea Ridge Road to Highway JJ, plus a phase cut and installation of a regulator and miscellaneous switches so that all of the load on Highway JJ can be diverted from feeder 129-051 phase A to feeder 129-052 phase A. This design satisfies all three objectives.

Summer 2000 Projections

Feeder	Before	After
129-051 Phase A	150 Amps	129 Amps

(*) This work is identified as work requests 27LE009974, 27LE010788 and 27LE010062. The project is completed.

Extended Outages on Feeder 129-051 Phase A

04/20/00	7 48	DEVICE OVERHD EQUIP MALFUNC MSTRM
11/22/99	4 28	crossarm on LKSD 75 34kv circuit failed (rotten wood)
8/24/99	3 51	customer burning got out of control and created outage

7/29/99	0 29	Failure of 34kv bushing at Turkey Bend Substation
7/28/99	2 20	Xfmr on backbone failed and caused fdr to trip
7/25/99	3 14	Primary wire sagged into span guy and primary came down
7/21/99	2 56	Recloser failed under heavy load; replaced
7/18/99	2 43	Recloser opened under heavy load
6/28/99	3 37	34kv ckt open due to arrester failure-Major Storm
6/27/99	4 35	34kv ckt open due to failure of 34kv regulator at Brumley Major Storm
3/09/99	2 34	Primary wire fell down
2/11/99	1 55	Transformer in overhead failed and caused feeder to open

Extended Outage history

There have been no extended feeder outages affecting all of feeder 129-051 phase A since the last reporting period. There have been two major storms and one minor storm that caused a device outages on this feeder and both feeder and device outages in adjacent areas.

Feeder 129-051 Phase A summary: A church experienced a loose transformer secondary connection on April 8, 2000, eight customers experienced a 7 hour and 48 minute outage during the April 20, 2000 wind and lightning storm and an individual customer experienced a several hour outage to his service during the same storm.

March 11, 2000: Six inches of wet snow fell which resulted in over 25 % of the Lakeside District customers experiencing extended outages of several hours. The Brumley feeder 129-051 Phase A was not affected. However, various customers served by Brumley Substation south of Highway 42 experienced lengthy storm related outages.

March 18, 2000 A recloser failed during a thunderstorm which resulted in 165 customers to the immediate north of the Ulman area being out of service for 3 hours and 9 minutes. Mount Carmel substation feeder 205-051 phase A serves this area.

April 20, 2000 Lightning and high winds estimated at 70 mph during the early morning hours resulted in significant tree damage throughout the eastern portion of the Lakeside service territory. Among the areas hardest hit were the Tuscumbia and Brumley areas. Approximately 2100 customers experienced extended outages. The outages for customers supplied from feeder 129-051 phase A are described above.

(*) June 8, 2000: A transformer on 129-051 Phase C caught on fire which resulted in an outage of 1 hr 43 minutes to 255 customers until the problem was isolated plus and additional 40 minutes for 13 customers located where the transformer failure occurred.

Momentary Outage History

The momentaries that are shown below are operations of the 34kv Lakeside 75 supply. Momentaries of the distribution system are not documented as far as time of occurrence.

10/18/99 14:35	MOMENTRY OPERATING ERROR	Calm
07/31/99 23:04	MOMENTRY NO CAUSE FOUND	CALM
06/10/99 14:05	MOMENTRY NO CAUSE FOUND	TSTRM
06/10/99 14:01	MOMENTRY NO CAUSE FOUND	TSTRM
06/19/98 21:20	MOMENTRY SEVERE WEATHER	TSTRM

rjs

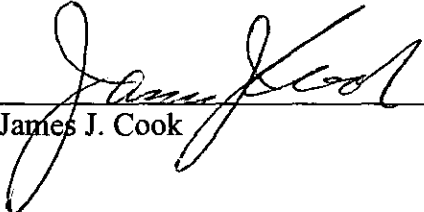
CERTIFICATE OF SERVICE

MPSC Case No. EC-2000-63

I hereby certify that a copy of the foregoing was served via first-class, U.S. mail, postage prepaid, on this 19th day of June, 2000, on the following parties of record:

Office of the Public Counsel P. O. Box 7800 Jefferson City, MO 65102	General Counsel Missouri Public Service Commission P. O. Box 360 Jefferson City, MO 65102
Mr. Frank E. Dilley 312 Highway C Ulman, MO 65083	Ms. Stephanie F. Myers 509 Highway C Ulman, MO 65083
Mr. Dustin Myers 509 Highway C Ulman, MO 65083	Mr. James A. Pankey 356 Highway C Ulman, MO 65083
Mr. Quentin Lupardus P. O. Box 385 Ulman, MO 65083	Mr. Steve Byrd P. O. Box 403 Ulman, MO 65083
Mr. Donald D. Patterson P. O. Box 363 349 Highway C Ulman, MO 65083	Mr. William W. Patterson 199 Hwy C Tuscumbia, MO 65082
Mr. Joseph Alieksaites 217 County Side Road Ulman, MO 65083	Ms. Mildred Alieksaites 9 Jackson Cemetery Road Ulman, MO 65083
James & Rita Jefferies #31 Timber Trails Drive Brumley, MO 65017	David & Brenda Haley 216 Patterson Loop Ulman, MO 65083
Paul & Rebecca Young Ulman, MO 65083	Ruby Otto 69 Timber Trails Drive Brumley, MO 65017
Ms. Sharon K. Abbott 21 Opal Drive Ulman, MO 65083	Mr. Robert J. Sparrow 26 Howell Loop Ulman, MO 65083
Ms. Pauline Hensley 217 Howell Loop Ulman, MO 65083	Mr. Douglas Zeigenbein 324 Brushy Fork Road Ulman, MO 65083
Mr. Paul Patterson 147 Redbird Lane Ulman, MO 65083	Mr. Jimmy Myers 373 Highway C Ulman, MO 65083
Mr. Eddie Reed 158 Hawken Cemetery Road Ulman, MO 65083	Kenneth & Marilyn Carico 141 Highway JJ Ulman, MO 65083
Mr. Lloyd E. Reed 154 Hawken Cemetery Road Ulman, MO 65083	Mr. Randolph E. Shipp 264 Highway JJ Ulman, MO 65083

Deitra Brouk 147 Dog Creek School Road Ulman, MO 65083	James M. Myers 361 Highway C Ulman, MO 65083
Ms. Tammy Byrd P. O. Box 403 Ulman, MO 65083	Ms. Georgette A. Patterson Box 396 Ulman, MO 65083
Mr. Steven D. Patterson 107 Sand Rock Road Ulman, MO 65083	Mr. Marshall E. Humphreys, III 109 Redbird Lane Ulman, MO 65083
Buster McGowin #47 Highway JJ Ulman, MO 65083	James & Melissa Carico 823 Pea Ridge Road Brumley, MO 65017
Mr. Lonnie Jeffries #3 Timber Trails Drive Brumley, MO 65017	Mr. John J. Williams, II 154 Keyes School Road Ulman, MO 65083
Joann Jefferies 22 County Side Road Ulman, MO 65083-9603	Ms. Myna McGowin #47 Highway JJ Ulman, MO 65083
James Aleksaites 436 Highway C Ulman, MO 65083	Ms. Betty J. Drace 326 Highway C Ulman, MO 65083
Lucretia Drace 326 Highway C Ulman, MO 65083	Mr. Gene S. Bax P. O. Box 386 Ulman, MO 65083
Mr. Donald Hibler 156 Ulman Ridge Road Tuscumbia, MO 65082	Mr. Herbert Nixdorf 332 Highway C Ulman, MO 65083
Ms. Linda Sue Nixdorf 328 Highway C Ulman, MO 65083	


James J. Cook