

September 14, 2000

**VIA FEDERAL EXPRESS**



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

**FILED<sup>2</sup>**  
SEP 15 2000  
Missouri Public  
Service Commission

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 **Final 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 "J. Cook", written over the typed name and title.

James J. Cook  
Managing Associate General Counsel

JJC/db

Enclosures

cc: Ms. Shelly Register  
Parties on Attached Service List

13077

BEFORE THE PUBLIC SERVICE COMMISSION  
STATE OF MISSOURI

FILED<sup>2</sup>

SEP 15 2000

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 FINAL 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 June 19, 2000, the Company submitted its "Third Response to  
Commission Ordered Status Report of Current and Planned Projects for the Spring of  
2000." In that filing, the Company reported that all projects in this area have been  
completed and that it would provide a final report to the Commission by September 15,  
2000.

On June 19, 2000, the Commission filed its Order Directing Filing of Company's  
status report showing the performance of its Brumley area distribution system during the  
summer season. This report "shall note the time, date, duration, and cause of every  
service outage in the area served by the Brumley Substation between July 1, 2000, and  
September 1, 2000."

Attached hereto is Attachment 1, an updated version of the status report previously submitted to the Commission. This report includes the information requested in the Commission's July 19<sup>th</sup> Order.

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

Dated: September 14, 2000

Respectfully submitted,

AmerenUE

By: James J. Cook  
James J. Cook, MBE #22697  
Ameren Services Company  
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September 13, 2000

Brumley Substation Area Update  
July 1 –September 1, 2000

This report is divided as follows:

- A. Projected peak loading on feeders 129-051 and 129-052 for the summer of 2000;
- B. Actual peak loads on feeders 129-051 and 129-052 for the period of 7/1/00 through 9/1/00 and the feeder peaks from summer 1999;
- C. Extended Outage History for feeders 129-051 and 129-052 for the period 7/1/00 through 9/1/00;
- D. Comments on specific outages experienced during the 7/1/00 through 9/1/00 time period;
- E. Ongoing area projects.

**A. Project loading on feeders 129-051 and 129-052 for the summer of 2000;**

The projected peak loadings (in amperes) for the two circuits were as follows:

Feeder	Phase A	Phase B	Phase C
129-051	157	145	199
129-052	77	83	33

These predictions indicate the projected loads for the Brumley Substation distribution feeders after the completion of all planned phase cuts and feeder diversions. All such projects were completed prior to the summer 2000 peak. Note that the Feeder 129-051 Phase A projections have been modified from the June 19,2000 Update.

**B. Actual peak loads on feeders 129-051 and 129-052 for the period of 7/1/00 through 9/1/00;**

Feeder	Phase A	Phase B	Phase C
129-051	126	120	166
129-052	84	72	20

The peak occurred at 6 p.m. on Thursday, August 31, 2000. The maximum ambient temperature as measured at Bagnell Dam was 103 degrees Fahrenheit.

The peak loads on the same feeders during the summer of 1999 occurred on Thursday, July 29 at approximately the same time of 6p.m. The maximum ambient temperature as measured at Bagnell Dam was 102 degrees Fahrenheit.

Feeder	Phase A	Phase B	Phase C
129-051	212	128	180
129-052	20	90	48

**C. Extended Outage History for feeders 129-051 and 129-052 for the period 7/1/00 through 9/1/00**

REVIEW OF PRIOR ORDERS  
FROM 07/01/00 TO 09/01/00  
FEEDER 129051  
EXTENDED OUTAGES

DATE	TIME	DIST	SUB	FEEDER	KV	TP CAUSE	W	HR/MIN	CUST	ORDER NO
07/15/00	08:10	LAKE	BRUM	129-051	12	DO TREES	T	4 40	38	001970135
	08:10	LAKE	BRUM	129-051	12	GO TREES	T	2 50	13	001970310
07/17/00	07:01	LAKE	BRUM	129-051	12	TO OH PROB	T	4 54	1	001992124
	07:11	LAKE	BRUM	129-051	12	TO OH PROB	T	4 44	1	001992132
07/30/00	16:12	LAKE	BRUM	129-051	12	TO OH PROB	C	4 48	1	002120294
07/31/00	12:59	LAKE	BRUM	129-051	12	TO OH PROB	C	5 31	1	002131723
08/07/00	05:48	LAKE	BRUM	129-051	12	TO OH PROB	T	4 42	1	002201142
08/18/00	11:26	LAKE	BRUM	129-051	12	DO TREES	C	4 49	23	002315640
	16:15	LAKE	BRUM	129-051	12	GO TREES	C	2 55	6	002317031

REVIEW OF PRIOR ORDERS  
FROM 07/01/00 TO 09/01/00  
FEEDER 129051  
EXTENDED OUTAGES

DATE	TIME	DIST	SUB	FEEDER	KV	TP CAUSE	W	HR/MIN	CUST	ORDER NO
08/31/00	00:25	LAKE	BRUM	129-051	12	MO PRE-ARNG	C	0 00	1	002440043
	08:25	LAKE	BRUM	129-051	12	TO UNKNOWN	C	1 35	1	002441316

**TOTAL for Feeder 129-051**

**87**

REVIEW OF PRIOR ORDERS  
FROM 07/01/00 TO 09/01/00  
FEEDER 129052  
EXTENDED OUTAGES

DATE	TIME	DIST	SUB	FEEDER	KV	TP CAUSE	W	HR/MIN	CUST	ORDER NO
07/11/00	21:57	LAKE	BRUM	129-052	12	DO UNKNOWN	R	15 03	18	001933526
08/06/00	20:10	LAKE	BRUM	129-052	12	DO UNKNOWN	C	2 30	38	002190896
08/08/00	14:13	LAKE	BRUM	129-052	12	DO TREES	C	3 37	38	002214339
08/18/00	14:38	LAKE	BRUM	129-052	12	DO UNKNOWN	C	1 52	9	002316597
08/27/00	07:26	LAKE	BRUM	129-052	12	TO OTHER	T	1 34	1	002400371

**TOTAL for Feeder 129-052**

**104**

Legend on extended outage order summaries

TP    Order Types

DO    Device Outage  
GO    Grouped Outage  
MO    Momentary Outage  
TO    Transformer Outage

W    Weather Codes

C    Calm  
R    Rain  
T    Thunderstorms

**D. Comments on specific outages experienced during the 7/1/00 through 9/1/00 time period;**

Sub Transmission (34,500 volt) outages

On Wednesday, August 30, 2000 at 4:47 p.m., a crossarm supporting the 34kv subtransmission circuit that supplies the Brumley Substation and Equiline (Shell) Customer Substation broke. One of the phases of the 34,500-volt sub transmission made contact with feeder 129-051 phase C. Some customers supplied from the distribution system experienced a momentary outage and a temporary overvoltage condition. The Equiline (Shell) Customer Substation experienced a 9 hour and 10 minute outage.

Distribution (12,470 volt) outages

Momentary outages of the distribution system are not documented.

There were three recorded extended outages to customers located on Feeder 129-051 Phase A. All three were transformer outages to individual customers. These outages occurred on 7/17/00 (Order 001992124), on 7/31/00 (Order 002131723) and on 8/7/00 (Order 002201142).

**E. Ongoing area projects**

Forty-three poles located on Highway C were recommended for replacement. Those poles have been scheduled to be replaced no latter than December 31, 2001;

Keethtown Distribution Substation is scheduled to be placed in service during the summer of 2001. This will be a 1.5-mva substation to be located on Highway U. The substation will provide up to 70 amperes per phase of relief for feeders 129 051 Phase C and 129-052 Phase B. Feeder reliability in this area will also be increased due to the resulting shorter feeder lengths.

**CERTIFICATE OF SERVICE**

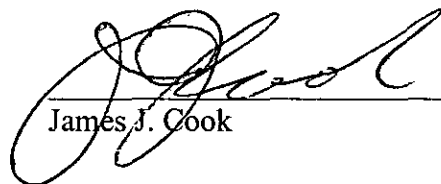
**MPSC Case No. EC-2000-63**

I hereby certify that a copy of the foregoing was served via first-class, U.S. mail, postage prepaid, on this 14th day of September, 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 Aliksaites 217 County Side Road Ulman, MO 65083	Ms. Mildred Aliksaites 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
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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



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Ms. Linda Sue Nixdorf 328 Highway C Ulman, MO 65083	

  
James J. Cook