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March 30, 2005

Via Federal Express

Ms. Elizabeth O'Donnell
Executive Director
Public Service Commission
211 Sower Boulevard, P.O. Box 615
Frankfort, Kentucky 40602-0615

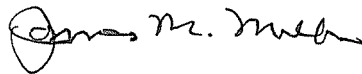
RECEIVED
MAR 31 2005
PUBLIC SERVICE
COMMISSION

Re: **MEADE COUNTY RURAL ELECTRIC
COOPERATIVE CORPORATION**
PSC Administrative Case No. 2005-00090

Dear Ms. O'Donnell:

Enclosed are an original and ten copies of the response of Meade County R.E.C.C. to the data requests propounded to it in the March 10, 2005, order of the Public Service Commission in the above-styled matter. Please note our appearance as counsel of record in this matter for Meade County R.E.C.C. I certify that a copy of this filing has been served this day on the persons shown on the attached service list.

Sincerely yours,



James M. Miller
Tyson Kamuf
Counsel for Meade County R.E.C.C.

JMM/ej
Enclosures

cc: Burns Mercer
Service List

Telephone (270) 926-4000
Telecopier (270) 683-6694

100 St. Ann Building
PO Box 727
Owensboro, Kentucky
42302-0727

SERVICE LIST
PSC CASE NO. 2005-00090

Allen Anderson
South Kentucky RECC
P.O. Box 910
925-925 N. Main Street
Somerset, KY 42502-0910

Kent Blake
Director-State Regulation and Rates
Louisville Gas and Electric company
220 W. Main Street
P.O. Box 32010
Louisville, KY 40232-2010

Daniel W. Brewer
Blue Grass Energy Cooperative Corp.
P.O. Box 990
1201 Lexington Road
Nicholasville, KY 40340-0990

Sharon K. Carson
Finance & Accounting Manager
Jackson Energy Cooperative
P.O. Box 307
U.S. Highway 421S
McKee, KY 40447

Carol H. Fraley
President and CEO
Grayson R.E.C.C.
109 Baby Park
Grayson, KY 41143

Larry Hicks
Salt River Electric Cooperative Corp.
111 West Brashear Avenue
P.O. Box 609
Bardstown, KY 40004

Michael H. Core
David Spainhoward
Big Rivers Electric Corporation
201 Third Street, P.O. Box 24
Henderson, KY 42419-0024

Mark A. Bailey
Kenergy Corp.
3111 Fairview Drive
P.O. Box 1389
Owensboro, KY 42302

Sarah Botkin
Business Service Manager
Berea College
Electric Utility Department
CPO 2207
Berea, KY 40404

Jackie B. Browning
Farmers R.E.C.C.
504 South Broadway
P.O. Box 1298
Glasgow, KY 42141-1298

James B. Gainer
Legal Division
The Union Light Heat & Power Co.
139 E. Fourth Street
Cincinnati, OH 45202

James L. Jacobus
Inter-County Energy Cooperative
Corporation
1009 Hustonville Road
P.O. Box 87
Danville, KY 40423-0087

Michael L. Miller
President & CEO
Nolin R.E.C.C.
411 Ring Road
Elizabethtown, KY 42701-8701

Michael S. Beer
VP- Rates & Regulatory
Kentucky Utilities Company
c/o Louisville Gas & Electric Co.
P.O. Box 32010
Louisville, KY 40232-2010

Dudley Bottom Jr.
Shelby Energy Cooperative, Inc.
620 Old Finchville Road
Shelbyville, KY 40065

Overt L. Carroll
Clark Energy Cooperative, Inc.
P.O. Box 748
2640 Ironworks Road
Winchester, KY 40392-0748

Bill Duncan
Licking Valley R.E.C.C.
P.O. Box 605
271 Main Street
West Liberty, KY 41472

Ted Hampton
Cumberland Valley Electric, Inc.
Highway 25E, P.O. Box 440
Gray, KY 40734

Robert M. Marshall
Owen Electric Cooperative, Inc.
8205 Highway 127 North
P.O. Box 400
Owenton, KY 40359

Timothy C. Mosher
American Electric Power
101A Enterprise Drive
P.O. Box 5190
Frankfort, KY 40602

Barry K. Myers
Manager
Taylor County R.E.C.C.
100 West Main Street
P.O. Box 100
Campbellsville, KY 42719

G. Kelly Nuckols
Jackson Purchase Energy Corporation
2900 Irvin Cobb Drive
P.O. Box 4030
Paducah, KY 42002-4030

Anthony P. Overbey
Fleming-Mason Energy Cooperative
P.O. Box 328
Flemingsburg, KY 41041

Roy M. Palk
East Kentucky Power Cooperative, Inc.
4775 Lexington Road
P.O. Box 707
Winchester, KY 40392-0707

Bobby D. Sexton
President/General Manager
Big Sandy R.E.C.C.
504 11th Street
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Shelbyville, Kentucky 40065
Counsel for Shelby Energy Cooperative, Inc.

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

In the Matter of:

**AN ASSESSMENT OF)
KENTUCKY'S ELECTRIC)
GENERATION, TRANSMISSION)
AND DISTRIBUTION NEEDS)**

**ADMINISTRATIVE
CASE NO. 2005-00090**

RECEIVED

MAR 31 2005

**PUBLIC SERVICE
COMMISSION**

**MEADE COUNTY RURAL ELECTRIC
COOPERATIVE CORPORATION'S
RESPONSE TO THE INFORMATION REQUESTS CONTAINED
IN THE PUBLIC SERVICE COMMISSION'S ORDER OF
MARCH 10, 2005**

March 31, 2005

MEADE COUNTY ELECTRIC COOPERATIVE CORPORATION'S
RESPONSE TO THE INFORMATION REQUESTS CONTAINED IN THE PUBLIC
SERVICE COMMISSION'S ORDER OF MARCH 10, 2005
ADMINISTRATIVE CASE NO. 2005-00090

March 31, 2005

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4 **Item 1)** Provide a summary description of your utility's resource planning
5 process. This should include a discussion of generation, transmission, demand-side,
6 and distribution resource planning.

7
8 **Response)** Meade County RECC, which is involved only in distribution resource
9 planning, takes several steps in the process of forecasting loads and determining its
10 needs to provide adequate power to the public. First, a long term load forecast study is
11 performed every three years. This is done in tandem with the power supplier, Big
12 Rivers Electric Corporation. This study sees the entire distribution system as a single
13 load point, and identifies the power requirements for the next twenty years based upon
14 trends and weather patterns experienced in the previous 15 years. Demographics and
15 economic factors are also incorporated into the study.

16 Next, a long-range plan (LRP) is devised to break the system down into smaller
17 components, such as substations, feeders, and lines. Information from the long term
18 load forecast is used to help forecast the system's overall needs, but the loads and
19 needs are broken down and identified more specifically. The long-range plan is usually
20 devised for 12-20 years of use.

21
22 The third step is the compilation of a construction work plan (CWP), which is more
23 specific and detailed than the long-range plan. The CWP is usually devised for a 2-4
24 year use, and identifies substations and line sections that require forms of upgrade or
25 improvement to meet the technical criteria set by the cooperative to insure quality
26 power to each consumer.

27
28 In compiling the LRP and the CWP, a computer-based modeling software program
29 called WindMill (by MilSoft Inc.) is used. A GPS located model is supplied by Meade
30 County RECC's in-house mapping system to WindMill along with the billing data from
31 the in-house CIS (Customer Information System) that includes the demands and
32 kilowatt hour usages all of the accounts in the system. These systems are integrated
33 together to provide accurate and detailed forecasts for the system's future needs.

Witness) David Poe

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
RESPONSE TO THE INFORMATION REQUESTS CONTAINED IN THE PUBLIC
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ADMINISTRATIVE CASE NO. 2005-00090

March 31, 2005

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4 **Item 2)** Are new technologies for improving reliability, efficiency and safety
5 investigated and considered for implementation in your power generation, transmission
6 and distribution system?

7 a) If yes, discuss the new technologies that were considered in the
8 last 5 years and indicate which, if any, were implemented.

9 b) If no, explain in detail why new technologies are not considered.

10
11 **Response)** Yes.

12 a) i. As new substations are designed, built, and implemented,
13 metering and monitoring systems are integrated to allow the logging of data used for
14 future planning, remote detection of potential problems or events (such as reclosure
15 operations, regulator failures, etc.), and the possible remote operation of devices for
16 isolation purposes or the reduction of outage times.

17 ii. Approximately 5000-6000 meters have been adapted with
18 AMR (Automatic Metering Reading) modules not only to reduce the costs of reading
19 meters, but also to assist in remote detection and restoration of power outages. Plans
20 are tentative to complete the remainder of the system in the next 3-5 years.

21 iii. In 2000, Meade County RECC completed the GPS
22 location of all of the outside plant and completed the mapping program. In 2004,
23 Meade County RECC began the updating of its existing system to an ESRI based
24 platform to allow the implementation of an integrated outage management program,
25 automated staking, and a facilities maintenance program which will allow the tracking
26 and logging of device and system maintenance, including right-of-way.

27
28 **Witness)** David Poe
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MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
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Item 5) Provide actual and weather-normalized annual coincident peak demands for calendar years 2000 through 2004 disaggregated into (a) native load demand, firm and non-firm; and (b) off-system demand, firm and non-firm.

Response) Meade County RECC's entire load is native load, is considered firm load and is listed below. These system peak demands are not weather normalized. Weather normalization is usually performed during the compilation of the power requirement study, which is being devised now.

Actual Annual Coincident Peak Demands

2000: 90,880 KW
2001: 88,362
2002: 87,317
2003: 100,461
2004: 101,824

Witness) David Poe

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Item 17) Provide a summary description of your utility's existing demand-side management ("DSM") programs, which includes:

- a) Annual DSM budget;
- b) Demand and energy impacts.
- c) The currently scheduled termination dates for the programs.

Response) Meade County RECC has no formal DSM program. Meade County RECC recognizes that Big Rivers Electric Corporation provides financial participation and technical support for certain programs. See Big Rivers Electric Corporation's response to the Information Requests contained in the Public Service Commission's Order of March 10, 2005, Administrative Case No. 2005-00090, Response to Item 17.

Witness) David Poe

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
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Item 18) Provide your utility's definition of "transmission" and "distribution".

Response) Meade County RECC considers "transmission" to be the power supplier's 69 KV equipment up to the point of attachment at the distribution substation. All equipment from that point to the customer's weatherhead attachment is considered "distribution". Meade County RECC owns and operates only distribution facilities.

Witness) David Poe

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Item 19) Identify all utilities with which your utility is interconnected and the transmission capacity at all points of interconnection.

Response) Meade County RECC is an electric distribution utility that receives power from Big Rivers Electric Corporation's transmission system. Meade County RECC does not own or operate transmission facilities and consequently has no points of interconnection.

Witness) David Poe

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
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Item 20) Provide the peak hourly MW transfers into and out of each interconnection for each month of the last 5 years. Provide the date and time of each peak.

Response) Big Rivers Electric Corporation owns and operates the transmission system. This question is not applicable to Meade County RECC. Also see response to Item 19.

Witness) David Poe

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
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Item 21) Identify any areas on your utility's system where capacity constraints, bottlenecks, or other transmission problems have been experienced from January 1, 2003 until the present date. Identify all incidents of transmission problems by date and hour, with a brief narrative description of the nature of the problem. Provide the MW transfers for each of your utility's interconnections for these times.

Response) Big Rivers Electric Corporation owns and operates the transmission system. This question is not applicable to Meade County RECC.

Witness) David Poe

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
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Item 22) Provide details of any planned transmission capacity additions for the 2005 through 2025 period. If the transmission capacity additions are for existing or expected constraints, bottlenecks, or other transmission problems, identify the problem the addition is intended to address.

Response) Big Rivers Electric Corporation owns and operates the transmission system. This question is not applicable to Meade County RECC.

Witness) David Poe

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
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Item 23) Is your utility researching or considering methods of increasing transmission capacity of existing transmission routes? If yes, discuss those methods.

Response) Big Rivers Electric Corporation owns and operates the transmission system. This question is not applicable to Meade County RECC.

Witness) David Poe

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
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Item 24) Provide copies of any reports prepared by your utility or for your utility that analyze the capabilities of the transmission system to meet present and future needs for import and export of capacity.

Response) Big Rivers Electric Corporation owns and operates the transmission system. This question is not applicable to Meade County RECC.

Witness) David Poe

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
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Item 25) Provide the following transmission energy data forecast for the years 2005 through 2025.

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

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

c) Peak demand for summer and winter seasons on your transmission system.

Response) Big Rivers Electric Corporation owns and operates the transmission system. This question is not applicable to Meade County RECC.

Witness) David Poe

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
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Item 26) Provide the yearly System Average Interruption Duration Index (“SAIDI”) and the System Average Interruption Frequency Index (“SAIFI”), excluding major outages, by feeder for each distribution substation on your system for the last 5 years.

Response) See the attached documentation for the system SAIDI and SAIFI without storms and power supplier related outages for the last 5 years. Meade County RECC does not track these indices by individual substations or feeders. Meade County RECC only differentiates total outages versus those without power supplier and any storm related outages. “Major storms” are not treated differently than a smaller one. Also, any outages due to our power supplier failure are excluded from these reports.

Witness) David Poe

	CAIDI				SAIDI				SAIFI					
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	HOUR/CUSTOMER	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES
January	1,116	835	1.34	1,116	25,944	0.05	835	25,944					25,944	0.04
February	650	784	0.83	650	25,990	0.03	784	25,990					25,990	0.03
March	2,239	1,311	1.71	2,239	25,975	0.09	1,311	25,975					25,975	0.05
April	1,536	1,774	0.87	1,536	26,022	0.06	1,774	26,022					26,022	0.07
May	5,150	2,150	2.4	5,150	26,045	0.2	2,150	26,045					26,045	0.09
June	3,185	2,634	1.21	3,185	26,077	0.13	2,634	26,077					26,077	0.11
July	1,368	780	1.76	1,368	26,146	0.06	780	26,146					26,146	0.03
August	2,601	2,698	0.97	2,601	26,163	0.1	2,698	26,163					26,163	0.11
September	1,617	1,924	0.84	1,617	26,216	0.07	1,924	26,216					26,216	0.08
October	4,701	3,157	1.49	4,701	26,263	0.18	3,157	26,263					26,263	0.12
November	2,047	1,882	1.09	2,047	26,279	0.08	1,882	26,279					26,279	0.08
December	1,267	1,076	1.18	1,267	26,298	0.05	1,076	26,298					26,298	0.04
TO DATE	27,477	21,005	1.3081	27,477	26,118	1.0520	21,005	26,118					26,118	0.8042

	CAIDI				SAIDI				SAIFI			
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CUSTOMERS INTERRUPTED	CONSUMERS SERVED	CUSTOMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED
January	1,221	857	1.43	1,221	25,348	0.05	857	25,348	857	25,348	0.04	0.04
February	1,405	1,456	0.97	1,405	25,342	0.06	1,456	25,342	1,456	25,342	0.06	0.06
March	566	423	1.34	566	25,334	0.03	423	25,334	423	25,334	0.02	0.02
April	2,714	2,661	1.02	2,714	25,352	0.11	2,661	25,352	2,661	25,352	0.11	0.11
May	922	610	1.52	922	25,393	0.04	610	25,393	610	25,393	0.03	0.03
June	825	706	1.17	825	25,474	0.04	706	25,474	706	25,474	0.03	0.03
July	2,023	1,890	1.07	2,023	25,540	0.08	1,890	25,540	1,890	25,540	0.08	0.08
August	1,360	1,259	1.08	1,360	25,653	0.06	1,259	25,653	1,259	25,653	0.05	0.05
September	2,717	2,427	1.12	2,717	25,730	0.11	2,427	25,730	2,427	25,730	0.1	0.1
October	1,800	1,792	1.01	1,800	25,770	0.07	1,792	25,770	1,792	25,770	0.07	0.07
November	2,125	1,152	1.85	2,125	25,794	0.09	1,152	25,794	1,152	25,794	0.05	0.05
December	1,581	1,535	1.03	1,581	25,898	0.07	1,535	25,898	1,535	25,898	0.06	0.06
TO DATE	19,259	16,768	1.1486	19,259	25,552	0.7537	16,768	25,552	16,768	25,552	0.6562	0.6562

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	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CUSTOMERS SERVED	HOUR/CUSTOMER	CUSTOMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES
January	1,762	2,061	0.86	1,762	24,923	0.07	2,061	24,923				2,061	24,923	0.09
February	1,118	865	1.3	1,118	24,914	0.05	865	24,914				865	24,914	0.04
March	1,871	1,495	1.26	1,871	24,942	0.08	1,495	24,942				1,495	24,942	0.06
April	737	557	1.33	737	24,967	0.03	557	24,967				557	24,967	0.03
May	1,231	1,117	1.11	1,231	24,992	0.05	1,117	24,992				1,117	24,992	0.05
June	2,691	2,393	1.13	2,691	25,001	0.11	2,393	25,001				2,393	25,001	0.1
July	2,404	1,775	1.36	2,404	25,091	0.1	1,775	25,091				1,775	25,091	0.07
August	6,167	5,908	1.05	6,167	25,155	0.25	5,908	25,155				5,908	25,155	0.24
September	2,987	3,328	0.9	2,987	25,178	0.12	3,328	25,178				3,328	25,178	0.14
October	1,163	1,313	0.89	1,163	25,233	0.05	1,313	25,233				1,313	25,233	0.06
November	8,835	3,172	2.7	8,835	25,277	0.35	3,172	25,277				3,172	25,277	0.13
December	1,088	1,315	0.83	1,088	25,324	0.05	1,315	25,324				1,315	25,324	0.06
TO DATE	32,054	25,299	1.2670	32,054	25,083	1.2779	25,299	25,083				25,299	25,083	1.0086

**2001
CAIDI * SAIDI * SAIFI**

	CAIDI				SAIDI				SAIFI			
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	CONSUMERS SERVED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES
January	917	860	1.06	917	24,374	24,374	0.03	860	24,374	860	24,374	0.03
February	1,010	1,144	1.13	1,010	24,332	24,332	0.04	1,144	24,332	1,144	24,332	0.04
March	1,083	970	1.11	1,083	24,348	24,348	0.04	970	24,348	970	24,348	0.03
April	413	442	0.93	413	24,371	24,371	0.01	442	24,371	442	24,371	0.01
May	1,303	1,413	0.92	1,303	24,474	24,474	0.05	1,413	24,474	1,413	24,474	0.05
June	2,900	3,132	0.92	2,900	24,523	24,523	0.11	3,132	24,523	3,132	24,523	0.12
July	4,661	3,267	1.42	4,661	24,539	24,539	0.18	3,267	24,539	3,267	24,539	0.13
August	1,233	1,133	1.09	1,233	24,618	24,618	0.05	1,133	24,618	1,133	24,618	0.05
September	2,310	2,377	0.98	2,310	24,662	24,662	0.1	2,377	24,662	2,377	24,662	0.1
October	2,101	2,762	0.76	2,101	24,697	24,697	0.09	2,762	24,697	2,762	24,697	0.12
November	1,568	1,626	0.97	1,568	24,738	24,738	0.07	1,626	24,738	1,626	24,738	0.07
December	3,622	2,488	1.46	3,622	24,846	24,846	0.15	2,488	24,846	2,488	24,846	0.1
TO DATE	23,121	21,614	1.07	23,121	24,544	24,544	0.95	21,614	24,544	21,614	24,544	0.88

**2000
CAIDI*SAIDI*SAIFI**

	CAIDI				SAIDI				SAIFI		
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES
January	748	703	1.06	748	23,752	0.03	703	23,752	703	23,752	0.02
February	1,562	742	2.1	1,562	23,774	0.06	742	23,774	742	23,774	0.03
March	1,099	1,544	0.71	1,099	23,826	0.04	1,544	23,826	1,544	23,826	0.06
April	525	546	0.96	525	23,843	0.02	546	23,843	546	23,843	0.02
May	2,648	2,433	1.08	2,648	23,906	0.11	2,433	23,906	2,433	23,906	0.1
June	1,635	2,106	0.77	1,635	23,981	0.06	2,106	23,981	2,106	23,981	0.08
July	1,257	1,025	1.22	1,257	24,063	0.05	1,025	24,063	1,025	24,063	0.04
August	9,102	3,818	2.38	9,102	24,123	0.38	3,818	24,123	3,818	24,123	0.15
September	1,701	1,763	0.96	1,701	24,180	0.07	1,763	24,180	1,763	24,180	0.07
October	1,524	1,550	0.98	1,524	24,164	0.06	1,550	24,164	1,550	24,164	0.06
November	1,413	1,188	1.18	1,413	24,220	0.05	1,188	24,220	1,188	24,220	0.04
December	9,941	5,286	1.88	9,941	24,321	0.41	5,286	24,321	5,286	24,321	0.22
TO DATE	33,155	22,704	1.4603	33,155	24,013	1.3807	22,704	24,013	22,704	24,013	0.9455

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
RESPONSE TO THE INFORMATION REQUESTS CONTAINED IN THE PUBLIC
SERVICE COMMISSION'S ORDER OF MARCH 10, 2005
ADMINISTRATIVE CASE NO. 2005-00090
March 31, 2005

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Item 27) Provide the yearly SAIDI and SAIFI, including major outages, by feeder for each distribution substation on your system for the last 5 years. Explain how you define major outages.

Response) See the attached documentation for the system SAIDI and SAIFI with storms and power supplier related outages for the last 4 years. Meade County RECC did not track these indices with the storms and power supplier related outages in 2000. Meade County RECC has not defined "major outages", except as required for reporting outages under the Commission's regulations.

Witness) David Poe

	CAIDI				SAIDI				SAIFI			
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED
January	133,188	22,897	5.82	133,188	25,944	5.14	22,897	25,944		22,897	25,944	0.89
February	653	786	0.83	653	25,990	0.03	786	25,990		786	25,990	0.03
March	2,378	1,407	1.69	2,378	25,975	0.1	1,407	25,975		1,407	25,975	0.06
April	6,004	3,215	1.87	6,004	26,022	0.23	3,215	26,022		3,215	26,022	0.13
May	29,842	10,084	2.96	29,842	26,045	1.15	10,084	26,045		10,084	26,045	0.39
June	9,547	5,563	1.72	9,547	26,077	0.37	5,563	26,077		5,563	26,077	0.22
July	864,984	41,833	20.68	864,984	26,146	33.09	41,833	26,146		41,833	26,146	1.6
August	2,946	3,059	0.97	2,946	26,163	0.12	3,059	26,163		3,059	26,163	0.12
September	1,627	1,933	0.85	1,627	26,216	0.07	1,933	26,216		1,933	26,216	0.08
October	4,882	3,343	1.46	4,882	26,263	0.19	3,343	26,263		3,343	26,263	0.13
November	2,197	2,372	0.93	2,197	26,279	0.09	2,372	26,279		2,372	26,279	0.09
December	3,903	5,300	0.74	3,903	26,298	0.15	5,300	26,298		5,300	26,298	0.21
TO DATE	1,062,151	101,792	10.4345	1,062,151	26,118	40.6674	101,792	26,118		101,792	26,118	3.8974

* ACTUAL; INCLUDES PWR SUPPLY STORM DATA

	CAIDI				SAIDI				SAIFI			
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED
January	1,221	857	1.43	1,221	25,348	0.05	857	25,348	857	25,348	0.04	
February	8,603	4,301	2	8,603	25,342	0.34	4,301	25,342	4,301	25,342	0.17	
March	3,380	3,244	1.05	3,380	25,334	0.14	3,244	25,334	3,244	25,334	0.13	
April	3,382	3,038	1.12	3,382	25,352	0.14	3,038	25,352	3,038	25,352	0.12	
May	8,695	4,200	2.07	8,695	25,393	0.35	4,200	25,393	4,200	25,393	0.17	
June	902	819	1.11	902	25,474	0.04	819	25,474	819	25,474	0.04	
July	3,003	2,589	1.16	3,003	25,540	0.12	2,589	25,540	2,589	25,540	0.11	
August	5,083	3,272	1.56	5,083	25,653	0.2	3,272	25,653	3,272	25,653	0.13	
September	4,928	3,682	1.34	4,928	25,730	0.2	3,682	25,730	3,682	25,730	0.15	
October	1,939	1,902	1.02	1,939	25,770	0.08	1,902	25,770	1,902	25,770	0.08	
November	2,681	1,407	1.91	2,681	25,794	0.11	1,407	25,794	1,407	25,794	0.06	
December	2,944	2,028	1.46	2,944	25,898	0.12	2,028	25,898	2,028	25,898	0.08	
TO DATE	46,761	31,339	1.4921	46,761	25,552	1.8300	31,339	25,552	31,339	25,552	1.2265	

2002 CAIDI * SAIDI * SAIFI

	CAIDI					SAIDI					SAIFI					
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CUSTOMERS INTERRUPTED	CONSUMERS SERVED	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CUSTOMERS INTERRUPTED	CONSUMERS SERVED	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	CONSUMERS SERVED
January	1,954	2,273	0.86	1,954	24,923	0.08	2,273	24,923		0.08	2,273	24,923			24,923	0.1
February	1,491	1,045	0.06	1,491	24,914	0.06	1,045	24,914		0.06	1,045	24,914			24,914	0.05
March	7,936	5,318	1.5	7,936	24,942	0.32	5,318	24,942		0.32	5,318	24,942			24,942	0.22
April	5,573	3,290	1.7	5,573	24,967	0.23	3,290	24,967		0.23	3,290	24,967			24,967	0.14
May	3,877	2,467	1.58	3,877	24,992	0.16	2,467	24,992		0.16	2,467	24,992			24,992	0.1
June	2,822	2,656	1.07	2,822	25,001	0.12	2,656	25,001		0.12	2,656	25,001			25,001	0.11
July	3,062	2,216	1.39	3,062	25,091	0.13	2,216	25,091		0.13	2,216	25,091			25,091	0.09
August	11,842	11,481	1.04	11,842	25,155	0.47	11,481	25,155		0.47	11,481	25,155			25,155	0.46
September	4,605	4,136	1.12	4,605	25,178	0.19	4,136	25,178		0.19	4,136	25,178			25,178	0.17
October	3,473	3,081	1.13	3,473	25,233	0.14	3,081	25,233		0.14	3,081	25,233			25,233	0.13
November	15,070	18,523	0.82	15,070	25,277	0.6	18,523	25,277		0.6	18,523	25,277			25,277	0.74
December	2,895	1,847	1.57	2,895	25,324	0.12	1,847	25,324		0.12	1,847	25,324			25,324	0.08
TO DATE	64,600	58,333	1.11	64,600	25,083	2.58	58,333	25,083		2.58	58,333	25,083			25,083	2.33

ACTUAL
CAIDI * SAIDI * SAIFI
2001

	CAIDI				SAIDI				SAIFI			
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER		CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER		CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES	
January	1,067	900	1.18		1,067	24,374	0.04		900	24,374	0.03	
February	1,243	1,250	0.99		1,243	24,332	0.05		1,250	24,332	0.05	
March	1,083	970	1.11		1,083	24,348	0.04		970	24,348	0.03	
April	432	453	0.95		432	24,371	0.01		453	24,371	0.01	
May	1,962	1,913	1.02		1,962	24,474	0.08		1,913	24,474	0.07	
June	3,334	3,468	0.96		3,334	24,523	0.13		3,468	24,523	0.14	
July	5,411	3,839	1.4		5,411	24,539	0.22		3,839	24,539	0.15	
August	2,142	1,703	1.26		2,142	24,618	0.09		1,703	24,618	0.07	
September	3,167	2,804	1.13		3,167	24,662	0.13		2,804	24,662	0.12	
October	7,441	4,331	1.72		7,441	24,697	0.31		4,331	24,697	0.18	
November	2,404	2,200	1.1		2,404	24,738	0.1		2,200	24,738	0.09	
December	5,659	9,747	0.58		5,659	24,846	0.23		9,747	24,846	0.4	
TO DATE	35,345	33,578	1.06		35,345	24,544	1.44		33,578	24,544	1.37	

* INCLUDES DATA FROM PWR SUPPLY AND STORMS

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
RESPONSE TO THE INFORMATION REQUESTS CONTAINED IN THE PUBLIC
SERVICE COMMISSION'S ORDER OF MARCH 10, 2005
ADMINISTRATIVE CASE NO. 2005-00090
March 31, 2005

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Item 28) What is an acceptable value for SAIDI and SAIFI? Explain how it was derived.

Response) Meade County RECC does not have a specified number or level that is considered acceptable. Meade County RECC does set goals every year based upon the overall average of the previous 5 years of SAIDI, CAIDI, and SAIFI results. This "composite reliability index" is set in determining the cooperative and employee performance; however, this goal excludes power supplier and storm related outages. The goal for 2005 is 3.22.

Witness) David Poe

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
RESPONSE TO THE INFORMATION REQUESTS CONTAINED IN THE PUBLIC
SERVICE COMMISSION'S ORDER OF MARCH 10, 2005
ADMINISTRATIVE CASE NO. 2005-00090

March 31, 2005

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4 **Item 29)** Provide the yearly Customer Average Interruption Duration Index
5 (“CAIDI”) and the Customer Average Interruption Frequency Index (“CAIFI”),
6 including and excluding major outages, on your system for the last five years. What is
7 an acceptable value for CAIDI and CAIFI? Explain how it was derived.

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9 **Response)** See the attached schedule for the system CAIDI index for the last 5
10 years. Meade County RECC does not track or log the CAIFI or differentiate major
11 storms from smaller ones. Again, Meade County RECC does differentiate the outages
12 due to storms and power supplier versus the total system outages. As with SAIDI and
13 SAIFI, Meade County RECC does not determine acceptable levels or set goals for
14 CAIDI, but rather sets a reliability goal based upon the composite value of the three
15 indices. The 2005 reliability goal is 3.22 as stated in response to Item 28. As with
16 SAIDI and SAIFI, Meade County RECC did not track CAIDI in 2000 without
17 excluding the power supplier and storm caused outages.

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19 **Witness)** David Poe
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	CAIDI				SAIDI				SAIFI					
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	HOUR/CUSTOMER	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES
January	1,116	835	1.34	1,116	25,944	0.05	835	25,944			25,944		25,944	0.04
February	650	784	0.83	650	25,990	0.03	784	25,990			25,990		25,990	0.03
March	2,239	1,311	1.71	2,239	25,975	0.09	1,311	25,975			25,975		25,975	0.05
April	1,536	1,774	0.87	1,536	26,022	0.06	1,774	26,022			26,022		26,022	0.07
May	5,150	2,150	2.4	5,150	26,045	0.2	2,150	26,045			26,045		26,045	0.09
June	3,185	2,634	1.21	3,185	26,077	0.13	2,634	26,077			26,077		26,077	0.11
July	1,368	780	1.76	1,368	26,146	0.06	780	26,146			26,146		26,146	0.03
August	2,601	2,698	0.97	2,601	26,163	0.1	2,698	26,163			26,163		26,163	0.11
September	1,617	1,924	0.84	1,617	26,216	0.07	1,924	26,216			26,216		26,216	0.08
October	4,701	3,157	1.49	4,701	26,263	0.18	3,157	26,263			26,263		26,263	0.12
November	2,047	1,882	1.09	2,047	26,279	0.08	1,882	26,279			26,279		26,279	0.08
December	1,267	1,076	1.18	1,267	26,298	0.05	1,076	26,298			26,298		26,298	0.04
TO DATE	27,477	21,005	1.3081	27,477	26,118	1.0520	21,005	26,118			26,118		26,118	0.8042

	CAIDI				SAIDI				SAIFI					
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/ CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/ CUSTOMER	CUSTOMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	HOUR/ CUSTOMER	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES
January	1,221	857	1.43	1,221	25,348	0.05	857	25,348	857	0.05	25,348	857	25,348	0.04
February	1,405	1,456	0.97	1,405	25,342	0.06	1,456	25,342	1,456	0.06	25,342	1,456	25,342	0.06
March	566	423	1.34	566	25,334	0.03	423	25,334	423	0.03	25,334	423	25,334	0.02
April	2,714	2,661	1.02	2,714	25,352	0.11	2,661	25,352	2,661	0.11	25,352	2,661	25,352	0.11
May	922	610	1.52	922	25,393	0.04	610	25,393	610	0.04	25,393	610	25,393	0.03
June	825	706	1.17	825	25,474	0.04	706	25,474	706	0.04	25,474	706	25,474	0.03
July	2,023	1,890	1.07	2,023	25,540	0.08	1,890	25,540	1,890	0.08	25,540	1,890	25,540	0.08
August	1,360	1,259	1.08	1,360	25,653	0.06	1,259	25,653	1,259	0.06	25,653	1,259	25,653	0.05
September	2,717	2,427	1.12	2,717	25,730	0.11	2,427	25,730	2,427	0.11	25,730	2,427	25,730	0.1
October	1,800	1,792	1.01	1,800	25,770	0.07	1,792	25,770	1,792	0.07	25,770	1,792	25,770	0.07
November	2,125	1,152	1.85	2,125	25,794	0.09	1,152	25,794	1,152	0.09	25,794	1,152	25,794	0.05
December	1,581	1,535	1.03	1,581	25,898	0.07	1,535	25,898	1,535	0.07	25,898	1,535	25,898	0.06
TO DATE	19,259	16,768	1.1486	19,259	25,552	0.7537	16,768	25,552	16,768	0.7537	25,552	16,768	25,552	0.6562

2002 CAIDI * SAIDI * SAIFI

	CAIDI				SAIDI				SAIFI					
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	HOUR/CUSTOMER	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES
January	1,762	2,061	0.86	1,762	24,923	0.07	2,061	24,923						0.09
February	1,118	865	1.3	1,118	24,914	0.05	865	24,914						0.04
March	1,871	1,495	1.26	1,871	24,942	0.08	1,495	24,942						0.06
April	737	557	1.33	737	24,967	0.03	557	24,967						0.03
May	1,231	1,117	1.11	1,231	24,992	0.05	1,117	24,992						0.05
June	2,691	2,393	1.13	2,691	25,001	0.11	2,393	25,001						0.1
July	2,404	1,775	1.36	2,404	25,091	0.1	1,775	25,091						0.07
August	6,167	5,908	1.05	6,167	25,155	0.25	5,908	25,155						0.24
September	2,987	3,328	0.9	2,987	25,178	0.12	3,328	25,178						0.14
October	1,163	1,313	0.89	1,163	25,233	0.05	1,313	25,233						0.06
November	8,835	3,172	2.7	8,835	25,277	0.35	3,172	25,277						0.13
December	1,088	1,315	0.83	1,088	25,324	0.05	1,315	25,324						0.06
TO DATE	32,054	25,299	1.2670	32,054	25,083	1.2779	25,299	25,083						1.0086

2001
CAIDI * SAIDI * SAIFI

	CAIDI				SAIDI				SAIFI						
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES
January	917	860	1.06	917	24,374	0.03	860	24,374	860	0.03	860	24,374	860	24,374	0.03
February	1,010	1,144	1.13	1,010	24,332	0.04	1,144	24,332	1,144	0.04	1,144	24,332	1,144	24,332	0.04
March	1,083	970	1.11	1,083	24,348	0.04	970	24,348	970	0.03	970	24,348	970	24,348	0.03
April	413	442	0.93	413	24,371	0.01	442	24,371	442	0.01	442	24,371	442	24,371	0.01
May	1,303	1,413	0.92	1,303	24,474	0.05	1,413	24,474	1,413	0.05	1,413	24,474	1,413	24,474	0.05
June	2,900	3,132	0.92	2,900	24,523	0.11	3,132	24,523	3,132	0.12	3,132	24,523	3,132	24,523	0.12
July	4,661	3,267	1.42	4,661	24,539	0.18	3,267	24,539	3,267	0.13	3,267	24,539	3,267	24,539	0.13
August	1,233	1,133	1.09	1,233	24,618	0.05	1,133	24,618	1,133	0.05	1,133	24,618	1,133	24,618	0.05
September	2,310	2,377	0.98	2,310	24,662	0.1	2,377	24,662	2,377	0.1	2,377	24,662	2,377	24,662	0.1
October	2,101	2,762	0.76	2,101	24,697	0.09	2,762	24,697	2,762	0.12	2,762	24,697	2,762	24,697	0.12
November	1,568	1,626	0.97	1,568	24,738	0.07	1,626	24,738	1,626	0.07	1,626	24,738	1,626	24,738	0.07
December	3,622	2,488	1.46	3,622	24,846	0.15	2,488	24,846	2,488	0.1	2,488	24,846	2,488	24,846	0.1
TO DATE	23,121	21,614	1.07	23,121	24,544	0.95	21,614	24,544	21,614	0.88	21,614	24,544	21,614	24,544	0.88

**2000
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	CAIDI				SAIDI				SAIFI				
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES
January	748	703	1.06	748	23,752	0.03	703	23,752	703	23,752	703	23,752	0.02
February	1,562	742	2.1	1,562	23,774	0.06	742	23,774	742	23,774	742	23,774	0.03
March	1,099	1,544	0.71	1,099	23,826	0.04	1,544	23,826	1,544	23,826	1,544	23,826	0.06
April	525	546	0.96	525	23,843	0.02	546	23,843	546	23,843	546	23,843	0.02
May	2,648	2,433	1.08	2,648	23,906	0.11	2,433	23,906	2,433	23,906	2,433	23,906	0.1
June	1,635	2,106	0.77	1,635	23,981	0.06	2,106	23,981	2,106	23,981	2,106	23,981	0.08
July	1,257	1,025	1.22	1,257	24,063	0.05	1,025	24,063	1,025	24,063	1,025	24,063	0.04
August	9,102	3,818	2.38	9,102	24,123	0.38	3,818	24,123	3,818	24,123	3,818	24,123	0.15
September	1,701	1,763	0.96	1,701	24,180	0.07	1,763	24,180	1,763	24,180	1,763	24,180	0.07
October	1,524	1,550	0.98	1,524	24,164	0.06	1,550	24,164	1,550	24,164	1,550	24,164	0.06
November	1,413	1,188	1.18	1,413	24,220	0.05	1,188	24,220	1,188	24,220	1,188	24,220	0.04
December	9,941	5,286	1.88	9,941	24,321	0.41	5,286	24,321	5,286	24,321	5,286	24,321	0.22
TO DATE	33,155	22,704	1.4603	33,155	24,013	1.3807	22,704	24,013	22,704	24,013	22,704	24,013	0.9455

	CAIDI				SAIDI				SAIFI				
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES
January	133,188	22,897	5.82	133,188	25,944	5.14	22,897	25,944				25,944	0.89
February	653	786	0.83	653	25,990	0.03	786	25,990				25,990	0.03
March	2,378	1,407	1.69	2,378	25,975	0.1	1,407	25,975				25,975	0.06
April	6,004	3,215	1.87	6,004	26,022	0.23	3,215	26,022				26,022	0.13
May	29,842	10,084	2.96	29,842	26,045	1.15	10,084	26,045				26,045	0.39
June	9,547	5,563	1.72	9,547	26,077	0.37	5,563	26,077				26,077	0.22
July	864,984	41,833	20.68	864,984	26,146	33.09	41,833	26,146				26,146	1.6
August	2,946	3,059	0.97	2,946	26,163	0.12	3,059	26,163				26,163	0.12
September	1,627	1,933	0.85	1,627	26,216	0.07	1,933	26,216				26,216	0.08
October	4,882	3,343	1.46	4,882	26,263	0.19	3,343	26,263				26,263	0.13
November	2,197	2,372	0.93	2,197	26,279	0.09	2,372	26,279				26,279	0.09
December	3,903	5,300	0.74	3,903	26,298	0.15	5,300	26,298				26,298	0.21
TO DATE	1,062,151	101,792	10.4345	1,062,151	26,118	40.6674	101,792	26,118				26,118	3.8974

* ACTUAL; INCLUDES PWR SUPPLY STORM DATA

	CAIDI				SAIDI				SAIFI			
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED
January	1,221	857	1.43	1,221	25,348	0.05	857	25,348	857	25,348	0.04	0.04
February	8,603	4,301	2	8,603	25,342	0.34	4,301	25,342	4,301	25,342	0.17	0.17
March	3,380	3,244	1.05	3,380	25,334	0.14	3,244	25,334	3,244	25,334	0.13	0.13
April	3,382	3,038	1.12	3,382	25,352	0.14	3,038	25,352	3,038	25,352	0.12	0.12
May	8,695	4,200	2.07	8,695	25,393	0.35	4,200	25,393	4,200	25,393	0.17	0.17
June	902	819	1.11	902	25,474	0.04	819	25,474	819	25,474	0.04	0.04
July	3,003	2,589	1.16	3,003	25,540	0.12	2,589	25,540	2,589	25,540	0.11	0.11
August	5,083	3,272	1.56	5,083	25,653	0.2	3,272	25,653	3,272	25,653	0.13	0.13
September	4,928	3,682	1.34	4,928	25,730	0.2	3,682	25,730	3,682	25,730	0.15	0.15
October	1,939	1,902	1.02	1,939	25,770	0.08	1,902	25,770	1,902	25,770	0.08	0.08
November	2,681	1,407	1.91	2,681	25,794	0.11	1,407	25,794	1,407	25,794	0.06	0.06
December	2,944	2,028	1.46	2,944	25,898	0.12	2,028	25,898	2,028	25,898	0.08	0.08
TO DATE	46,761	31,339	1.4921	46,761	25,552	1.8300	31,339	25,552	31,339	25,552	1.2265	1.2265

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	CAIDI				SAIDI				SAIFI				
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER	CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES
January	1,954	2,273	0.86	1,954	24,923	0.08	2,273	24,923			2,273	24,923	0.1
February	1,491	1,045	0.06	1,491	24,914	0.06	1,045	24,914			1,045	24,914	0.05
March	7,936	5,318	1.5	7,936	24,942	0.32	5,318	24,942			5,318	24,942	0.22
April	5,573	3,290	1.7	5,573	24,967	0.23	3,290	24,967			3,290	24,967	0.14
May	3,877	2,467	1.58	3,877	24,992	0.16	2,467	24,992			2,467	24,992	0.1
June	2,822	2,656	1.07	2,822	25,001	0.12	2,656	25,001			2,656	25,001	0.11
July	3,062	2,216	1.39	3,062	25,091	0.13	2,216	25,091			2,216	25,091	0.09
August	11,842	11,481	1.04	11,842	25,155	0.47	11,481	25,155			11,481	25,155	0.46
September	4,605	4,136	1.12	4,605	25,178	0.19	4,136	25,178			4,136	25,178	0.17
October	3,473	3,081	1.13	3,473	25,233	0.14	3,081	25,233			3,081	25,233	0.13
November	15,070	18,523	0.82	15,070	25,277	0.6	18,523	25,277			18,523	25,277	0.74
December	2,895	1,847	1.57	2,895	25,324	0.12	1,847	25,324			1,847	25,324	0.08
TO DATE	64,600	58,333	1.11	64,600	25,083	2.58	58,333	25,083			58,333	25,083	2.33

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	CAIDI				SAIDI				SAIFI			
	CUSTOMER INTERRUPT. DURATION	CUSTOMERS INTERRUPTED	HOUR/CUSTOMER		CUSTOMER INTERRUPT. DURATION	CONSUMERS SERVED	HOUR/CUSTOMER		CONSUMERS INTERRUPTED	CONSUMERS SERVED	OUTAGE TIMES	
January	1,067	900	1.18		1,067	24,374	0.04		900	24,374	0.03	
February	1,243	1,250	0.99		1,243	24,332	0.05		1,250	24,332	0.05	
March	1,083	970	1.11		1,083	24,348	0.04		970	24,348	0.03	
April	432	453	0.95		432	24,371	0.01		453	24,371	0.01	
May	1,962	1,913	1.02		1,962	24,474	0.08		1,913	24,474	0.07	
June	3,334	3,468	0.96		3,334	24,523	0.13		3,468	24,523	0.14	
July	5,411	3,839	1.4		5,411	24,539	0.22		3,839	24,539	0.15	
August	2,142	1,703	1.26		2,142	24,618	0.09		1,703	24,618	0.07	
September	3,167	2,804	1.13		3,167	24,662	0.13		2,804	24,662	0.12	
October	7,441	4,331	1.72		7,441	24,697	0.31		4,331	24,697	0.18	
November	2,404	2,200	1.1		2,404	24,738	0.1		2,200	24,738	0.09	
December	5,659	9,747	0.58		5,659	24,846	0.23		9,747	24,846	0.4	
TO DATE	35,345	33,578	1.06		35,345	24,544	1.44		33,578	24,544	1.37	

* INCLUDES DATA FROM PWR SUPPLY AND STORMS

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
RESPONSE TO THE INFORMATION REQUESTS CONTAINED IN THE PUBLIC
SERVICE COMMISSION'S ORDER OF MARCH 10, 2005
ADMINISTRATIVE CASE NO. 2005-00090
March 31, 2005

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Item 30) Identify and describe all reportable distribution outages from January 1, 2003 until the present date. Categorize the causes and provide the frequency of occurrence for each cause category.

Response) Attached is a summary of all outages, including outages beyond those required to be reported under Commission regulations, from January 1, 2003 through February 2005. The categories of cause are self-explanatory and the data is the measured number of occurrences and hours.

Witness) David Poe

Month: December Outage Summary Year: 2003

	Power Supply	Pre-Arranged	Trees <u>in</u> Right-of-Way	Trees <u>out</u> of Right-of-Way	Storms, rain, etc.	Line Hardware	Sectionalizing Devices	Birds and Animals	Transformers	Conductor	Broken Pole	Pulled Guy	Insulators	Others	Total
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Number of Outages															
This Month	0	12	2	5	3	1	6	24	10	16	0	0	0	17	96
1 Yr Ago	0	7	5	0	21	1	4	7	3	8	1	0	0	9	66
Yr-to-Date	1	164	39	55	476	16	67	183	123	88	9	0	11	155	1387
1 Yr Ago-to-Date	12	124	59	58	464	32	98	302	121	70	7	1	6	182	1536

Consumer Outage Hours															
This Month	0	113	62	53	1363	1	23	151	11	1022	0	0	0	145	2944
1 Yr Ago	0	60	181	0	1807	2	19	112	26	87	260	0	0	341	2895
Yr-to-Date	2792	1094	1034	1286	24710	466	1333	2696	573	2605	577	0	510	7085	46761
1 Yr Ago-to-Date	11573	1207	2329	875	20973	409	2675	8771	386	1464	1019	2	208	12709	64600

Average Outage Hours Per Consumer															
This Month	0	0.0044	0.0024	0.002	0.0526	0.0000	0.0009	0.0058	0.0004	0.0395	0	0	0	0.0056	0.1137
1 Yr Ago	0	0.0023	0.0070	0	0.0698	0.0001	0.0007	0.0043	0.0010	0.0034	0.0100	0	0	0.0132	0.1118
Yr-to-Date	0.1078	0.0422	0.0399	0.0497	0.9541	0.0180	0.0515	0.1041	0.0221	0.1006	0.0223	0	0.0197	0.2736	1.8056
1 Yr Ago-to-Date	0.4570	0.0477	0.0920	0.0346	0.8282	0.0162	0.1056	0.3464	0.0152	0.0578	0.0402	0.0001	0.0082	0.5019	2.5509

Number of consumers served this month: **25,898**
Actual number of consumers affected by service interruption(s) this month: **2,028**
 Weighted Average number of consumers served this Year-to-Date: **25,552**

Outage Summary

Year: 2004

Month: December

	Power Supply	Pre-Arranged	Trees <u>in</u> Right-of-Way	Trees <u>out</u> of Right-of-Way	Storms, rain, etc.	Line Hardware	Sectionalizing Devices	Birds and Animals	Transformers	Conductor	Broken Pole	Pulled Guy	Insulators	Others	Total
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Number of Outages

This Month	0	5	3	5	20	2	1	4	7	11	0	0	0	9	67
1 Yr Ago	0	12	2	5	3	1	6	24	10	16	0	0	0	17	96
Yr-to-Date	20	174	51	67	1137	18	76	365	92	64	7	2	9	184	2266
1 Yr Ago-to-Date	1	164	39	55	476	16	67	183	123	88	9	0	11	155	1387

Consumer Outage Hours

This Month	0	16	323	242	2636	4	1	13	13	568	0	0	0	87	3903
1 Yr Ago	0	113	62	53	1363	1	23	151	11	1022	0	0	0	145	2944
Yr-to-Date	339999	1563	1623	4499	694675	232	1185	6636	444	2432	151	19	468	8225	1062151
1 Yr Ago-to-Date	2792	1094	1034	1286	24710	466	1333	2696	573	2605	577	0	510	7085	46761

Average Outage Hours Per Consumer

This Month	0	0.0006	0.0123	0.0092	0.1002	0.0002	0.0000	0.0005	0.0005	0.0216	0	0	0	0.0033	0.1484
1 Yr Ago	0	0.0043	0.0024	0.002	0.0518	0.0000	0.0009	0.0057	0.0004	0.0389	0	0	0	0.0055	0.1119
Yr-to-Date	12.9287	0.0594	0.0617	0.1711	26.4155	0.0088	0.0451	0.2523	0.0169	0.0925	0.0057	0.0007	0.0178	0.3128	40.3890
1 Yr Ago-to-Date	0.1078	0.0422	0.0399	0.0497	0.9541	0.0180	0.0515	0.1041	0.0221	0.1006	0.0223	0	0.0197	0.2736	1.8056

Number of consumers served this month:
Actual number of consumers affected by service interruption(s) this month: 26,298
 Weighted Average number of consumers served this Year-to-Date: 5,300

26,298
 5,300
 26,118

	Power Supply	Pre-Arranged	Trees <u>in</u> Right-of-Way	Trees <u>out</u> of Right-of-Way	Storms, rain, etc.	Line Hardware	Sectionalizing Devices	Birds and Animals	Transformers	Conductor	Broken Pole	Pulled Guy	Insulators	Other/Unknown	Total
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Number of Outages															
This Month	0	10	0	2	0	2	0	6	5	4	0	0	0	7	36
1 Yr Ago	0	20	0	2	1	1	7	22	4	2	1	0	0	12	72
Yr-to-Date	0	15	1	6	16	5	3	10	8	8	0	0	0	21	93
1 Yr Ago-to-Date	4	37	5	5	208	5	12	36	15	8	2	0	0	21	358

Consumer Outage Hours															
This Month	0	93	0	3	0	235	0	39	15	188	0	0	0	193	766
1 Yr Ago	0	118	0	5	3	9	130	253	13	7	2	0	0	113	653
Yr-to-Date	0	154	1	255	1257	371	16	56	19	386	0	0	0	369	2884
1 Yr Ago-to-Date	32242	197	309	29	99833	53	205	378	60	341	7	0	0	187	133841

Average Outage Hours Per Consumer															
This Month	0	0.0035	0	0.0001	0	0.0089	0	0.0015	0.0006	0.0071	0	0	0	0.0073	0.0291
1 Yr Ago	0	0.0045	0	0.0002	0.0001	0.0003	0.0050	0.0097	0.0005	0.0003	0.0001	0	0	0.0043	0.0251
Yr-to-Date	0	0.0058	0.0000	0.0097	0.0477	0.0141	0.0006	0.0021	0.0007	0.0147	0	0	0	0.0140	0.1095
1 Yr Ago-to-Date	1.2406	0.0076	0.0119	0.0011	3.8412	0.0020	0.0079	0.0145	0.0023	0.0131	0.0003	0	0	0.0072	5.1497

Number of consumers served this month: **26,331**
Actual number of consumers affected by service interruption(s) this month: **545**
 Weighted Average number of consumers served this Year-to-Date: **26,339**

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
RESPONSE TO THE INFORMATION REQUESTS CONTAINED IN THE PUBLIC
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4 **Item 31)** Does your utility have a distribution and/or transmission reliability
5 improvement program?

- 6
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8 a) How does your utility measure reliability?
9
10 b) How is the program monitored?
11
12 c) What are the results of the system?
13
14 d) How are proposed improvements for reliability approved and
15 implemented?

16 **Response)** Yes, Meade County RECC reviews the distribution outage reports every
17 month and determines if there are any trends or particular components that need
18 attention.

19 a) Reliability is measured via the outage reports provided in
20 response to Data Request No. 30 and with the resulting SAIDI, SAIFI, and CAIDI
21 indices described in answers to Data Requests No. 26, 27, 28, and 29.

22 b) New outage reports and reliability indices are generated and
23 provided to key operations personnel and cooperative staff members monthly.

24 c) The reports have helped to identify trends of outage causes and
25 areas of concern. For example, for several years animal related outages have increased
26 while most other areas of cause have declined. Beginning a couple of years ago,
27 Meade County RECC began using off-peak work time to install animal guards on
28 transformers, reclosures, and other equipment on the system in an attempt to reduce
29 these types of interruptions.

30 d) Generally, these issues are discussed between foremen,
31 superintendents, and the Vice President of Operations during weekly foremen meetings
32 or at safety meetings. Unless the solutions involve the need of extraordinary funds,
33 decisions to correct or alleviate situations or implement solutions may be made then;

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
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otherwise, a proposal may be made to the president and the board, if necessary. The company suggestion boxes also provide another avenue for the identification for forwarding of problems and the introduction of possible solutions.

Witness) David Poe

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
RESPONSE TO THE INFORMATION REQUESTS CONTAINED IN THE PUBLIC
SERVICE COMMISSION'S ORDER OF MARCH 10, 2005
ADMINISTRATIVE CASE NO. 2005-00090
March 31, 2005

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4 **Item 32)** Provide a summary description of your utility's:

5 a) Right-of-way management program. Provide the budget for the
6
7 last 5 years.

8 b) Vegetation management program. Provide the budget for the last
9
10 5 years.

11 c) Transmission and distribution inspection program. Provide the
12
13 budget for the last 5 years.

14 **Response)** a) See response to Data Request No. 32 b) below.

15 b) Meade County RECC does not differentiate the right-of-way
16
17 (ROW) program from the vegetation management program. Attached is a summary of
18 the ROW budgets and actual expenditures for the years of 2000-2004. Additional
19 expenditures that are not included in these costs are those designated and used for a
20 cooperative employee (ROW coordinator) dedicated for the management of the ROW
21 program and his transportation expenses. These total to an annual amount of about \$75-
22 80K.

23 c) The distribution system is physically walked out and inspected by
24 Meade County RECC outside personnel biennially. One-half of the system is inspected
25 each year. However, the costs of performing such inspections are not tracked
26 specifically; those costs are included in the maintenance cost for the system. The
27 inspections are usually performed during the winter months when other work is at a
28 slower pace. Substations and downline regulators are inspected monthly. Substation
29 infrared inspections and substation transformer oil analysis are performed annually.

30
31 **Witness)** David Poe
32
33

Budgets and Actual Expenditures of Meade County RECC Right-of-Way Program for 2000 - 2004

	Budget		Cooperative Budget Total	Actual		Cooperative Actual Total
	Hardinsburg	Brandenburg		Hardinsburg	Brandenburg	
2004						
Service orders	\$54,855	\$54,853	\$109,708	\$41,168	\$58,595	\$99,763
Contract cutting						
Hourly cutting	\$482,728	\$228,064	\$710,792	\$346,179	\$256,396	\$602,575
Trade-a-tree	\$500	\$500	\$1,000	\$37	\$85	\$122
Chemical spraying	\$68,545	\$69,455	\$138,000	\$54,918	\$43,000	\$97,918
Total	\$606,628	\$352,872	\$959,500	\$442,302	\$358,076	\$800,378
2003						
Service orders	\$40,199	\$54,778	\$94,977	\$48,102	\$47,340	\$95,442
Contract cutting						
Hourly cutting	\$456,984	\$324,216	\$781,200	\$396,131	\$245,394	\$641,525
Trade-a-tree	\$500	\$500	\$1,000	\$500	\$500	\$1,000
Chemical spraying	\$32,750	\$33,360	\$66,110	\$27,839	\$21,368	\$49,207
Total	\$530,433	\$412,854	\$943,287	\$472,572	\$314,602	\$787,174
2002						
Service orders	\$65,496	\$65,496	\$130,992	\$33,597	\$56,780	\$90,377
Contract cutting		\$134,790	\$134,790		\$89,860	\$89,860
Hourly cutting	\$149,220	\$119,268	\$268,488	\$125,521	\$181,086	\$306,607
Trade-a-tree	\$500	\$500	\$1,000		\$396	\$396
Chemical spraying	\$21,000	\$21,000	\$42,000	\$8,003	\$38,798	\$46,801
Total	\$236,216	\$341,054	\$577,270	\$167,121	\$366,920	\$534,041
2001						
Service orders	\$102,456	\$102,456	\$204,912	\$64,470	\$55,065	\$119,535
Contract cutting						
Hourly cutting	\$97,656	\$97,656	\$195,312	\$96,771	\$218,475	\$315,246
Trade-a-tree	\$455	\$455	\$910		\$660	\$660
Chemical spraying	\$20,000	\$57,240	\$77,240	\$18,883	\$46,145	\$65,028
Total	\$220,567	\$257,807	\$478,374	\$180,124	\$320,345	\$500,469
2000						
Service orders	\$18,960	\$18,960	\$37,920			
Contract cutting						
Hourly cutting	\$109,800	\$109,800	\$219,600			
Trade-a-tree	\$500	\$500	\$1,000			
Chemical spraying	\$140,000	\$140,000	\$280,000			
Total	\$269,260	\$269,260	\$538,520			\$391,332

MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
RESPONSE TO THE INFORMATION REQUESTS CONTAINED IN THE PUBLIC
SERVICE COMMISSION'S ORDER OF MARCH 10, 2005
ADMINISTRATIVE CASE NO. 2005-00090
March 31, 2005

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5 **Item 33)** Explain the criteria your utility uses to determine if pole or conductor
6 replacement is necessary. Provide costs/budgets for transmission and distribution
7 facilities replacement for the years 2000 through 2025.

8 **Response)** During the biennial system inspections, each pole is "sounded" with a
9 hammer and then probed with a sharp instrument at the base of the pole to determine
10 its stability. A visual inspection is also performed on the pole, wire, and hardware.
11 These tests help the personnel to determine whether the pole and conductor need any
12 corrective action such as pole replacement.

13
14 In determining larger-scaled line upgrades and pole or conductor replacements, the
15 outage information and Construction Work Plan (CWP) are used. No set limits or
16 thresholds on the outage data are set to trigger or initiate such projects. The data is
17 reviewed monthly and close communications with the front line personnel identifies
18 potential problems such as lines that require replacement or upgrades.

19 Included below are the expenditures for pole replacements and line
20 upgrade/replacement for 2000-2004. The budget for future years is not set this far in
21 advance; Meade County RECC is in the last days of a three-year CWP. The CWP
22 usually set those budgets for the life of that CWP, but the LRP does not address the
23 money need for pole replacements or for line replacements identified due to outage
24 information. The last two years had fewer conductor/pole replacement/upgrades than
25 usual due to accelerated work performed on substation upgrades and construction.
26 However, Meade County RECC anticipates the rate of system improvements and
27 replacements to return to bear the same rate as experienced in 2001 and 2002.
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MEADE COUNTY RURAL ELECTRIC COOPERATIVE CORPORATION'S
RESPONSE TO THE INFORMATION REQUESTS CONTAINED IN THE PUBLIC
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	Pole Replacement	Conductor/Pole
	Costs	Replacement/Upgrades
2000	\$ 442,441	\$ 458,656
2001	772,690	1,078,061
2002	612,190	1,767,208
2003	666,078	566,950
2004	656,947	375,498

Witness) David Poe