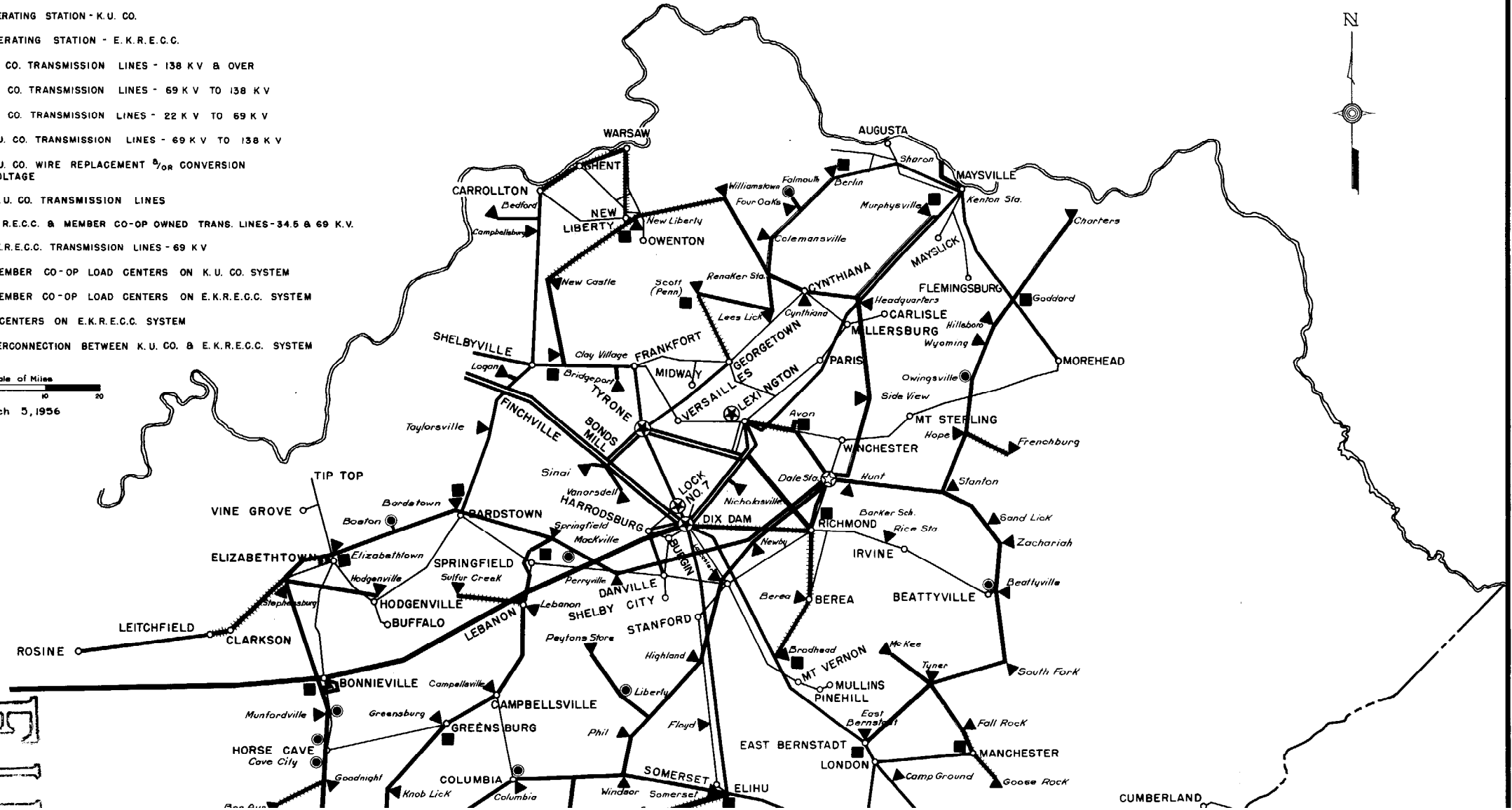
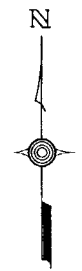


K.U. CO. & E.K.R.E.C.C. EXISTING & PROPOSED TRANSMISSION LINES IN THE AREA OF THE INTERCONNECTED TRANSMISSION SYSTEM

LEGEND

- ELECTRIC GENERATING STATION - K.U. CO.
- ELECTRIC GENERATING STATION - E.K.R.E.C.C.
- EXISTING K.U. CO. TRANSMISSION LINES - 138 KV & OVER
- EXISTING K.U. CO. TRANSMISSION LINES - 69 KV TO 138 KV
- EXISTING K.U. CO. TRANSMISSION LINES - 22 KV TO 69 KV
- PROPOSED K.U. CO. TRANSMISSION LINES - 69 KV TO 138 KV
- PROPOSED K.U. CO. WIRE REPLACEMENT OR CONVERSION TO HIGHER VOLTAGE
- COMPLETED K.U. CO. TRANSMISSION LINES
- EXISTING E.K.R.E.C.C. & MEMBER CO-OP OWNED TRANS. LINES-34.5 & 69 K.V.
- PROPOSED E.K.R.E.C.C. TRANSMISSION LINES - 69 KV
- E.K.R.E.C.C. MEMBER CO-OP LOAD CENTERS ON K.U. CO. SYSTEM
- E.K.R.E.C.C. MEMBER CO-OP LOAD CENTERS ON E.K.R.E.C.C. SYSTEM
- K.U. CO. LOAD CENTERS ON E.K.R.E.C.C. SYSTEM
- POINTS OF INTERCONNECTION BETWEEN K.U. CO. & E.K.R.E.C.C. SYSTEM

Scale of Miles
0 5 10 15 20
March 5, 1956



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Revised March 5, 1956

EXHIBIT B - FIRST REVISION

LIST OF TRANSMISSION LINES AND ASSOCIATED SWITCHING
FACILITIES TO BE CONSTRUCTED OR ACQUIRED BY EAST KENTUCKY
R. E. C. C.

TRANSMISSION LINES

<u>Location</u>	<u>Voltage</u>	<u>Miles</u>	<u>Tentative Date of Completion</u>
Summer Shade to Temple Hill	69,000	9.9	Completed
Temple Hill to Glasgow	69,000	9.0	Completed (1)
Glasgow to Goodnight	69,000	5.8	Completed
Goodnight to Munfordville	69,000	15.9	Completed
Goodnight to Bonayr	69,000	9.0	Jan. 1, 1960
Munfordville to Stephensburg	69,000	22.3	Completed
Stephensburg to Hodgenville	69,000	17.6	Completed
Stephensburg to Elizabethtown	69,000	11.5	Completed
Elizabethtown to Bardstown	69,000	26.6	Completed
Bardstown to Springfield (REA)	69,000	16.0	Completed
Springfield (REA) to Perryville	69,000	16.0	Completed
Springfield (REA) to Springfield (City)	69,000	4.6	Completed (1)
Knob Lick to Summer Shade	69,000	13.4	Completed
Knob Lick to Greensburg	69,000	17.0	Completed
Perryville to Newby	69,000	33.0	Completed
Newby to Ford	69,000	11.1	Completed (2)
Ford to Summer Shade via Windsor	69,000	115.9	Completed
Phil-Highland Line to Peytons Store	69,000	15.0	Completed
Windsor to Elihu	69,000	18.0	Completed
Sewellton Tap	69,000	15.0	Completed
Sewellton to Jamestown	69,000	0.5	Completed
Summer Shade to Albany	69,000	33.4	Completed
Albany to Monticello	69,000	20.0	Completed
Monticello to Whitley City	69,000	23.0	June 30, 1956
Whitley City to Gold Bug	69,000	18.0	Completed (1)
Lebanon to Sulfur Creek	69,000	16.0	Jan. 1, 1960
Ford to Richmond	69,000 (3)	11.0	Completed
Richmond to Berea	69,000	13.0	May 31, 1956
Berea to Brodhead	69,000	16.0	June 30, 1956
Ford to Hunt #1 Circuit	69,000	6.5	Completed
Hunt to Headquarters	69,000	33.5	Completed
Headquarters to Murphysville	69,000	19.9	Completed
Headquarters to Cynthiana	69,000	11.8	Completed
Cynthiana to Renaker	69,000	10.0	Completed (1)
Renaker to Lees Lick	69,000	7.2	Completed
Lees Lick to Scott	69,000	10.0	Completed
Renaker to Berlin	69,000	24.0	Completed (1)
Renaker - Williamstown	69,000	14.5	Completed (1)
Sinai to Bonds Mill	69,000	6.5	Completed
New Liberty to Williamstown	69,000	16.5	August 1, 1956
New Castle to New Liberty	69,000	19.8	August 1, 1956
New Castle - Clay Village	69,000	16.1	Completed
Bonds Mill to Vanarsdell	69,000	4.5	Completed
Ford to Lexington - Winchester Line	69,000 (3)	12.0	Completed
Ford - Hunt #2 Circuit	69,000	7.0 (2)	Completed
Hunt - Stanton	69,000	16.5	Completed
Stanton - Hope	69,000	14.2	Completed
Hope - Frenchburg	69,000	14.0	Jan. 1, 1960
Hope - Hillsboro	69,000	22.0	Completed

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EXHIBIT B - FIRST REVISION

TRANSMISSION LINES (con'd)

<u>Location</u>	<u>Voltage</u>	<u>Miles</u>	<u>Tentative Date of Completion</u>
Tyner-McKee	69,000	10.0	Completed (1)
Fall Rock - Manchester	69,000	6.0	July 1, 1956
Manchester - Goose Rock	69,000	6.0	December 1, 1957
Hillsboro - Charters	69,000	25.0	Completed (1)
Stanton - Zachariah	69,000	17.0	Completed
Zachariah - Beattyville	69,000	13.0	Completed
Beattyville - Tyner	69,000	24.0	Completed
E. Bernstadt - Tyner	69,000)	28.5	Completed (1)
Tyner - Fall Rock	69,000)		Completed (1)
Bridgeport Tap	69,000	1.3	Completed
Logan Tap	69,000	2.2	Completed
Nicholasville Tap	69,000	2.8	Completed
Bonnieville Substation Tap-Double Cir.	69,000	5.0(6)	Completed
Elizabethtown Tap-Double Cir.	69,000	3.0(6)	Indefinite
Total Miles		983.8	

SWITCHING FACILITIES

<u>Location</u>	<u>DESCRIPTION</u>			<u>Tentative Date of Completion</u>
	<u>Oil Circuit Breaker (4)</u>	<u>Air Break Switch(4)</u>	<u>Other</u>	
Summer Shade (Temple Hill Line)	1			Completed
Summer Shade (Knob Lick Line)	1			Completed
Summer Shade (Columbia Line)	1			Completed
Summer Shade (Albany Line)	1			Completed
Temple Hill		2		Completed
Goodnight		2		Completed
Munfordville		2		Completed
Bonnieville	3	1 (138 kv)	1-30 MVA 138/69 KV Autotransf.)	Completed
Boston		1		Completed
Stephensburg		4		Completed
Bardstown	3			Completed
Springfield (EK)	3			Completed
Knob Lick		2		Completed
Greensburg		2		Completed
Perryville		2		Completed
Newby		4		Completed
Lancaster		2		Completed
Highland		2		Completed
Liberty Tap Point		2		Completed
Phil		2		Completed
Windsor		2		Completed
Windsor		1		Completed
Elihu		2		Completed
Columbia		2		Completed
Columbia		1		Completed
Sewellton		2		Completed
Sewellton Junction		3		Completed
Albany		2		Completed
Monticello		2		Completed
Whitley City		2		Completed
Gold Bug	1			Completed
Lebanon (Sulfur Creek Line)		1		Jan. 1, 1960.

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EXHIBIT B - FIRST REVISION

SWITCHING FACILITIES (Con'd)

<u>Location</u>	<u>DESCRIPTION</u>			<u>Tentative Date of Completion</u>
	<u>Oil Circuit Breaker (4)</u>	<u>Air Break Switch(4)</u>	<u>Other</u>	
Berea		2		Completed
Brodhead		1		June 30, 1956
Hunt (1st Circuit)		3		Completed
Hunt (2nd Circuit)		1		Completed
Sideview		2		Completed
Headquarters		3		Completed
Berlin		2		Completed
Renaker (Williamstown and Lees Lick Lines)	2			Completed (5)
Renaker (Berlin and Cynthiana Lines)	2			Completed (5)
Scott		2		Completed
Lee's Lick		2		Completed
Colemansville		2		Completed
Falmouth Tap Point		1		Indefinite
Williamstown		2		August 1, 1956
New Liberty		1		August 1, 1956
New Castle		2		Completed
Clay Village	1	1		August 1, 1956
Bond's Mill		2		Completed
Avon Tap		1 (138 kv)		Oct. 1, 1957 (7)
Ford (Newby #1 and Hunt #1 Lines)	2			Completed
Ford (Newby #2 Line)	1			Completed
Ford (Hunt #2 Line)	1			Completed
Ford (Richmond Line)	1			Completed
Ford (Lexington Line)	1			October 1, 1957 (7)
Stanton	1	3		Completed
Hope		3		Completed
Hillsboro		1		Completed
Goddard	1	2		Completed (1)
Beattyville	2	3		Completed
Tyner		2		Completed (1)
Tyner		2		Completed (1)
E. Bernstadt	1			Completed (1)
Fall Rock		2		July 1, 1956
Manchester		4		July 1, 1956
Horse Cave		2		Completed
Corinth		1		Completed
Owingsville		1		Completed
Zachariah		3		Completed
Elizabethtown		1		Completed

Notes:

- (1) To be acquired from local cooperative
- (2) Second Circuit
- (3) Initial operation at 69 kv, future 138 kv
- (4) 69 kv unless indicated
- (5) Supervisory control not operating at this time.
- (6) Total Circuit Mileage
- (7) Or at a later date to coincide with Ford Unit 3 operation

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EXHIBIT C - FIRST REVISION

LIST OF TRANSMISSION LINES AND ASSOCIATED
SWITCHING FACILITIES TO BE CONSTRUCTED
BY KENTUCKY UTILITIES COMPANY

TRANSMISSION LINES

<u>Location</u>	<u>Voltage</u>	<u>Miles</u>	<u>Tentative Date of Completion</u>
Lebanon to Springfield (REA Line)	69,000 (1)	15.0	March 15, 1956
Lebanon to Campbellsville	69,000 (1)	30.0	Completed
Campbellsville to Greensburg	69,000 (1)	10.0	Completed
Stephensburg to Leitchfield	69,000 (1)	18.0	Indefinite
Jamestown to Elihu	69,000 (2)	27.0	Indefinite
Boston Tap	69,000	4.0	Completed
Lexington to Avon	69,000 (1)	11.0	Oct. 1, 1957 (5)
Dix Dam to N. Richmond	69,000 (3)	22.0	Indefinite (6)
N. Richmond to Higby Mill	69,000 (1)	20.0	Completed
Kenton Station to Sharon	69,000	12.0	Completed
Tyrone-Georgetown	69,000 (3)	19.4	Completed
Sharon to Berlin	69,000	9.0	Completed
Georgetown to Scott	69,000	14.0	Oct. 1, 1956
Falmouth Tap Line	69,000	5.0	Completed
New Liberty to Carrollton via Warsaw	69,000	29.0	Aug. 1, 1956
Bedford Tap Line	69,000	9.0	Completed
Rosine to Leitchfield	34,500	24.0	Completed
TOTAL MILES		268.4	

SWITCHING FACILITIES

<u>Location</u>	<u>DESCRIPTION</u>			<u>Tentative Date of Completion</u>
	<u>Oil Circuit Breakers (4)</u>	<u>Air Break Switches (4)</u>	<u>Other</u>	
Elizabethtown	2			Indefinite
Lebanon	2 (1)			Completed
Bonnieville	2 (138 kv)			Completed
Campbellsville		2		Completed
Greensburg		1		Completed
Jamestown		1		May 1, 1956
Dix Dam (Richmond Line)	1			Indefinite (6)
Higby Mill (Richmond)	1			Completed
Lexington	1			Oct. 1, 1957 (5)
Avon		1		Oct. 1, 1957 (5)
Richmond 69 KV Switching	4	4		Completed
Richmond 69 KV (Dix Dam)	1	1		Indefinite (6)
Georgetown	2	7 1-20 MVA		Completed
	3 (34.5 kv)	69/34.5 KV Supv. Controls		
Tyrone	1	1		Completed
Leitchfield		2		Completed
Nicholasville (Dix Line)		1		Completed
Brodhead		3		Completed
Floyd		2-34.5 KV		Completed
Rockholds		2		Completed
Richland		1		Completed
Cumberland		2-34.5 KV		Completed
Rice Station		1-34.5 KV		May 1, 1956
Goldbug		1		Completed
Murphysville		2		Completed
Kenton Sta. (Sharon Line)	1			Completed
Sharon		2		Completed
Clay Village		1		Aug. 1, 1956

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EXHIBIT C - FIRST REVISION

SWITCHING FACILITIES (Con'd)

<u>Location</u>	<u>DESCRIPTION</u>			<u>Tentative Date of Completion</u>
	<u>Oil Circuit Breakers (4)</u>	<u>Air Break Switches (4)</u>	<u>Other</u>	
Taylorsville City		1		Aug. 1, 1956
Taylorsville REA		1		Aug. 1, 1956
Bridgeport		1		Aug. 1, 1956
New Liberty		3		Aug. 1, 1956
Carrollton	2	1		Aug. 1, 1956
Bedford Tap Point		1		Sept. 15, 1956
Corinth		1		Indefinite
Campbellsburg		1		Sept. 15, 1956
East Bernstadt		1		Completed
Owingsville		1		Completed
Beattyville		3	(34.5 KV - 5 MVA) (69/34.5 (Kv. Auto (Trans.)	Completed
London	2			Completed
Lebanon	2 (138 kv)			Jan. 1, 1957

NOTES:

- (1) Replacing existing 34.5 KV facilities
- (2) Replace conductor only
- (3) Initial operation at 69 KV, future 138 KV
- (4) 69 KV unless indicated
- (5) Or at a later date to coincide with Ford Unit #3 operation
- (6) The parties hereto will jointly consider the economic feasibility and necessity of this project on, or immediately after, the date on which East Kentucky makes definite plans for additional generating capacity at its Dale Generating Station, beyond its Unit #3 or at any time that operating experience shows definite need for this project. Kentucky Utilities reserves the right to construct this line at any time prior to the above date at its discretion.

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Revised March 5, 1956

EXHIBIT D - FIRST REVISION

East Kentucky Owned Facilities to be Dispatched
In Accordance with the Provisions of Paragraph 7 (a).

1. Transmission line from Ford to Summer Shade by way of Elizabethtown.
2. Transmission line from Springfield Coop Substation to City of Springfield.
3. Transmission line from Clay Village to New Liberty.
4. Transmission line from Ford to Murphysville by way of Headquarters.
5. Transmission line from Headquarters to New Liberty by way of Renaker.
6. Transmission line from Scott to Berlin by way of Renaker.
7. Transmission line from Ford to Tyner by way of Beattyville.
8. Transmission line from Stanton to Goddard by way of Hope.
9. Transmission line from Ford to Richmond.
10. Transmission line from Sewellton Junction to Jamestown by way of Sewellton.
11. Transmission line from Ford to Summer Shade by way of Windsor.
12. Transmission line from Elihu to Windsor.
13. Transmission line from East Bernstadt to Manchester by way of Tyner.
14. Transmission line from Richmond to Brodhead by way of Berea.
15. Transmission line from Greensburg to Summer Shade by way of Knob Lick.
16. Transmission line from Ford to Avon Tap.
17. Transmission line from Summer Shade to Gold Bug.
18. All switching devices in the above lines and at their terminals, except at Ford.

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SEP 27 1956

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Revised June 11, 1956

EXHIBIT E - FIRST REVISION

Member Cooperative Load Centers Connected to Kentucky Utilities Transmission System

Bedford	Nicholasville	Taylorsville
Bridgeport	Rice Station	Vanarsdell
Campbellsville	Richland	Cumberland
Lebanon	Rockholds	Floyd
Logan	Sinai	Camp Ground
Campbellsburg	Athertonville (Sulfur Creek)	

The kilowatt-hours delivered to the above load centers shall be used to determine the wheeling charge to be paid by East Kentucky pursuant to Section 8 (h) provided that during the period, defined below, kilowatt-hours on which East Kentucky pays the wheeling charge for the above load centers in any month shall not be more than 132% of the kilowatt-hours delivered to the Kentucky Utilities load centers listed on Exhibit G, as amended. Should such deliveries to the load centers during any month of the period, defined below, exceed the said 132% as stated, payment shall be limited as though deliveries had remained at the 132% level.

The period referred to in the preceding paragraph shall begin March 1, 1956, and shall continue until such date as the sum of the maximum (undiversified) demands of the load centers of Kentucky Utilities listed on Exhibit G, as amended from time to time, shall, within any calendar year, amount to 11,730 kw plus the normal increase, as hereinafter defined. The "normal increase" shall be computed by applying seven per cent (7%) per year increase to said amount of 11,730 kw for each year after 1954. Said seven per cent shall be applied on a compounded basis.

A load center near Winchester to serve the East Kentucky office will be connected to the Kentucky Utilities transmission system. The kilowatt-hours delivered to it and to any other new load center of East Kentucky which may be hereafter connected to the transmission lines of Kentucky Utilities (other than a load center resulting solely by reason of a division of one of the above listed load centers) will be excluded from the provisions of the 132% limit stated above.

This Exhibit must be amended to reflect the future addition or removal of Member Cooperative load centers connected to Kentucky Utilities transmission lines in the area of the interconnected transmission system shown on Exhibit A.

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SEP 27 1956

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Revised March 5, 1956

EXHIBIT F - FIRST REVISION

Member Cooperative Load Centers Connected to East Kentucky Transmission System

Tyner	Goodnight	Goose Rock
Fall Rock	Bonayr	Stephensburg
Beattyville	Knob Lick	Monticello
E. Bernstadt	Munfordville	Windsor
Brodhead	Williamstown	Sewellton
Springfield	Newby	Murphysville
Columbia	Berea (Hickory Plains)	Albany
Phil	Berlin	Whitley City
Lancaster	Headquarters	Charters
Perryville	Colemansville	Hillsboro
Peytons Store	Lees Lick	Stanton
Highland	Sideview	Frenchburg
Temple Hill	Hunt	Hope
New Castle	Elizabethtown	Greensburg
Clay Village (Benson Road)	New Liberty	Somerset
Bardstown	Scott (Penn)	South Fork
Cynthiana	McKee	Zachariah (Campton)
Four Oaks	Hodgenville	Wyoming
		Sand Lick

This Exhibit must be amended to reflect the future addition or removal of Member Cooperative Load Centers connected to East Kentucky transmission lines in the area of the interconnected transmission system shown on Exhibit A.

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SEP 27 1956
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COMMISSION

Revised March 5, 1956

EXHIBIT G - FIRST REVISION

Kentucky Utilities Load Centers Connected to East Kentucky Transmission System

Cave City	Falmouth
Horse Cave	Owingsville
Munfordville	Liberty
Boston	Whitley City
Columbia	
Beattyville	
Mackville	

This Exhibit must be amended to reflect the future addition or removal of Kentucky Utilities Load Centers connected to East Kentucky transmission lines in the area of the interconnected transmission system shown on Exhibit A.

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MODIFICATION OF EXHIBITS

This modification is made as of June 12, 1956, to the agreement dated February 1, 1954, between East Kentucky Rural Electric Cooperative Corporation (East Kentucky) and Kentucky Utilities Company (Kentucky Utilities).

East Kentucky and Kentucky Utilities accept the following revised exhibits and agree to substitute said revisions for those attached to the original contract:

- EXHIBIT A - Map of Kentucky Utilities Company and East Kentucky Rural Electric Cooperative Corporation. Existing and Proposed Transmission Lines. Dated March 5, 1956, Re-drawn and Revised May 1, 1956.
- EXHIBIT B - FIRST REVISION. LIST OF TRANSMISSION LINES AND ASSOCIATED SWITCHING FACILITIES TO BE CONSTRUCTED OR ACQUIRED BY EAST KENTUCKY R. E. C. C. Revised March 5, 1956.
- EXHIBIT C - FIRST REVISION. LIST OF TRANSMISSION LINES AND ASSOCIATED SWITCHING FACILITIES TO BE CONSTRUCTED BY KENTUCKY UTILITIES COMPANY. Revised March 5, 1956.
- EXHIBIT D - FIRST REVISION. East Kentucky Owned Facilities To Be Dispatched In Accordance With the Provision of Paragraph 7 (a). Revised March 5, 1956.
- EXHIBIT E - FIRST REVISION. Member Cooperative Load Centers Connected to Kentucky Utilities Transmission System. Revised June 11, 1956.
- EXHIBIT F - FIRST REVISION. Member Cooperative Load Centers Connected to East Kentucky Transmission System. Revised March 5, 1956.
- EXHIBIT G - FIRST REVISION. Kentucky Utilities Load Centers Connected to East Kentucky Transmission System. Revised March 5, 1956.

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SEP 27 1956

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Copies of said revised exhibits are attached hereto.

IN WITNESS WHEREOF, the parties hereto have caused their names to be hereunto subscribed by their representatives thereunto duly authorized as of the day and year first written above.

EAST KENTUCKY RURAL ELECTRIC COOPERATIVE CORPORATION

By Alvin B. Coe

ATTEST:

By James S. Patterson

KENTUCKY UTILITIES COMPANY

By J. G. Watt

ATTEST:

By E. L. Adams

Watt
SM

APPROVED James S. Patterson (Date) July 6, 1956
PUBLIC SERVICE COMMISSION OF KENTUCKY

APPROVED _____ (Date)
ADMINISTRATOR OF REA

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