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201 Third Street
P.O. Box 24
Henderson, KY 42419-0024
502-827-2561
www.bigrivers.com

April 26, 2007

RECEIVED

APR 27 2007

**PUBLIC SERVICE
COMMISSION**

Michael Burford
Public Service Commission
P.O. Box 615
Frankfort, KY 40602-0615

Dear Mr. Burford:

Enclosed is an original notarized copy of Big Rivers Electric Corporation's 2006 Financial and Statistical Report (Annual Report) pursuant to Public Service Commission (PSC) Regulation 807 KAR 5:006, Section 3(1), and Kentucky Revised Statute KRS 278.230(3). This report has also been submitted electronically via the PSC's internet-based data collection system. A copy of Big Rivers' 2006 Audit Report is being provided in conjunction with this filing.

In addition, pursuant to PSC Order dated October 7, 2005, two copies of the annual filing of information relating to Administrative Case 387 are enclosed herewith.

If you have any questions, please feel free to contact either Ralph Ashworth or me.

Sincerely,

BIG RIVERS ELECTRIC CORPORATION

A handwritten signature in cursive script, appearing to read "C. William Blackburn".

C. William Blackburn
Vice President & Chief Financial Officer

ems
Enclosure

cc: Mike Core
David Spainhoward
Ralph Ashworth

**COMMONWEALTH OF KENTUCKY
BEFORE THE
PUBLIC SERVICE COMMISSION OF KENTUCKY**

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APR 27 2007

PUBLIC SERVICE
COMMISSION

**SUPPLEMENT TO BIG RIVERS ELECTRIC CORPORATION'S
ANNUAL REPORT PURSUANT TO THE COMMISSION'S
ORDER DATED OCTOBER 7, 2005
IN ADMINISTRATIVE CASE NO. 2000-00387**

March 29, 2007

SUPPLEMENT TO BIG RIVERS ELECTRIC CORPORATION'S
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Item 1-G) Actual and weather-normalized energy sales for the just completed calendar year. Sales should be disaggregated into native load sales and off-system sales. Off-system sales should be further disaggregated into full requirements sales, firm capacity sales, and non-firm or economy energy sales. Off-system sales shall be further disaggregated to identify separately all sales where the utility acts as a reseller, or transporter, in a power transaction between two or more other parties.

Response) Table 1-G shows the native and off-system sales for 2006 and the further breakdowns as applicable to Big Rivers. Big Rivers supplies power to be used for back-up of the Weyerhaeuser cogeneration facility. However, this back-up power is received by Big Rivers through a separate back-up power supply agreement and is not included in Table 1-G.

Please note that "TOTAL NATIVE LOAD & OFF-SYSTEM ENERGY SALES" category in Table 1-G represents energy associated with Big Rivers' power supply only. The category 'LOAD NOT SERVED BY BIG RIVERS' represents additional energy that is on the Big Rivers' transmission system. The "Control Area" load is composed of energy provided by others to Kenergy Corp. for resale to the aluminum smelters as well as part of the load for the City of Henderson and Big Rivers acts as the "transporter" for control area load. In addition, Big Rivers acts as transporter for energy from Big Rivers' generators sold off-system by LG&E Energy Marketing. Big Rivers does not track megawatt hours for these transports.

Witness) C. William Blackburn
Travis D. Housley, P.E.
David G. Crockett, P.E.

Table #1G

BIG RIVERS ELECTRIC CORPORATION

Month	TOTAL NATIVE LOAD & OFF-SYSTEM ENERGY SALES (MWh)		LOAD NOT SERVED BY BIG RIVERS					
	Actual	Normalized	Firm	Non-Firm	Reseller	Control Area Load	Wheeling	
	Native Load		Off-System					
	Total Energy		Off-System Energy					
	Weather							
	Actual	Normalized	Firm	Non-Firm	Reseller	MWh	MWh	
Jan-06	277,659	293,850	83,476	94,749	800	625,980	5,920	
Feb-06	268,204	279,254	75,791	86,370	-	565,701	4,030	
Mar-06	259,604	271,494	84,257	109,063	5,600	626,199	2,000	
Apr-06	221,233	248,272	80,528	118,985	-	600,794	1,920	
May-06	242,349	249,616	83,854	113,193	1,650	622,196	1,650	
Jun-06	277,493	270,523	63,697	86,052	-	602,858	4,700	
Jul-06	313,299	301,513	66,922	82,797	30	621,469	6,700	
Aug-06	322,137	309,889	65,713	72,811	-	621,350	6,700	
Sep-06	238,914	282,329	80,730	100,206	-	601,182	2,100	
Oct-06	248,768	258,622	80,105	106,921	-	621,101	2,100	
Nov-06	255,857	256,680	77,404	84,191	-	602,795	1,680	
Dec-06	288,620	279,865	79,299	76,293	-	624,058	1,900	
Total	3,214,137	3,301,907	921,776	1,131,631	8,080	7,335,683	41,400	

Note 1: Big Rivers off-system sales are market blocks of power. Therefore, the off-system sales cannot be weather normalized.

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Item 2-G) A summary of monthly power purchases for the just completed calendar year. Purchases should be disaggregated into firm capacity purchases required to service native load, economy energy purchases, and purchases where the utility acts as a reseller, or transporter, in a power transaction between two or more other parties.

Response) Table 2-G shows energy purchases, both firm and economy, which came through Big Rivers' Power Supply for 2006. Table 2-G also shows additional energy purchased for the control area by others and it shows the quantity of wheeling for 2006.

Witness) C. William Blackburn
Travis D. Housley, P.E.
David G. Crockett, P.E.

TABLE # 2G

BIG RIVERS ELECTRIC CORPORATION

Month	Monthly Power Purchases by Big Rivers				Load Not Served By Big Rivers		
	Native Load		Economy Energy MWh	Resell Energy MWh	Control Area Load MWh	Wheeling MWh	
	Firm Capacity MWh						
Jan-06	277,659	178,119	800	-	6,960		
Feb-06	268,204	162,841	-	9,015	5,120		
Mar-06	259,604	192,543	5,600	63,240	2,720		
Apr-06	221,233	200,507	-	61,115	2,640		
May-06	242,349	199,298	1,650	63,240	2,714		
Jun-06	277,493	149,507	-	61,200	6,592		
Jul-06	313,299	149,256	30	63,240	9,340		
Aug-06	322,137	139,302	-	63,240	9,340		
Sep-06	238,914	182,112	-	61,200	4,380		
Oct-06	248,768	189,256	-	63,261	4,100		
Nov-06	255,857	162,777	-	62,640	2,400		
Dec-06	288,620	154,040	-	63,240	2,940		
Total	3,214,137	2,059,558	8,080	634,631	59,246		

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Item 3-G) Actual and weather-normalized monthly coincident peak demands for the just completed calendar year. Demands should be disaggregated into (a) native load demand (firm and non-firm) and (b) off-system demand (firm and non-firm).

Response) Table 3-G shows the actual and weather normalized native load demand and the off-system coincident demand for 2006. Big Rivers sells its surplus power into the market and therefore the off-system sales cannot be weather normalized. Please see second paragraph of the response to Item 1-G for additional explanation.

Witness) C. William Blackburn

TABLE # 3G

BIG RIVERS ELECTRIC CORPORATION

Month	Native Load		Off-System Sales		Load Not Served By Big Rivers	
	All Firm		Off-System Demand		Control Area Load (MW)	Off System Firm(OPC) MW
	Peak Demand		Weather			
	Actual	Normalized	Firm	Non-Firm		
Jan-06	501	576	126	146	828	-
Feb-06	527	492	100	121	845	-
Mar-06	482	471	126	30	843	-
Apr-06	415	434	126	121	834	-
May-06	503	484	126	119	839	-
Jun-06	593	586	75	70	839	-
Jul-06	631	630	75	0	835	-
Aug-06	629	630	75	40	836	-
Sep-06	479	578	100	68	833	-
Oct-06	473	437	121	131	841	-
Nov-06	477	469	121	88	843	-
Dec-06	594	549	121	88	847	-

Note: Big Rivers off-system sales are market blocks of power. Therefore, the off-system sales cannot be weather normalized.

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Item 4-G) Load shape curves that show actual peak demands and weather-normalized peak demands (native load demand and total demand) on a monthly basis for the just completed calendar year.

Response) Graph 4-G shows the monthly native load demand with the monthly weather normalized native load demand for 2006. The total curve represents the native load demand plus the actual firm off-system sales.

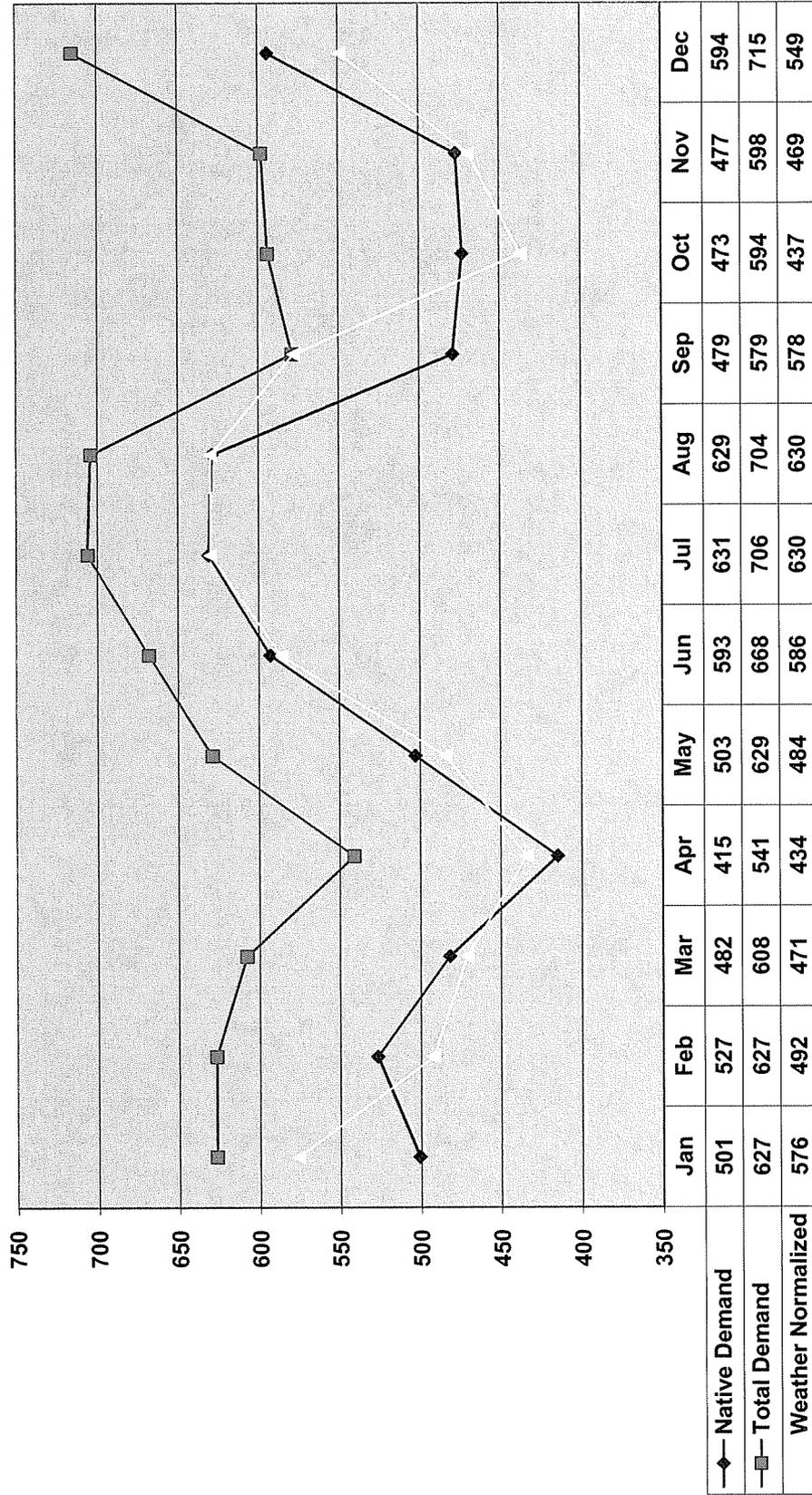
Please note this graph represents power that comes through Big Rivers' power supply and does not represent the activity of others in the Big Rivers' control area. Big Rivers does not have the data to supply the remaining power for the control area.

Witness) C. William Blackburn
Travis D. Housley, P.E.
David G. Crockett, P.E.

Graph #4G

BIG RIVERS ELECTRIC CORPORATION

NATIVE LOAD AND TOTAL COINCIDENT PEAK DEMANDS (MW) - 2006



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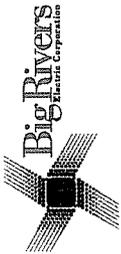
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Item 5-G) Load shape curves showing the number of hours that native load demand exceeded these levels during the just completed calendar year: (1) 70% of the sum of installed generating capacity plus firm capacity purchases; (2) 80% of the sum of installed generating capacity plus firm capacity purchases; (3) 90% of the sum of installed generating capacity plus firm capacity purchases.

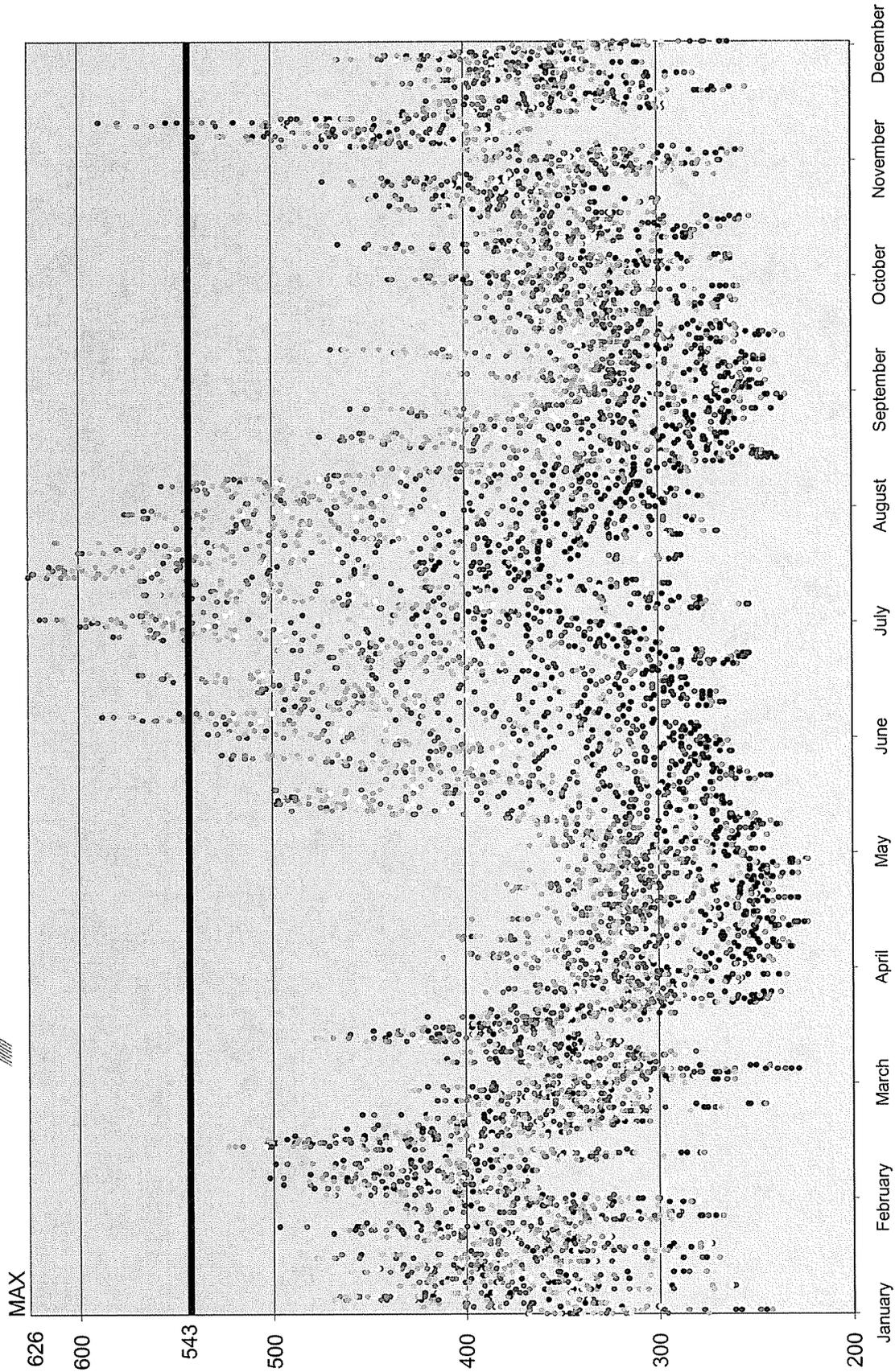
Response) Graphs 5-G (pages 2 - 4 of 4) show the hourly native load demand for 2006 with each dot representing the demand for that hour. They also show the lines representing 70%, 80%, and 90% (respectively) of Big Rivers' total capacity. Big Rivers exceeded 70% of its capacity for a total of 30 hours during the year, which may be seen as all of the dots above the 543 line on the graph. At 80% and 90% of Big Rivers' capacity (620 MW and 689 MW respectively), Big Rivers' maximum native load did not exceed either of those levels.

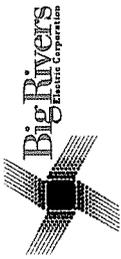
Please note these graphs represent power that came through Big Rivers' power supply and does not represent the activity of others in the Big Rivers' control area. Big Rivers does not have the data to supply the remaining power for the control area.

Witness) C. William Blackburn

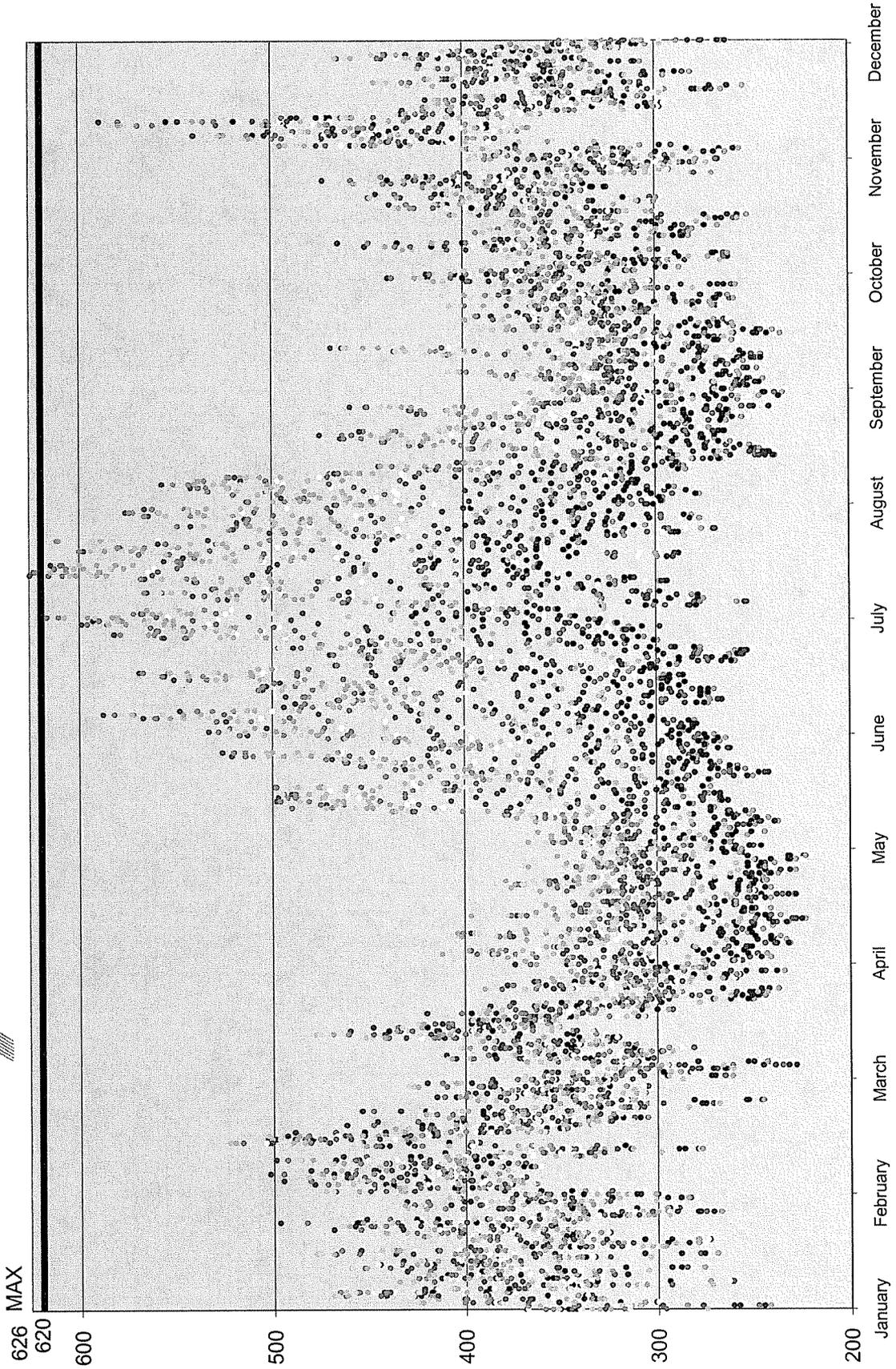


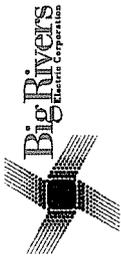
Hourly Native Load Shape - 2006
Hours Above 543 MW (70% Capacity) = 204 MWH = 6078



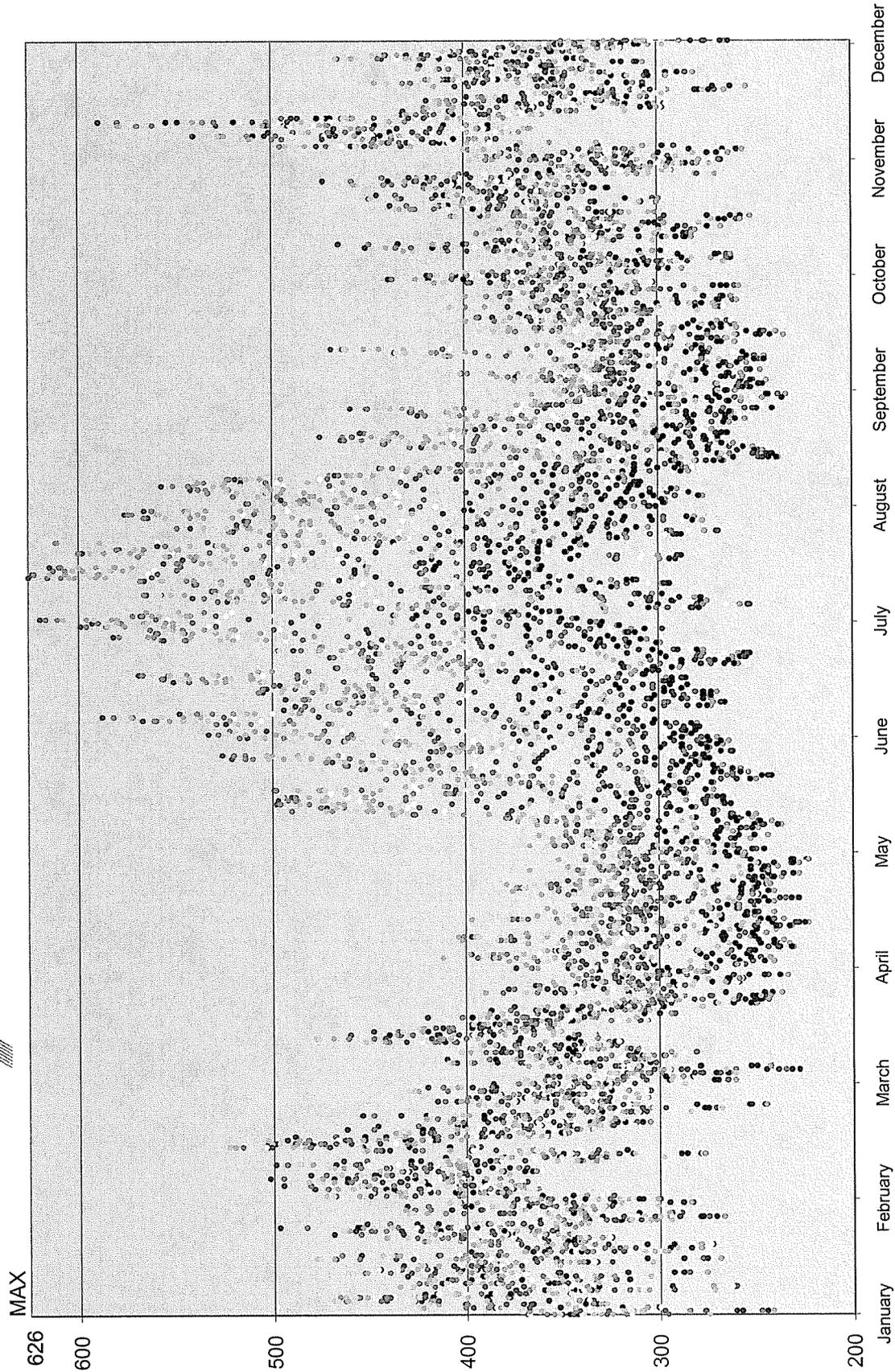


Hourly Native Load Shape - 2006
Hours Above 620 MW (80% Capacity) = 4 MWH = 14





Hourly Native Load Shape - 2006
Hours Above 698 MW (90% Capacity) = 0 MWH = 0



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Item 6-G) Based on the most recent demand forecast, the base case demand and energy forecasts and high case demand and energy forecasts for the current year and the following four years. The information should be disaggregated into (a) native load (firm and non-firm demand) and (b) off-system load (both firm and non-firm demand).

Response) Table 6-G tabulates the forecasted base case and high case demand and energy in the associated demand breakdowns as requested. Big Rivers does not have any native non-firm demand.

Please note this table represents power that came through Big Rivers' power supply and does not represent the activity of others in the Big Rivers' control area. Big Rivers does not have the data to supply the remaining power for the control area.

Witness) C. William Blackburn

TABLE # 6G

BIG RIVERS ELECTRIC CORPORATION

**TOTAL NATIVE LOAD & OFF-SYSTEM LOADS
BASE & HIGH CASE FORECASTS**

Year	Native Load		High Case		Off-System Sales**			
	Base Case Demand (MW)	Base Case Energy (MWh)	High Case Demand (MW)	High Case Energy (MWh)	Base Case FIRM Demand (MW)	Base Case NON-FIRM Demand (MW)	High Case FIRM Demand (MW)	High Case NON-FIRM Demand (MW)
2007	657	3,403,824	674	3,622,079	157	0	157	0
2008	666	3,445,744	683	3,665,105	50	0	50	0
2009	675	3,491,439	697	3,711,927	50	0	50	0
2010	685	3,535,326	710	3,756,955	50	0	50	0
2011	696	3,586,916	725	3,809,814	50	0	50	0

*The forecasted demand for off-system sales is assumed to be at the time of the native load coincident peak demand.

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Item 7-G) The target reserve margin currently used for planning purposes, stated as a percentage of demand. If changed from what was in use in 2001, include a detailed explanation for the change.

Response) When Big Rivers operated its own generation, a generation planning reserve margin was calculated using output data from statistical calculations for loss of load probabilities and loss of generation expectations for various outage states of the generators.

Big Rivers is a unique utility in Kentucky because it leases all of its generation capacity and purchases most of its power requirements as liquidated damages firm (LD firm) power. Reserve margins are calculated from historical generator operating characteristics and various states of generator outages. Big Rivers native load is now supplied with LD firm power from LG&E Energy Marketing and firm power from the Southeastern Power Administration. Because of this, Big Rivers has no formal planning reserve margin.

Witness) C. William Blackburn

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Item 8-G) Projected reserve margins stated in megawatts and as a percentage of demand for the current year and the following 4 years. Identify projected deficits and current plans for addressing these. For each year identify the level of firm capacity purchases projected to meet native load demand.

Response) Please see Response to Item 7-G relative to reserve margins. Big Rivers has no projected deficits for the current year or for the following 4 years. Big Rivers' level of firm capacity purchases for the next 4 years is 775 MW.

Witness) C. William Blackburn

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Item 9-G) By date and hour, identify all incidents during the just completed calendar year when reserve margin was less than the East Central Area Reliability Council's ("ECAR") 1.5% spinning reserve requirements. Include the amount of capacity resources that were available, the actual demand on the system, and their reserve margin, stated in megawatts and as a percentage of demand. Also identify system conditions at the time.

Response) ECAR went out of existence on December 31, 2005 and was replaced by the newly formed regional reliability organization Reliability First Corporation. Big Rivers Electric Corporation chose to join the regional reliability organization on its southern border Southeastern Reliability Corporation (SERC). A temporary one year reserve sharing group was formed by the utilities formerly in ECAR to allow time for researching the benefits of joining an existing or creation of a new longer term organization for reserve sharing. Big Rivers Electric Corporation became a member of the new temporary organization ECAR Reserve Sharing Group ("ERSG") administrated by Reliability First Corporation. We were assigned a new spinning reserve requirement of 18 MW as defined by the protocol for ERSG. The table attached lists the incidents for 2006 when spinning reserves were less than the minimum of 18 MW. This table contains the available generation capacity, system demand, reserve margin, and system condition as requested.

Witness) Travis D. Housley, P.E.
David G. Crockett, P.E.

Big Rivers Electric Corporation									
Item 9-G									
2006	Day	Hour CPT	Capacity Resources (MW)	System Demand (MW)	Reserve Margin (MW)	Reserve Margin (%)	System Conditions	Reserve Margin (%)	System Conditions
January	7	14:00	1421	1409	12	0.7	Mill problems	0.7	Mill problems
January	8	19:00	1329	1324	5	0.3	plant problems	0.3	plant problems
February	2	20:00	1550	1552	-2	-0.1	plant problems	-0.1	plant problems
February	9	10:00	1529	1623	-94	-5.2	lost mill	-5.2	lost mill
February	19	10:00	1474	1482	-8	-0.4	plant problems	-0.4	plant problems
March	3	9:00	1383	1402	-19	-1.1	Reid 1, Green issues	-1.1	Reid 1, Green issues
March	23	16:00	1549	1555	-6	-0.3	Green 2 problems	-0.3	Green 2 problems
March	28	12:00	1353	1362	-9	-0.5	plant problems	-0.5	plant problems
April	13	11:00	1483	1489	-6	-0.3	plant problems	-0.3	plant problems
April	17	7:00	1373	1401	-28	-1.6	Wilson mill	-1.6	Wilson mill
April	19	12:00	1476	1485	-9	-0.5	Wilson mill	-0.5	Wilson mill
April	25	20:00	1427	1443	-16	-0.9	Coleman 1 mill	-0.9	Coleman 1 mill
April	26	14:00	1314	1294	20	1.1	Henderson 1 mill	1.1	Henderson 1 mill
April	29	8:00	1391	1421	-30	-1.7	Green 2 mill	-1.7	Green 2 mill
May	19	12:00	1467	1469	-2	-0.1	Coleman issues	-0.1	Coleman issues
May	21	19:00	1337	1353	-16	-0.9	Schedule curtailment	-0.9	Schedule curtailment
May	22	21:00	1346	1353	-7	-0.4	Coleman 3 mill	-0.4	Coleman 3 mill
May	23	17:00	1364	1373	-9	-0.5	Green 2 issues	-0.5	Green 2 issues
June	19	15:00	1631	1649	-18	-1.0	Coleman 1 issues	-1.0	Coleman 1 issues
August	29	21:00	1477	1490	-13	-0.7	plant problems	-0.7	plant problems
September	6	11:00	1467	1454	13	0.7	Coleman 1 issues	0.7	Coleman 1 issues
September	18	21:00	1457	1472	-15	-0.8	Coleman 2 issues	-0.8	Coleman 2 issues
September	23	9:00	1260	1251	9	0.5	wet coal	0.5	wet coal
October	3	14:00	1457	1471	-14	-0.8	Plant problems	-0.8	Plant problems
October	8	18:00	1470	1489	-19	-1.1	Plant problems	-1.1	Plant problems
October	11	7:00	1286	1275	11	0.6	Plant problems	0.6	Plant problems
October	12	20:00	1468	1473	-5	-0.3	Plant problems	-0.3	Plant problems
October	19	7:00	1278	1300	-22	-1.2	Henderson 1 off line	-1.2	Henderson 1 off line
October	19	16:00	1334	1363	-29	-1.6	Wilson problems	-1.6	Wilson problems
October	26	22:00	1493	1501	-8	-0.4	Reid 1 problems	-0.4	Reid 1 problems
October	27	8:00	1437	1467	-30	-1.7	Wilson mill	-1.7	Wilson mill
October	28	17:00	1225	1258	-33	-1.8	Wilson mill	-1.8	Wilson mill
October	29	16:00	1394	1399	-5	-0.3	Wilson mill	-0.3	Wilson mill
November	5	15:00	1338	1370	-32	-1.8	Wilson mill	-1.8	Wilson mill
November	7	14:00	1414	1424	-10	-0.6	Plant problems	-0.6	Plant problems
November	12	10:00	1350	1345	5	0.3	Henderson 2 issues	0.3	Henderson 2 issues
November	16	14:00	1443	1464	-21	-1.2	Plant problems	-1.2	Plant problems
November	18	22:00	1432	1450	-18	-1.0	Coleman 1 mill	-1.0	Coleman 1 mill

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Item 10-G) A list identifying and describing all forced outages in excess of 2 hours in duration during the just completed calendar year.

Response) Big Rivers Electric Corporation entered into various agreements with Western Kentucky Energy Corp. (“WKE”) and with WKE Station Two Inc. (“WKE Station Two”) which require the two companies to operate and maintain Big Rivers’ generating stations and Henderson Municipal Power and Light’s Station Two generating stations respectively. The requested information cannot be provided by Big Rivers without written approval from WKE and WKE Station Two. Big Rivers is forwarding a copy of this response to Western Kentucky Energy Corp. and WKE Station Two Inc., Attention: Mr. Robert Toerne, Contract Manager, Western Kentucky Energy Corp., P.O. Box 1518, Henderson, KY, 42419-1518.

Witness) David Spainhoward

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Item 11-G) A list that identifies scheduled outages or retirements of generating capacity during the current year and the following four years.

Response) Big Rivers Electric Corporation entered into various agreements with Western Kentucky Energy Corp., (“WKE”) and with WKE Station Two Inc., (“WKE Station Two”) which require the two companies to operate and maintain Big Rivers’ generating stations and Henderson Municipal Power and Light’s Station Two generating stations respectively. The requested information cannot be provided by Big Rivers without written approval from WKE and WKE Station Two. Big Rivers is forwarding a copy of this response to Western Kentucky Energy Corp. and WKE Station Two Inc., Attention: Mr. Robert Toerne, Contract Manager, Western Kentucky Energy Corp., P.O. Box 1518, Henderson, KY, 42419-1518. There are no retirements of generating capacity planned for the next four years nor has any capacity been retired in the last year.

Witness) David Spainhoward

SUPPLEMENT TO BIG RIVERS ELECTRIC CORPORATION'S
ANNUAL REPORT PURSUANT TO THE COMMISSION'S
ORDER DATED OCTOBER 7, 2005 IN
ADMINISTRATIVE CASE NO.2000-00387

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Item 12-G) Identify all planned base load or peaking capacity additions to meet native load requirements over the next 10 years. Show the expected in-service date, size and site for all planned additions. Include additions planned by the utility, as well as those by affiliates, if constructed in Kentucky or intended to meet load in Kentucky.

Response) Big Rivers presently has no plans to make base load or peaking capacity additions to meet native load for the years 2007 through 2016.

Witness) C. William Blackburn

SUPPLEMENT TO BIG RIVERS ELECTRIC CORPORATION'S
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Item 13-G) The following transmission energy data for the just completed calendar year and the forecast for the current year and the following four years:

a) Total energy received from all interconnections and generation sources connected to the transmission system.

b) Total energy delivered to all interconnections on the transmission system.

c) Peak load capacity of the transmission system.

d) Peak demand for summer and winter seasons on the transmission system.

Response) The attached four tables list the Big Rivers' transmission system energy, capacity and demand responses.

Witness) Travis D. Housley, P.E.
David G. Crockett, P.E.

Big Rivers Electric Corporation				
Response to Item 13-G (a)				
Transmission System Energy Received (MWh)				
	<u>Generation</u>	<u>Interconnections</u>	<u>Total</u>	
2006	13,067,561	2,767,648	15,835,209	
Projected System Energy Received (MWh)				
2007			16,000,000	
2008			16,000,000	
2009			16,000,000	
2010			16,000,000	
2011			16,000,000	

Big Rivers Electric Corporation				
Response to Item 13-G (b)				
Transmission System Energy Delivered at Interconnections (MWh)				
				<u>Total</u>
	2006			2,767,648
Projected System Energy Delivered at Interconnection (MWh)				
	2007			4,725,000
	2008			4,700,000
	2009			4,675,000
	2010			4,650,000
	2011			4,625,000

Big Rivers Electric Corporation				
Response to Item 13-G (d)				
Transmission System Peak Demand (MW)				
		<u>Winter</u>		<u>Summer</u>
2006		1774		1733
Projected System Peak Demand (MW)				
		<u>Winter</u>		<u>Summer</u>
2007		1800		1800
2008		1800		1800
2009		1800		1800
2010		1800		1800
2011		1800		1800

SUPPLEMENT TO BIG RIVERS ELECTRIC CORPORATION'S
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Item 14-G) Identify all planned transmission capacity additions for the next 10 years. Include the expected in-service date, size and site for all planned additions and identify the transmission need each addition is intended to address.

Response) The attached table lists Big Rivers' current ten-year transmission capacity addition plan. All the projects in this plan are for the purpose of meeting member cooperative load growth and if load patterns deviate from the current forecast, the plan will be correspondingly altered.

Witness) Travis D. Housley, P.E.
David G. Crockett, P.E.

BIG RIVERS ELECTRIC TRANSMISSION ADDITIONS, 2007 – 2016

Project Description

Notes

Year: 2007

McCracken Co. – Olivet Church 69 kV Line (4 miles)
 Falls of Rough – McDaniels 69 kV line (6 miles)
 LGEE (KU) 345 kV line Interconnection
 McCracken Co. 69 kV line Terminal
 Olivet Church Road Tap RCS
 Hancock Co. Capacitor Bank
 Hardinsburg # 1 RCS
 Meade County 161 KV Line Terminal

Up-grading infrastructure to meet system load growth
 Up-grading infrastructure to meet system load growth
 Increase off-system import/export capability
 Up-grading infrastructure to meet system load growth
 Up-grading infrastructure to meet system load growth
 Up-grading infrastructure to meet system load growth
 Support for radial fed Substation
 Support for radial fed Substation

Year: 2008

Hardinsburg 161 kV Substation Modification
 Hardinsburg –Cloverport (LG&E) P. Carrier
 Re-conductor Reid – Onton Jct.to 336 MCM (10 miles)
 Re-conductor Hopkins Co.– So. Hanson to 336 MCM (14 miles)
 William to Hardinsburg – Paradise 161 KV line (13 miles)
 Wilson 161 kV line Terminal
 Paradise 161 kV line Terminal Upgrade
 Cumberland –Caldwell Springs 69 kV line (10 miles)
 Reid EHV, Coleman EHV, Wilson EHV, RTUs
 Co-op Substation 69 kV Line (2 miles)
 Livingston Co., McCracken Co., & Skillman RTUs
 Reid – Daviess Co. Re-conductor (22 miles)
 Bryan Rd. – Culp Jct. 69 kV line (9 miles)
 Re-conductor Wilson tie – Paradise 161 kV line (8 miles)
 Relaying PLC to Reid (2) ,k, Henderson & Daviess Co.

Up-grading infrastructure to meet system load growth
 Equipment Replacement
 Up-grading infrastructure to meet system load growth
 Up-grading infrastructure to meet system load growth
 Increase off – system. import/export capability
 Increase off – system. import/export capability
 Increase off – system. import/export capability
 Up-grading infrastructure to meet system load growth
 Equipment Replacement
 Member Substation tap line and metering
 Equipment Replacement
 Up-grading infrastructure to meet system load growth
 Up-grading infrastructure to meet system load growth
 Increase off system import/export capability
 Equipment Replacement

BIG RIVERS ELECTRIC TRANSMISSION ADDITIONS, 2007 – 2016

Project Description

Notes

Year: 2009

Ensor Substation (50 MVA)
 Ensor 69 kV and 161 kV Lines (5 mil
 Re-conductor Henderson Co. – Zion tap (1.6 miles)
 Co-op Substation 69 kV Line (2 miles)
 Livingston Co., McCracken Co., & Skillman RTUs
 Reid – Daviess Co. Re-conductor (22 miles)
 Bryan Rd. - Culp Jct. 69 kV line (9 miles)
 Re-conductor Wilson tie – Paradise 161 kV line (8 miles)

New Substation to meet system load growth
 Transmission lines to connect new Substation
 Up-grading infrastructure to meet system load growth
 Member Substation tap line and metering
 Reid & Henderson Co. Relaying PLC
 Up-grading infrastructure to meet system load growth
 Up-grading infrastructure to meet system load growth
 Increase off system import/export capability

Year: 2010

Hardinsburg Transformer Upgrades (100 MVA)
 Relaying PLC at Coleman, & Skillman
 Ensor – Weberstown 69 kV line (10 miles)
 Re-conductor Meade Co. – Garrett (8.5 miles)
 Co-op Substation 69 kV Line (2 miles)

Up-grading infrastructure to meet system load growth
 Equipment replacement
 Equipment replacement
 Up-grading infrastructure to meet system load growth
 Member Substation tap line and metering

Year: 2011

Corydon 161/69 kV Substation (50 MVA)
 HMP&L #4 161 kV Line Terminal
 Corydon-HMP&L #4 161 kV Line (9 miles)

New Substation to meet system load growth
 Transmission Line to connect new Substation
 Transmission Line to connect new Substation

BIG RIVERS ELECTRIC TRANSMISSION ADDITIONS, 2007 – 2016

Project Description

Notes

Year: 2012

Re-conductor Meade Co. – Garrett 336 MCM (8.5 miles)
 Custer Capacitor Bank
 Sullivan Capacitor Bank
 Co-op Substation 69 kV line (2 miles)

Up-grading infrastructure to meet system load growth
 Up-grading infrastructure to meet system load growth
 Up-grading infrastructure to meet system load growth
 Member Substation tap line and metering

Year: 2013

Sebree Capacitor Bank
 Co-op Substation 69 kV Line (2 miles)

Up-grading infrastructure to next system load growth
 Member Substation tap line and metering

Year: 2014

Co-op Substation 69 kV Line (2 miles)

Member Substation tap line and metering

Year: 2015

Co-op Substation 69 kV Line (2 miles)
 Bryan Rd – Husband Rd Tap Re – conductor
 with 336 MCM (1 mile)

Member Substation tap line and metering
 Up-grading infrastructure to next system load growth

Year: 2016

Re – Conductor Reid – Niagara with 336 MCH (6 miles)
 Re-Conductor Rome Jct. – W. Owensboro with 336 MCM
 (4.9 miles)
 Co-Op Substation (AKV line (2 miles)

Up-grading infrastructure to next system load growth
 Up-grading infrastructure to next system load growth
 Member Substation tap line and metering

File: Ten Yr Construction Plan 2007 - 2016