



FLEMING-MASON ENERGY
COOPERATIVE, INC.

P.O. Box 328 • FLEMINGSBURG, KENTUCKY 41041 • (606) 845-2661 • FAX (606) 845-1008

March 25, 2009

John Shupp
Electric Branch Manager
Engineering Division
Public Service Commission
P.O. Box 615
Frankfort, KY 40602-0615

RECEIVED

MAR 27 2009

PUBLIC SERVICE
COMMISSION

Dear Mr. Shupp:

Enclosed is the Annual Reliability Report of Fleming Mason Energy requested by the Public Service Commission's Order dated October 26, 2007 for Case No. 2006-00494.

If you have any questions or comments, please contact the office at, 1-800-464-3144 or by email at bhunt@fmenergy.

Sincerely,

A handwritten signature in cursive script that reads "Brandon Hunt".

Brandon Hunt
System Engineer

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	<u>FLEMING-MASON ENERGY</u>
REPORT PREPARED BY	1.2	<u>BRANDON HUNT</u>
E-MAIL ADDRESS OF PREPARER	1.3	<u>bhunt@fme.coop</u>
PHONE NUMBER OF PREPARER	1.4	<u>606-845-2661</u>

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	<u>2008</u>
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SECTION 3: MAJOR EVENT DAYS

T_{MED}	3.1	<u>5.956</u>
FIRST DATE USED TO DETERMINE T_{MED}	3.2	<u>1/1/2003</u>
LAST DATE USED TO DETERMINE T_{MED}	3.3	<u>12/31/2007</u>
NUMBER OF MED IN REPORT YEAR	3.4	<u>2</u>

NOTE: Per IEEE 1366 T_{MED} should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

SECTION 4: SYSTEM RELIABILITY RESULTS

Excluding MED

SAIDI	4.1	<u>45.86</u>
SAIFI	4.2	<u>0.299</u>
CAIDI	4.3	<u>153.1</u>

Including MED (Optional)

SAIDI	4.4	<u>58</u>
SAIFI	4.5	<u>0.366</u>
CAIDI	4.6	<u>158.42</u>

Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
 - 2) Reports are due on the first business day of April of each year
 - 3) Reports cover the calendar year ending in the December before the reports are due.
 - 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI, and T_{MED}
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SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION	SAIDI VALUE	CAUSE CODE DESCRIPTION	SAIFI VALUE
Transformer Fuse 5.1.1	2.04	Transformer Fuse 5.2.1	0.0149
Line Fuse 5.1.2	3.74	Line Fuse 5.2.2	0.026
Equipment Failure 5.1.3	3.6	Equipment Failure 5.2.3	0.024
Animal 5.1.4	0.43	Animal 5.2.4	0.005
Connections 5.1.5	1.88	Connections 5.2.5	0.024
Tree 5.1.6	21.05	Tree 5.2.6	0.134
Weather 5.1.7	6.66	Weather 5.2.7	0.032
Bad Pole 5.1.8	3.91	Bad Pole 5.2.8	0.014
Man Made 5.1.9	1.19	Man Made 5.2.9	0.0036
Unknown 5.1.10	5.17	Unknown 5.2.10	0.04

SECTION 6: WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER	SAIDI VALUE	MAJOR OUTAGE CATEGORY
Charters 4 6.1.1	3.87	Tree
Murphysville 1 6.1.2	2.25	Tree
Charters 3 6.1.3	1.93	Equipment Failure
Hillsboro 3 6.1.4	1.25	Line Fuse
Murphysville 2 6.1.5	1.12	Bad Pole
Hilda 2 6.1.6	1.09	Tree
Maysville 3 6.1.7	0.76	Bad Pole
Peasticks 3 6.1.8	0.56	Bad Pole
Flemingsburg 3 6.1.9	0.553	Transformer Fuse
Flemingsburg 2 6.1.10	0.55	Equipment Failure

CIRCUIT IDENTIFIER	SAIFI VALUE	MAJOR OUTAGE CATEGORY
Charters 4 6.2.1	0.13	Tree
Murphysville 1 6.2.2	0.1	Tree
Murphysville 2 6.2.3	0.075	Bad Pole
Charters 3 6.2.4	0.064	Equipment Failure
Hilda 2 6.2.5	0.048	Tree
Mayville 3 6.2.6	0.033	Bad Pole
Sharkey 4 6.2.7	0.031	Line Fuse
Flemingsburg 2 6.2.8	0.029	Equipment Failure
Rectorville 3 6.2.9	0.029	Tree
Peasticks 3 6.2.10	0.025	Bad Pole

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Additional pages may be attached as necessary

SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

Vegetation Management Plan is attached.

SECTION 8: UTILITY COMMENTS

None.

FLEMING MASON ENERGY

Proposed Right of Way Clearing Cycle

	Substation	Mileage
2008	Peasticks	270
	Plummers Landing (Blue Bank)	59
	Flemingsburg (Indian Fields, Helena, Underbuild)	125
	TOTAL	454
2009	Flemingsburg (Cowan, Tilton)	259
	Murphysville (Bluelicks, Stonewall)	308
	TOTAL	567
2010	Snow Hill	237
	Murphysville (Barret Pike, Strodes Run)	55
	Maysville	107
	Rectorville (Owl Hollow, Tollesboro)	146
	TOTAL	545
2011	Rectorville (Plumville)	71
	Charters (Burtonville, Vanceburg, Holly)	315
	TOTAL	386
2012	Charters (Tollesboro)	116
	Sharkey	107
	Oak Ridge	200
	Hilda (Interchange, Pine Hills, Blue Stone)	93
	TOTAL	516
2013	Hilda (Cranston)	65
	Hillsboro	344
	Plummers Landing (Muses Mill, Hillsboro)	102
	TOTAL	511

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PROPOSED HOT SPOT CYCLE

	SUBSTATION	MILEAGE
2009	Sharkey	107
	Charters	431
	Oak Ridge	200
	Rectorville (Plumville)	71
	Hilda (Cranston)	65
	Plummers Landing(Muses, Hillsboro)	102
	TOTAL	976
2010	Hillsboro	344
	Peasticks	270
	Plummers Landing(Bluebank)	59
	Flemingsburg(Indian Fields,Helena, Underbuild)	125
	Hilda (Interchange,Pine Hils,Bluestone)	93
	TOTAL	891
2011	Flemingsburg(Cowan, Tilton)	259
	Murphysville(Bluelicks, Stonewall)	308
	Charters	431
	TOTAL	998
2012	Snow Hill	237
	Murphysville(Barret Pike, Strodes Run)	55
	Maysville	107
	Rectorville	217
	Sharkey	107
	Oak Ridge	200
	Hilda(Cranston)	65
	Plummers Landing(Muses, Hillsboro)	102
TOTAL	1090	

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Proposed Right of Way Spraying Cycle

	Substation	Mileage
2008	Hillsboro (Grange City, Sherburne, Ringos)	270
	Plummers Landing	160
	Snow Hill	237
	Murphysville	362
	Maysville	105
	TOTAL	1134
2009	Peasticks	270
	Hilda	157
	Oak Ridge (Burtonville, Petersville)	96
	Flemingsburg (Cowan)	104
	Charters (Burtonville, Vanceburg)	161
	TOTAL	788
2010	Sharkey	105
	Oak Ridge (Mt. Carmel)	104
	Rectorville	217
	Charters (Tollesboro, Holly)	271
	Hillsboro (Poplar Plains)	73
	Flemingsburg (Tilton, Helena, Underbuild)	206
TOTAL	976	