



Kansas City Power & Light®

Law Department

Michael A. Rump
Senior Attorney
(816) 556-2483 ☎
(816) 556-2787 Fax
mike.rump@kcpl.com

January 17, 2003

FILED³

JAN 23 2003

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

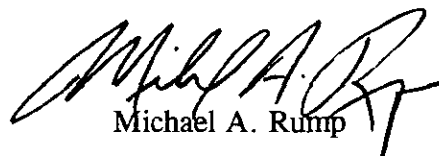
Re: In the Matter of the Application of Kansas City Power & Light Company for a Certificate of Convenience and Necessity authorizing it to extend a 69 kV transmission line which it owns and operates in a portion of the territory served by Aquila, Inc. in Clay County, Missouri Case No. EA-2003-0135

Dear Mr. Roberts:

Enclosed for filing you will find the original and eight (8) copies of KCPL's Second Amended Application in the above-captioned matter.

Please bring this filing to the attention of the appropriate Commission personnel.

Very truly yours,



Michael A. Rump

c: Dana K. Joyce, General Counsel
Office of the Public Counsel

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

FILED³

JAN 23 2003

Missouri Public
Service Commission

In the Matter of the Application of Kansas City)	
Power & Light Company for a Certificate of)	
Convenience and Necessity authorizing it to)	Case No. EA-2003-0135
Extend a 69 kV transmission line which it owns)	
and operates in a portion of the territory served)	
by Aquila, Inc. in Clay County, Missouri.)	

SECOND AMENDED APPLICATION

COMES NOW Kansas City Power & Light Company ("KCP&L") pursuant to Section 393.170 RSMo and 4 CSR 240-2.060 and for its Second Amended Application to the Missouri Public Service Commission ("Commission") states:

1. KCP&L is a corporation organized and existing under and by virtue of the laws of the State of Missouri, with its principal office at 1201 Walnut, Kansas City, Missouri 64106.

2. KCP&L holds Certificates of Convenience and Necessity from the Commission to transact business as an electric public utility in certain areas of the State of Missouri and is principally engaged in the generation, transmission, distribution and sale of electric power and energy.

3. Communications in this matter should be addressed to:

Richard A. Spring
Vice President – Transmission Services
Kansas City Power & Light Company
1201 Walnut Street
Kansas City, Missouri 64106-2124
Telephone: (816) 556-2231
Fax: (816) 556-2924
richard.spring@kcpl.com

Michael A. Rump
Senior Attorney
Kansas City Power & Light Company
1201 Walnut
Kansas City, Missouri 64106-2124
Telephone: (816) 556-2483
Fax: (816) 556-2787
mike.rump@kcpl.com

4. KCP&L has heretofore filed with this Commission a certified copy of the Articles of Consolidation under which it was organized and of all amendments thereto.

5. Authority is sought and KCP&L is requesting that the Commission issue a Certificate of Convenience and Necessity to permit KCP&L to extend a portion of a 69 kV transmission line and construct and operate a substation in territory served by Aquila, Inc. ("Aquila") in Clay County, Missouri.

6. Attached hereto as Schedule A, is a copy of Drawing 59/442S/A01-001 that shows the proposed extension of said transmission line and that portion of the territory in which Aquila provides service and through which the line runs.

7. Attached hereto as Schedule B is a description of the route of the construction of said 69 kV transmission line.

8. Attached hereto as Schedule C, is a copy of Drawing 59/442S/A01-002 that shows the area where the transmission line and electrical substation will be located.

9. Attached hereto as Schedule D is a description of the area where KCP&L's substation will be located.

10. KCP&L seeks to extend the transmission line parallel and east of the Rock Island Railroad right-of-way to comply with Amendatory Agreement No. 2 to Multiple Interconnection Transmission Contract, Interconnection Schedule No. 15, Liberty South 161 kV.

11. Extending the transmission line will be undertaken in conjunction with construction of the new Liberty South Substation. KCP&L will own and operate a 161-69 kV substation facility within the Aquila substation.

12. There are no alternative routes which are as or more efficient than the requested route of the transmission line.

13. The extension of the transmission line and construction of the substation facilities will be financed from current funds. The total estimated cost of the transmission line extension is \$222,000. The total estimated cost of the substation facilities is \$ 1,573,000.

14. The 69 kV transmission line is proposed as three-phase, double circuit, of single steel pole construction; the conductor wire of which shall be 397.5 MCM-ACSR-26/7, and the shield wire which shall be a single 3/8 seven strand extra high strength galvanized wire.

15. There are no electric and telephone lines of regulated and non-regulated utilities, railroad tracks or any underground facility as defined in Section 319.015 RSMo, which the proposed transmission line will cross.

16. Aquila is aware of KCP&L's proposal to extend the transmission line and construct the substation and has no objection to KCP&L's application or construction of said facilities.

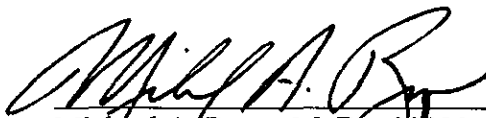
17. KCPL has performed a load study to analyze the impact of load growth in areas served by KCPL's 69 kV system in the Kansas City metropolitan area. The new Liberty South Substation and the new 69 kV transmission line serving this substation will provide a source of power closer to the areas experiencing load growth.

WHEREFORE, KCP&L requests that the Commission issue a Certificate of Convenience and Necessity authorizing KCP&L to construct, own, operate and maintain a 69 kV transmission

line and substation in a portion of Aquila's service territory in Clay County, Missouri, as described in this Application.

KANSAS CITY POWER & LIGHT COMPANY


Richard A. Spring

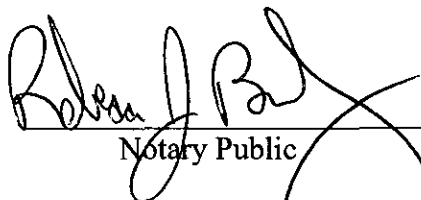

Michael A. Rump MoBar 39080
Kansas City Power & Light Company
1201 Walnut
Kansas City, Missouri 64106-2124
Telephone: (816) 556-2483
Fax: (816) 556-2787
mike.rump@kcpl.com

Attorney for
Kansas City Power & Light Company

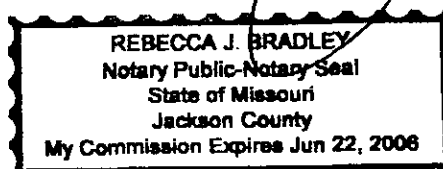
State of Missouri)
) ss.
County of Jackson)

Richard A. Spring, being first duly sworn upon his oath, deposes and states that he is Vice President – Transmission Services of Kansas City Power & Light Company, that he has read and is familiar with the foregoing Application and that the statements therein are true and correct to the best of his knowledge, information and belief.

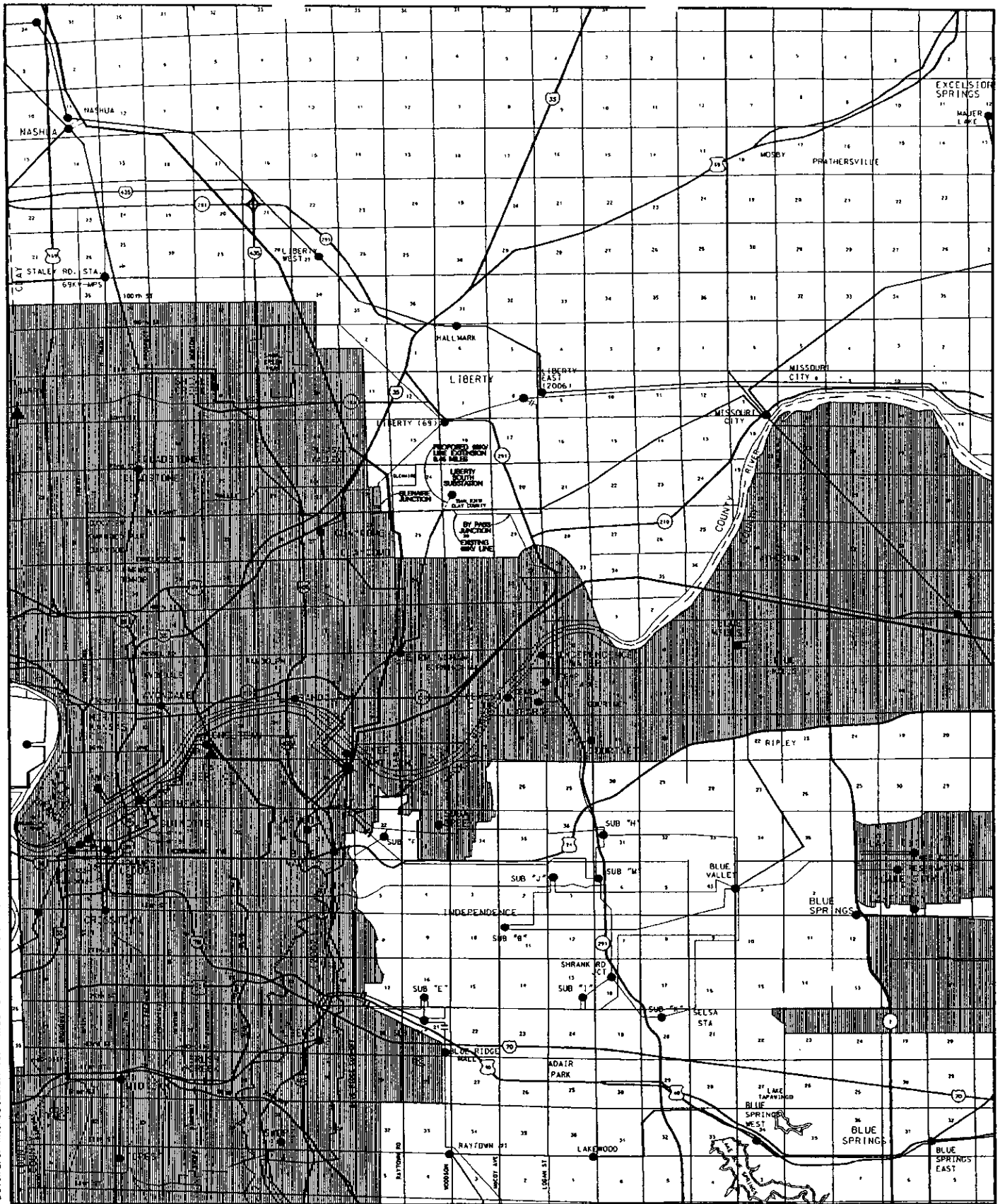
Subscribed and sworn to before me this 17th day of January, 2002.


Notary Public

My Commission Expires:
6-22-06



Border name: ATLAS001
 File name: T701000V.DGN
 User name: Roe, Jim
 Size: 8.5X11
 Last edited: 18-Sep-02 08:34:19
 Software: MicroStation for Windows NT
 Version: 5.7.1.14



69KV TRANSMISSION HAWTHORN - CLAYCOMO #5 CLAYCOMO TO BY PASS JCT. #2 PROPOSED 69KV LINE EXTENSION SCHEDULE A EXHIBIT				KANSAS CITY POWER & LIGHT COMPANY			
REV.	REV. DATE	REVISION & JOB NO.		BY	CK.	APP.	
DRAWN	DATE	DRAFT. CK.	DATE	ENGR. CK.	DATE	APPROVED	SCALE
JGR	09/18/02						
						JOB NO.	DWG. NO.
							59/442S/A01-001

Schedule A

Schedule B

ROUTE EXTENSION OF 69KV GLENAIRE JUNCTION TO BYPASS JUNCTION
TRANSMISSION LINE

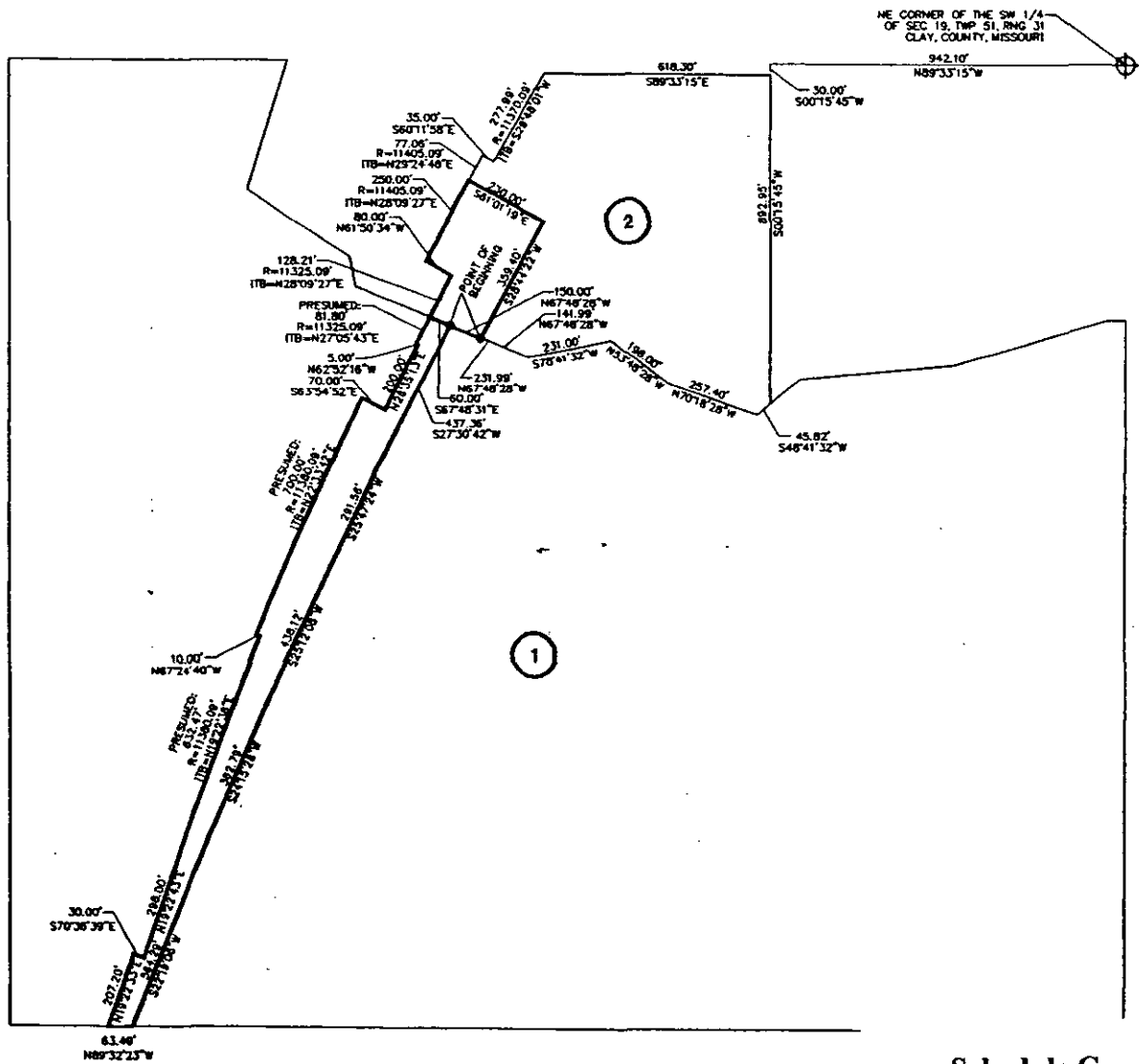
Beginning at the Southwest corner of Section 19, Township 51 North, Range 31 West, thence East approximately 305.51 feet along the South line of Section 19, Township 51 North, Range 31 West; thence N22°19'04"E a distance of 70.0 feet to a Point of Beginning: Said point also being on the centerline of the existing 69 kV Glenaire Junction to By Pass Junction #2 transmission line; thence N22°19'04"E a distance of 504.75 feet; thence N24°15'29"E a distance of 363.42 feet; thence N25°12'08"E a distance of 438.46 feet; thence N25°47'24"E a distance of 291.93 feet; thence N26°53'10"E a distance of 484.48 feet; thence N26°45'03"E a distance of 248.41 feet to the new Liberty South Substation located in the Southwest ¼, Section 19, Township 51 North, Range 31 West, Clay County, Missouri, a distance of approximately 2331 feet. All of which is in the UtiliCorp United Inc. d/b/a Missouri Public Service Certified Area.

1

TAPP FARM ASSOCIATES
EASEMENT AREA = 166170 SQUARE FEET
3.82 ACRES MORE OR LESS
PART OF THE SW 1/4 OF SEC. 19, TWP. 51, RNG. 31

2

MISSOURI PUBLIC SERVICE
EASEMENT AREA = 68135 SQUARE FEET
1.56 ACRES MORE OR LESS
PART OF THE SW 1/4 OF SEC. 19, TWP. 51, RNG. 31



Schedule C

File name: T701000W.DGN
Last edited: 20-Nov-02 06:43:18
Software: MicroStation for Windows NT
Version: 5.7.1.14

69KV TRANSMISSION HAWTHORN - CLAYCOMO #5 CLAYCOMO 52 TO MPS CO. LIBERTY SOUTH TAP EXHIBIT				KANSAS CITY POWER & LIGHT COMPANY			
REV.	REV. DATE	REVISION & JOB NO.		BY	OK	APP.	
DRAWN	DATE	DRAFT. OK	DATE	ENGR. OK	DATE	APPROVED	DATE
JGR	11/20/02						
SCALE 1" = 500'				JOB NO.		DWC. NO. 59/442S/A01-002	

A tract of land being a part of the Southwest $\frac{1}{4}$ of Section 19, Township 51, Range 31, Clay County, Missouri, more particularly described as follows: commencing at the Northeast corner of said Southwest $\frac{1}{4}$; thence North $89^{\circ} 33' 15''$ West, a distance of 942.10 feet; thence South $00^{\circ} 15' 45''$ West, a distance of 30 feet; thence North $89^{\circ} 33' 15''$ West, a distance of 618.30 feet; thence Southwesterly along a curve to the left, having a radius of 11,370.99 feet, and whose initial tangent bearing is South $29^{\circ} 48' 01''$ West, an arc distance of 277.99 feet; thence North $60^{\circ} 11' 58''$ West, a distance of 35 feet; thence Southwesterly along a curve to the left, having a radius of 11,405.09 feet, and whose initial tangent bearing is North $29^{\circ} 24' 48''$ East, an arc distance of 77.06 feet to the true point of beginning of the tract of land to be herein conveyed, said point lying on the Southeasterly right-of-way line of the I&M Rail Link; thence South $61^{\circ} 01' 19''$ East, a distance of 230 feet; thence South $28^{\circ} 44' 22''$ West, a distance of 359.40 feet; thence North $67^{\circ} 48' 28''$ West, a distance of 210 feet to said Southeasterly right-of-way line of the I&M Rail Link; thence continuing along said Southeasterly right-of-way line Northeasterly along a curve to the right; having a radius of 11,325.09 feet, and whose initial tangent bearing is North $28^{\circ} 09' 27''$ East, an arc distance of 128.21 feet; thence North $61^{\circ} 50' 34''$ West, a distance of 80 feet; thence Northeasterly along a curve to the right, having a radius of 11,405.09 feet, and whose initial tangent bearing is North $28^{\circ} 09' 27''$ East, an arc distance of 250 feet to the true point of beginning.