

May 1, 2000

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MAY 2 2000



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

**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 **Second Response to Commission Ordered Status Report of Current and Planned Projects for the Spring of 2000.**

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", is written over the typed name.

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

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MAY 2 2000

Frank E. Dilley, et al.,

Complainants,

v.

Union Electric Company,
d/b/a AmerenUE

Respondent

Missouri Public
Service Commission

Case No. EC-2000-63

**UNION ELECTRIC COMPANY'S SECOND RESPONSE
TO COMMISSION ORDERED STATUS REPORT OF
CURRENT AND PLANNED PROJECTS FOR
THE SPRING OF 2000**

Comes now Union Electric Company ("Union Electric," "UE" or "the Company") in response to the Commission's directive in the Commission's Order Adopting Staff Recommendation dated February 10, 2000 ("Order"). The Order provided "[t]hat Union Electric Company d/b/a AmerenUE file on February 1, 2000 and on May 3, 2000 reports addressing the status of current projects underway and projects planned for the Spring of 2000 to resolve the quality of service in the area served by the Brumley substation. These reports should also include information on any outage that occurs during the reporting periods involving the subject area." Union Electric provided the required information to the Staff of the Commission on January 31, 2000 and also filed its initial response in compliance with the Commission's Order on February 4, 2000.

Attached as Exhibit A is a report listing: (1) the status of current projects underway; (2) projects planned for the Summer of 2000; (3) extended outage history during the period of February 11, 1999 through April 20, 2000 for the subject area; and

(4) momentary outage history during the period of June 19, 1998 through April 28, 2000 for the subject area.

In its Order, the Commission stated that if the Company should not complete the projects by May 3, 2000, it should give the Commission a "date certain" by which the projects will be completed. The projects are not yet completed. It is currently anticipated that they will be complete by June 15, 2000. The Company will report to the Commission, by June 20, 2000 informing the Commission either that the projects have been completed, or the date by which such completion is then anticipated. Copies of that report will be sent to all parties.

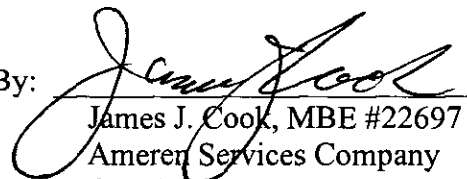
WHEREFORE, pursuant to Commission Order dated December 17, 1999, Union Electric Company hereby submits the attached response for consideration by the Commission.

Dated: May 1, 2000

Respectfully submitted,

AmerenUE

By:



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October 29, 1999
November 26, 1999 Revised
January 31, 2000 Revised
February 3, 2000 Revised
April 28, 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 are scheduled to be infrared inspected via helicopter during Spring 2000. This inspection will include the sub transmission circuits that supply Brumley substation.

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;

Brumley 129-051 feeder relief project (Completion date Summer 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, 27LE010062 and 27LE010061. The project is approximately 50 per cent 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.

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

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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 1st day of May, 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
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