SECTION 1: CONTACT INFORMATION

UTILITY NAME REPORT PREPARED BY E-MAIL ADDRESS OF PREPARER PHONE NUMBER OF PREPARER Jackson Energy Cooperative

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SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT

2022

SECTION 3: MAJOR EVENT DAYS

T
MED13.399FIRST DATE USED TO DETERMINE T
MED1/1/2022LAST DATE USED TO DETERMINE T
MED IN REPORT YEAR12/31/202266

NOTE: Per IEEE 1366 TMED should be calculated using the daily SAIDI values for the five prior years

SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

System-wide Information				
TOTAL CUS	STOMERS 53,209		TOTAL CIRCUITS 112	
		Excluding M	D	
	5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	236.0	SAIDI	280	
SAIFI	1.9500	SAIFI	2.3079	
		Including ME		
			U.	
	5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	883.0	SAIDI	636	
SAIFI	2.5600	SAIFI	2.9896	

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 May 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}

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #: 1			
1. SUBSTATION NAME AND NUMBER	Annville	3E092	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
Welchburg Egypt Rd., Annville KY 40402			
3. CIRCUIT NAME AND NUMBER	Tyr	ner F1	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
Jackson County feeding toward Tyner			
5. TOTAL CIRCUIT LENGTH (MILES)		6.5	
6. CUSTOMER COUNT FOR THIS CIRCUIT		50	
7 DATE OF LAST CIRCUIT TRIM (VM)	2018 Schedule	d for 2023	
8. LIST OUTAGE CAUSES FOR CIRCUIT AL			
NUMBERS REPRESENTED BY EACH CAUS			
	_		
	SAIDI	SAIFI	
Thunder Storm	57%	36%	
Tree/Limb out of ROW	18%	15%	
Unknown Cause	26%	49%	
	2070	1970	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		82	
10. REPORTING YEAR (SAIDI)		110	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.8378	
12. REPORTING YEAR (SAIFI)		1.22	
13. CORRECTIVE ACTION PLAN			
Jackson Energy field personnel att	empt to identify th	ne cause of every outage.	
	· · ·		
REPEAT INFORMATION FOR EAC	CH CIRCUIT EXC	CEEDING ITS 5 YEAR AVERAGE	
FOR	SAIDI AND/OR S	AIFI	
CIRCUIT #: 2			
1. SUBSTATION NAME AND NUMBER	Annville	3E092	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
Welchburg Egypt Rd., Annville KY 40402			
3. CIRCUIT NAME AND NUMBER Bond F2			
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
HWY 3630 toward Bond			
5. TOTAL CIRCUIT LENGTH (MILES)		81.3	

6. CUSTOMER COUNT FOR THIS CIRCUIT

902

7.. DATE OF LAST CIRCUIT TRIM (VM) 2017 Scheduled for 2023

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	3%	3%
Bad Connection	36%	22%
Equipment	15%	44%
Ice/Snow	0.3%	0.2%
Lightning	0.2%	0.1%
Maintenance	1%	0.5%
Scheduled	3%	2%
Squirrel	12%	8%
Thunder Storm	8%	4%
Tree/Limb out of ROW	2%	2%
Unknown Cause	13%	10%
Vines/Kudzu	3%	2%
Wind	4%	3%

 9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
 109

 10. REPORTING YEAR (SAIDI)
 119

 11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
 1.6027

 12. REPORTING YEAR (SAIFI)
 2.2849

 13. CORRECTIVE ACTION PLAN
 Equipment issues were located and corrected.

1. SUBSTATION NAME AND NUMBER	Annville	3E092		
2. SUBSTATION LOCATION (COUNTY-RO	AD-TOWN)			
Welchburg Egypt Rd., Annville KY 40402				
3. CIRCUIT NAME AND NUMBER		Greenhill F3		
4. CIRCUIT LOCATION (TOWN-ROAD-GEN	ERAL AREA)			
Greenhill Road to Sugar Camp - Moores Camp Road				
5. TOTAL CIRCUIT LENGTH (MILES)		73.9		
6. CUSTOMER COUNT FOR THIS CIRCUIT		431		
7 DATE OF LAST CIRCUIT TRIM (VM)		2021		
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE				
NUMBERS REPRESENTED BY EACH CAU	SE			

	SAIDI	SAIFI
Animal / Bird	3%	3%
Bad Connection	0.03%	0.09%

Equipment	0.06%	0.09%	
Ice/Snow	5%	8%	
Maintenance	0.1%	2%	
ROW Crew	3%	11%	
Scheduled	18%	19%	
Squirrel	0.1%	0.2%	
Thunder Storm	40%	21%	
Tree/Limb in ROW	0.1%	0.2%	
Tree/Limb out of ROW	17%	19%	
Unknown Cause	4%	9%	
Wind	10%	7%	
9. CIRCUIT 5 YEAR AVERAGE (SAIE	DI)	229	
10. REPORTING YEAR (SAIDI)		489	
11. CIRCUIT 5 YEAR AVERAGE (SAI	FI)	1.7886	
12. REPORTING YEAR (SAIFI)		2.7239	
13. CORRECTIVE ACTION PLAN	1	None	

1. SUBSTATION NAME AND NUMBER	Annville	3E092	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
Welchburg Egypt Rd., Annville KY 40402			
3. CIRCUIT NAME AND NUMBER	Welchb	urg F5	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
Jackson County feeding toward Welchburg			
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		7.4	
6. CUSTOMER COUNT FOR THIS CIRCUIT		48	
7 DATE OF LAST CIRCUIT TRIM (VM)	2	021	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE			
NUMBERS REPRESENTED BY EACH CAUS	SE		
	SAIDI	SAIFI	
Equipment	28%	20%	
Thunder Storm	15%	20%	
Tree/Limb out of ROW	17%	20%	
Unknown Cause	40%	40%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		304	
10. REPORTING YEAR (SAIDI)		412	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		398	
12. REPORTING YEAR (SAIFI)	4.5		
13. CORRECTIVE ACTION PLAN			
· · · · · · · · · · · · · · · · · · ·			

Equipment issues were located and corrected. Jackson Energy field personnel attempt to identify the cause of every outage.

CIRCUIT #: 5		
1. SUBSTATION NAME AND NUMBER	Beattyville	03E125
2. SUBSTATION LOCATION (COUNTY-ROA		
74 Thunder Road, Beattyville, KY 41311	,	
3. CIRCUIT NAME AND NUMBER	Bear	Track F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)	
Area between HWY 52 and HWY 1144 West of		
5. TOTAL CIRCUIT LENGTH (MILES)	-	59.7
6. CUSTOMER COUNT FOR THIS CIRCUIT		630
7 DATE OF LAST CIRCUIT TRIM (VM)	2017 Sche	duled for 2023
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PERCE	ENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	E	
	SAIDI	SAIFI
Animal / Bird	0.1%	0.2%
Equipment	0.3%	0.4%
Ice/Snow	0.2%	0.1%
Lightning	0.03%	0.1%
Maintenance	1%	1%
Squirrel	1%	3%
Thunder Storm	38%	31%
Tree/Limb in ROW	1%	1%
Tree/Limb out of ROW	5%	6%
Unknown Cause	46%	53%
Wind	8%	4%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		162
10. REPORTING YEAR (SAIDI)		338
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.5662
12. REPORTING YEAR (SAIFI)		2.9651
13. CORRECTIVE ACTION PLAN		
Equipment issues were located and	d corrected.	

1. SUBSTATION NAME AND NUMBER	Beattyville	03E125	
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)			
74 Thunder Road, Beattyville, KY 41311			
3. CIRCUIT NAME AND NUMBER	Zoe F2		
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)			

Along HWY 11 toward Zoe		
5. TOTAL CIRCUIT LENGTH (MILES)		62
6. CUSTOMER COUNT FOR THIS CIRCUIT		481
7 DATE OF LAST CIRCUIT TRIM (VM)		2018
8. LIST OUTAGE CAUSES FOR CIRCUIT ALO	NG WITH PERCE	NTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE		
	SAIDI	SAIFI
Equipment	0.3%	1%
Ice/Snow	0.4%	0.4%
Maintenance	1%	4%
Scheduled	10%	8%
Squirrel	3%	7%
Thunder Storm	9%	6%
Tree/Limb out of ROW	36%	36%
Unknown Cause	6%	8%
Vines/Kudzu	0.1%	0.2%
Wind	33%	29%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		168
10. REPORTING YEAR (SAIDI)		401
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.2308		.2308
12. REPORTING YEAR (SAIFI)	2	.7672
13. CORRECTIVE ACTION PLAN		
Jackson Energy attempts to identify	and remove trees	that pose an
outage risk but are located outside o	f the Right-of-Way	/ (ROW).
CIRCUIT #: 7		
1. SUBSTATION NAME AND NUMBER	Beattyville	03E125
2. SUBSTATION LOCATION (COUNTY-ROAD	-TOWN)	
74 Thunder Road, Beattyville, KY 41311		
3. CIRCUIT NAME AND NUMBER	St. He	elens F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENER)	AL AREA)	
St. Helens, Big Andy Ridge, Primrose		
5. TOTAL CIRCUIT LENGTH (MILES)		120.3
6. CUSTOMER COUNT FOR THIS CIRCUIT		723
7 DATE OF LAST CIRCUIT TRIM (VM)		2019
8. LIST OUTAGE CAUSES FOR CIRCUIT ALO	NG WITH PERCE	NTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE		
	SAIDI	SAIFI
	0 10/	0.10/

0.1%

0.04%

2%

0.1%

4%

0.04%

Animal / Bird

Equipment

Bad Connection

Ice/Snow	1%	0.4%
Lightning	0.2%	0.3%
Maintenance	2%	5%
Squirrel	1%	1%
Thunder Storm	40%	22%
Tree/Limb in ROW	0.1%	0.1%
Tree/Limb out of ROW	29%	40%
Unknown Cause	2%	3%
Vehicles/Heavy Equipment	10%	15%
Wind	13%	9%
Woodcutter	0.3%	0.1%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	Ę	548
10. REPORTING YEAR (SAIDI)	7	778
11. CIRCUIT 5 YEAR AVERAGE (S <mark>AIFI)</mark>	3.76	532
12. REPORTING YEAR (SAIFI)	6.37	707

12. REPORTING YEAR (SAIFI)	6.3707	
13. CORRECTIVE ACTION PLAN		
Jackson Energy attempts to identify and remove trees that pose an		
outage risk but are located outside of the Right-of-Way (ROW).		

1. SUBSTATION NAME AND NUMBER	Beattyville	03E125	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
74 Thunder Road, Beattyville, KY 41311			
3. CIRCUIT NAME AND NUMBER	Hei	delberg F4	
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)		
HWY 52, HWY 11 and across hills to Heidelberg	g		
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		87.7	
6. CUSTOMER COUNT FOR THIS CIRCUIT		688	
7 DATE OF LAST CIRCUIT TRIM (VM)	2017 Scl	neduled for 2023	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PER	CENTAGE OF TOTAL OUT	ΓAGE
NUMBERS REPRESENTED BY EACH CAUS	E		

	SAIDI	SAIFI
Animal / Bird	2%	2%
Equipment	9%	3%
Ice/Snow	1%	1%
Lightning	0.3%	0.3%
Maintenance	2%	12%
Other Utilities	0.3%	0.5%
Scheduled	9%	6%
Squirrel	3%	4%
Thunder Storm	16%	8%
Tree/Limb in ROW	1%	2%

Tree/Limb out of ROW	7%	4%
Unknown Cause	11%	29%
Vehicles/Heavy Equipment	1%	1%
Vines/Kudzu	4%	3%
Wind	34%	24%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	302
10. REPORTING YEAR (SAIDI)	458
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.7224
12. REPORTING YEAR (SAIFI)	4.6526
13. CORRECTIVE ACTION PLAN	
Jackson Energy field personne	l attempt to identify the cause of every outage.

1. SUBSTATION NAME AND NUMBER	Big Creek	03E102
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
100 North Hwy. 66, Manchester, KY 40962		
3. CIRCUIT NAME AND NUMBER	Jack	s Creek F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)	
HWY 66 to Hector Road and Joe Gilbert Road		
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		26
6. CUSTOMER COUNT FOR THIS CIRCUIT		173
7 DATE OF LAST CIRCUIT TRIM (VM)	2018 Sche	eduled for 2023
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PERCI	ENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	E	
	SAIDI	SAIFI
Equipment	1%	0.4%
Lightning	14%	18%
Scheduled	7%	7%
Squirrel	1%	1%
Thunder Storm	24%	22%
Tree/Limb in ROW	4%	3%
Tree/Limb out of ROW	23%	26%
Unknown Cause	0.1%	0.1%
Vines/Kudzu	1%	1%
Wind	21%	18%
Woodcutter	3%	3%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		405
10. REPORTING YEAR (SAIDI)		556
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		3.3795

12. REPORTING YEAR (SAIFI)

5.2543

13. CORRECTIVE ACTION PLAN

Jackson Energy attempts to identify and remove trees that pose an

outage risk but are located outside of the Right-of-Way (ROW).

CIRCUIT #: 10		
1. SUBSTATION NAME AND NUMBER	Big Creek	03E102
2. SUBSTATION LOCATION (COUNTY-ROAD	D-TOWN)	
100 North Hwy. 66, Manchester, KY 40962		
3. CIRCUIT NAME AND NUMBER	E	Bear Branch F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)	
East along HWY 421 in Big Creek Area		
5. TOTAL CIRCUIT LENGTH (MILES)		12.1
6. CUSTOMER COUNT FOR THIS CIRCUIT		180
7 DATE OF LAST CIRCUIT TRIM (VM)		2019
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PE	RCENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	E	
	SAIDI	SAIFI
Animal / Bird	0.3%	
Equipment	10%	
Thunder Storm	37%	
Tree/Limb in ROW	3%	
Tree/Limb out of ROW	24%	
Wind	25%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		272
10. REPORTING YEAR (SAIDI)		295
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.8044
12. REPORTING YEAR (SAIFI)		1.6111
13. CORRECTIVE ACTION PLAN	1	None
		005400
1. SUBSTATION NAME AND NUMBER	Big Creek	03E102
2. SUBSTATION LOCATION (COUNTY-ROAI	D-TOWN)	
100 North Hwy. 66, Manchester, KY 40962	_	
3. CIRCUIT NAME AND NUMBER		Flat Creek F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	KAL AREA)	
HWY 421 and Big Creek Road		
5. TOTAL CIRCUIT LENGTH (MILES)		53.1
6. CUSTOMER COUNT FOR THIS CIRCUIT		499

7.. DATE OF LAST CIRCUIT TRIM (VM)

2022

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	1%	1%
Bad Connection	0.01%	0.04%
Equipment	1%	1%
Ice/Snow	3%	2%
Maintenance	1%	1%
Other Utilities	1%	1%
Scheduled	1%	1%
Thunder Storm	23%	24%
Tree/Limb in ROW	18%	13%
Tree/Limb out of ROW	34%	35%
Unknown Cause	2%	2%
Vehicles/Heavy Equipment	0.03%	0.1%
Vines/Kudzu	1%	1%
Wind	16%	18%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	668
10. REPORTING YEAR (SAIDI)	1029
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.9515
12. REPORTING YEAR (SAIFI)	4.479
13. CORRECTIVE ACTION PLAN	
Jackson Energy attempts to identif	y and remove trees that pose an
outage risk but are located outside	of the Right-of-Way (ROW).

1. SUBSTATION NAME AND NUMBER Boone	ville 03E056
2. SUBSTATION LOCATION (COUNTY-ROAD-TOW	N)
Kash Brandenburg Cemetery Rd., Bonneville, KY 4131	4
3. CIRCUIT NAME AND NUMBER	Scoville F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AR	EA)
Feeding City of Booneville and Southwest along HWY	11 toward South Fork
5. TOTAL CIRCUIT LENGTH (MILES)	43.2
6. CUSTOMER COUNT FOR THIS CIRCUIT	584
7 DATE OF LAST CIRCUIT TRIM (VM)	2020
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WI	TH PERCENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE	

	SAIDI	SAIFI
Equipment	20%	27%
Ice/Snow	0.2%	0.05%

Lightning	0.1%	0.2%
Maintenance	1%	0.3%
Scheduled	2%	0.5%
Squirrel	1%	2%
Thunder Storm	5%	2%
Tree/Limb out of ROW	41%	34%
Unknown Cause	29%	33%
Vines/Kudzu	0.4%	0.3%
Wind	1%	1%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	:	256
10. REPORTING YEAR (SAIDI)	:	316
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.3	156
12. REPORTING YEAR (SAIFI)	3.5	325
13. CORRECTIVE ACTION PLAN		
Jackson Energy attempts to identi	fy and remove trees th	at pose an
outage risk but are located outside	e of the Right-of-Way (I	ROW).

CIRCUIT #: 13

1. SUBSTATION NAME AND NUMBER	Brodhead	03S082	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
Hwy 1505, Brodhead, KY 40409			
3. CIRCUIT NAME AND NUMBER	Orl	ando F2	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
Southeast of Brodhead toward Mt Vernon and	Renfro Valley		
5. TOTAL CIRCUIT LENGTH (MILES)		58.4	
6. CUSTOMER COUNT FOR THIS CIRCUIT		460	
7 DATE OF LAST CIRCUIT TRIM (VM)		2021	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE			
	-		

NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	3%	4%
Equipment	6%	12%
Maintenance	5%	8%
Scheduled	3%	11%
Squirrel	2%	2%
Thunder Storm	23%	9%
Tree/Limb out of ROW	12%	14%
Unknown Cause	16%	23%
Vines/Kudzu	2%	5%
Wind	27%	12%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	2	262

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.7616 12. REPORTING YEAR (SAIFI) 2.3152 13. CORRECTIVE ACTION PLAN None CIRCUIT #: 14 1. SUBSTATION NAME AND NUMBER Bush 03S075 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 6363 Tom Cat Trail, London, KY 40741 3. CIRCUIT NAME AND NUMBER Bush F1 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Feeding area North of 1189 along HWY 521 including Crooked Creek Country Club and Lesbas 5. TOTAL CIRCUIT LENGTH (MILES) 78.4 6. CUSTOMER COUNT FOR THIS CIRCUIT 773 7. DATE OF LAST CIRCUIT TRIM (VM) 2017 Scheduled for 2023 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird 1% 2% 3% Lightning 0.1% 0.1% Maintenance 0.3% 1% Squirrel 3% 5% Tree/Limb in ROW 6% 7% Y% 1% 29% Unknown Cause 37% 46% Wind 1% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 13648	10. REPORTING YEAR (SAIDI)		283	
I3. CORRECTIVE ACTION PLAN None INDEXTICAL PROPERTY ACTION PLAN None CIRCUIT #: 14 1. SUBSTATION NAME AND NUMBER Substation Not COUNTY-ROAD-TOWN) GB3 Tom Cat Trail, London, KY 40741 3. CIRCUIT NAME AND NUMBER Bush F1 4. CIRCUIT LENGTH (MILES) 78.4 6. CUSTOMER COUNT FOR THIS CIRCUIT 773 7 DATE OF LAST CIRCUIT TRIM (VM) 2017 Scheduled for 2023 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIDI ALIFI Animal / Bird 1% 2% Q% 3% CIRCUIT TRIM (VM) 2017 Scheduled for 2023 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Animal / Bird 1% 2%	11. CIRCUIT 5 YEAR AVERAGE (SAIFI)			
CIRCUIT #: 14 1. SUBSTATION NAME AND NUMBER Bush 03S075 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 6363 Tom Cat Trail, London, KY 40741 3. CIRCUIT NAME AND NUMBER Bush F1 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Feeding area North of 1189 along HWY 521 including Crooked Creek Country Club and Lesbas 5. TOTAL CIRCUIT LENGTH (MILES) 78.4 6. CUSTOMER COUNT FOR THIS CIRCUIT 773 7. DATE OF LAST CIRCUIT TRIM (VM) 2017 Scheduled for 2023 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Animal / Bird 1% 2% 1. gightning 0.1% 0.1% Guightning 0.1% 0.1% Squirrel 3% 5% Thunder Storm 8% 5% Tree/Limb in ROW 6% 7% 6% 7% 46% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIDI) 135 12. REPORTING YEAR (SAIDI) 1.3648 13. CORRECTIVE ACTION PLAN 1.3648	12. REPORTING YEAR (SAIFI)			
1. SUBSTATION NAME AND NUMBER Bush 03S075 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 6363 Tom Cat Trail, London, KY 40741 3. CIRCUIT NAME AND NUMBER Bush F1 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Feeding area North of 1189 along HWY 521 including Crooked Creek Country Club and Lesbas 5. TOTAL CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) 78.4 6. CUSTOMER COUNT FOR THIS CIRCUIT 773 7. DATE OF LAST CIRCUIT TRIM (VM) 2017 Scheduled for 2023 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Animal / Bird 1% 2% Customer Responsible 0.1% 0.1% Guightning 0.1% 0.1% Maintenance 0.3% 1% Squirrel 3% 5% Thunder Storm 8% 5% Theoremation of ROW 41% 29% Unknown Cause 37% 46% Wind 1% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIDI) 135 12. REPORTING YEAR (SAIDI) 13648 </td <td>13. CORRECTIVE ACTION PLAN</td> <td>None</td> <td></td>	13. CORRECTIVE ACTION PLAN	None		
1. SUBSTATION NAME AND NUMBER Bush 03S075 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 6363 Tom Cat Trail, London, KY 40741 3. CIRCUIT NAME AND NUMBER Bush F1 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Feeding area North of 1189 along HWY 521 including Crooked Creek Country Club and Lesbas 5. TOTAL CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) 78.4 6. CUSTOMER COUNT FOR THIS CIRCUIT 773 7. DATE OF LAST CIRCUIT TRIM (VM) 2017 Scheduled for 2023 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Animal / Bird 1% 2% Customer Responsible 0.1% 0.1% Guightning 0.1% 0.1% Maintenance 0.3% 1% Squirrel 3% 5% Thunder Storm 8% 5% Theoremation of ROW 41% 29% Unknown Cause 37% 46% Wind 1% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIDI) 135 12. REPORTING YEAR (SAIDI) 13648 </td <td></td> <td></td> <td></td>				
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6. CUSTOMER COUNT FOR THIS CIRCUIT 773 7 DATE OF LAST CIRCUIT TRIM (VM) 2017 Scheduled for 2023 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Animal / Bird 1% 2% Customer Responsible 0.1% 0.1% Equipment 2% 3% Lightning 0.1% 0.1% Maintenance 0.3% 1% Squirrel 3% 5% Thunder Storm 8% 5% Tree/Limb out of ROW 41% 29% Unknown Cause 37% 46% Wind 1% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIDI) 135 12. REPORTING YEAR (SAIDI) 1.1483 12. REPORTING YEAR (SAIFI) 1.3648 13. CORRECTIVE ACTION PLAN		-	•	
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8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Animal / Bird 1% 2% Customer Responsible 0.1% 0.1% Equipment 2% 3% Lightning 0.1% 0.1% Maintenance 0.3% 1% Squirrel 3% 5% Thee/Limb in ROW 6% 7% Tree/Limb out of ROW 41% 29% Unknown Cause 37% 46% Wind 1% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.1483 12. REPORTING YEAR (SAIFI) 1.3648 13. CORRECTIVE ACTION PLAN		2017 Schedul	ed for 2023	
NUMBERS REPRESENTED BY EACH CAUSEAnimal / BirdSAIDISAIFIAnimal / Bird1%2%Customer Responsible0.1%0.1%Equipment2%3%Lightning0.1%0.1%Maintenance0.3%1%Squirrel3%5%Thunder Storm8%5%Tree/Limb in ROW6%7%Tree/Limb out of ROW41%29%Unknown Cause37%46%Wind1%1%9. CIRCUIT 5 YEAR AVERAGE (SAIDI)9710. REPORTING YEAR (SAIDI)13511. CIRCUIT 5 YEAR AVERAGE (SAIFI)1.148312. REPORTING YEAR (SAIFI)1.364813. CORRECTIVE ACTION PLAN				
Animal / Bird 1% 2% Customer Responsible 0.1% 0.1% Equipment 2% 3% Lightning 0.1% 0.1% Maintenance 0.3% 1% Squirrel 3% 5% Thunder Storm 8% 5% Tree/Limb in ROW 6% 7% Tree/Limb out of ROW 41% 29% Unknown Cause 37% 46% Wind 1% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 97 10. REPORTING YEAR (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.1483 12. REPORTING YEAR (SAIFI) 1.3648 13. CORRECTIVE ACTION PLAN	NUMBERS REPRESENTED BY EACH CAUSE	E		
Animal / Bird 1% 2% Customer Responsible 0.1% 0.1% Equipment 2% 3% Lightning 0.1% 0.1% Maintenance 0.3% 1% Squirrel 3% 5% Thunder Storm 8% 5% Tree/Limb in ROW 6% 7% Tree/Limb out of ROW 41% 29% Unknown Cause 37% 46% Wind 1% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 97 10. REPORTING YEAR (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.1483 12. REPORTING YEAR (SAIFI) 1.3648 13. CORRECTIVE ACTION PLAN				
Customer Responsible 0.1% 0.1% Equipment 2% 3% Lightning 0.1% 0.1% Maintenance 0.3% 1% Squirrel 3% 5% Thunder Storm 8% 5% Tree/Limb in ROW 6% 7% Tree/Limb out of ROW 41% 29% Unknown Cause 37% 46% Wind 1% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 97 10. REPORTING YEAR (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.1483 12. REPORTING YEAR (SAIFI) 1.3648 13. CORRECTIVE ACTION PLAN		SAIDI	SAIFI	
Equipment 2% 3% Lightning 0.1% 0.1% Maintenance 0.3% 1% Squirrel 3% 5% Thunder Storm 8% 5% Tree/Limb in ROW 6% 7% Tree/Limb out of ROW 41% 29% Unknown Cause 37% 46% Wind 1% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 97 10. REPORTING YEAR (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.1483 12. REPORTING YEAR (SAIFI) 1.3648 13. CORRECTIVE ACTION PLAN	Animal / Bird	1%	2%	
Lightning 0.1% 0.1% Maintenance 0.3% 1% Squirrel 3% 5% Thunder Storm 8% 5% Tree/Limb in ROW 6% 7% Tree/Limb out of ROW 41% 29% Unknown Cause 37% 46% Wind 1% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 97 10. REPORTING YEAR (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.1483 12. REPORTING YEAR (SAIFI) 1.3648 13. CORRECTIVE ACTION PLAN	Customer Responsible	0.1%	0.1%	
Maintenance 0.3% 1% Squirrel 3% 5% Thunder Storm 8% 5% Tree/Limb in ROW 6% 7% Tree/Limb out of ROW 41% 29% Unknown Cause 37% 46% Wind 1% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 97 10. REPORTING YEAR (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIDI) 1.1483 12. REPORTING YEAR (SAIFI) 1.3648 13. CORRECTIVE ACTION PLAN	Equipment	2%	3%	
Squirrel3%5%Thunder Storm8%5%Tree/Limb in ROW6%7%Tree/Limb out of ROW41%29%Unknown Cause37%46%Wind1%1%9. CIRCUIT 5 YEAR AVERAGE (SAIDI)9710. REPORTING YEAR (SAIDI)13511. CIRCUIT 5 YEAR AVERAGE (SAIFI)1.148312. REPORTING YEAR (SAIFI)1.364813. CORRECTIVE ACTION PLAN	Lightning	0.1%	0.1%	
Image: The storm8%5%Tree/Limb in ROW6%7%Tree/Limb out of ROW41%29%Unknown Cause37%46%Wind1%1%9. CIRCUIT 5 YEAR AVERAGE (SAIDI)9710. REPORTING YEAR (SAIDI)13511. CIRCUIT 5 YEAR AVERAGE (SAIFI)1.148312. REPORTING YEAR (SAIFI)1.364813. CORRECTIVE ACTION PLAN	Maintenance	0.3%	1%	
Tree/Limb in ROW 6% 7% Tree/Limb out of ROW 41% 29% Unknown Cause 37% 46% Wind 1% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 97 10. REPORTING YEAR (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.1483 12. REPORTING YEAR (SAIFI) 1.3648 13. CORRECTIVE ACTION PLAN	Squirrel	3%	5%	
Tree/Limb out of ROW41%29%Unknown Cause37%46%Wind1%1%9. CIRCUIT 5 YEAR AVERAGE (SAIDI)9710. REPORTING YEAR (SAIDI)13511. CIRCUIT 5 YEAR AVERAGE (SAIFI)1.148312. REPORTING YEAR (SAIFI)1.364813. CORRECTIVE ACTION PLAN	Thunder Storm		5%	
Unknown Cause37%46%Wind1%1%9. CIRCUIT 5 YEAR AVERAGE (SAIDI)9710. REPORTING YEAR (SAIDI)13511. CIRCUIT 5 YEAR AVERAGE (SAIFI)1.148312. REPORTING YEAR (SAIFI)1.364813. CORRECTIVE ACTION PLAN	Tree/Limb in ROW	6%	7%	
Wind1%1%9. CIRCUIT 5 YEAR AVERAGE (SAIDI)9710. REPORTING YEAR (SAIDI)13511. CIRCUIT 5 YEAR AVERAGE (SAIFI)1.148312. REPORTING YEAR (SAIFI)1.364813. CORRECTIVE ACTION PLAN	Tree/Limb out of ROW	41%	29%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 97 10. REPORTING YEAR (SAIDI) 135 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.1483 12. REPORTING YEAR (SAIFI) 1.3648 13. CORRECTIVE ACTION PLAN		37%	46%	
10. REPORTING YEAR (SAIDI)13511. CIRCUIT 5 YEAR AVERAGE (SAIFI)1.148312. REPORTING YEAR (SAIFI)1.364813. CORRECTIVE ACTION PLAN	Wind	1%	1%	
10. REPORTING YEAR (SAIDI)13511. CIRCUIT 5 YEAR AVERAGE (SAIFI)1.148312. REPORTING YEAR (SAIFI)1.364813. CORRECTIVE ACTION PLAN			07	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)1.148312. REPORTING YEAR (SAIFI)1.364813. CORRECTIVE ACTION PLAN	· · · · · · · · · · · · · · · · · · ·			
12. REPORTING YEAR (SAIFI) 1.3648 13. CORRECTIVE ACTION PLAN				
13. CORRECTIVE ACTION PLAN	·			
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		mot to identify the se	use of every outgoe	
			use of every outage.	

1. SUBSTATION NAME AND NUMBER

Bush

03S075

2. SUBSTATION LOCATION (COUNTY-ROAD 6363 Tom Cat Trail, London, KY 40741	D-TOWN)	
3. CIRCUIT NAME AND NUMBER	Blackwa	ter F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENER		
East along HWY 80 and South along KY1803 to	,	
5. TOTAL CIRCUIT LENGTH (MILES)		0.7
6. CUSTOMER COUNT FOR THIS CIRCUIT	Ę	540
7 DATE OF LAST CIRCUIT TRIM (VM)	2017 Schedul	ed for 2023
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	NG WITH PERCENT	AGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE	Ē	
	SAIDI	SAIFI
Animal / Bird	3%	5%
Equipment	2%	5%
Fire	0.02%	0.1%
Large Animal	0.1%	0.1%
Lightning	2%	4%
Maintenance	1%	2%
Other Utilities	1%	3%
Scheduled	15%	9%
Squirrel	2%	3%
Thunder Storm	20%	15%
Tree/Limb in ROW	8%	10%
Tree/Limb out of ROW	4%	3%
Unknown Cause	29%	34%
Vehicles/Heavy Equipment	4%	3%
Vines/Kudzu	5%	4%
Wind	2%	1%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		130
10. REPORTING YEAR (SAIDI)	,	150
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.34	147
12. REPORTING YEAR (SAIFI)	1.33	315
13. CORRECTIVE ACTION PLAN		
Jackson Energy field personnel atte	mpt to identify the ca	use of every outage.
CIRCUIT #: 16	5 .	000075
1. SUBSTATION NAME AND NUMBER	Bush	03S075
2. SUBSTATION LOCATION (COUNTY-ROAD	D-TOWN)	
6363 Tom Cat Trail, London, KY 40741		. =-

Lick Fork F3

3. CIRCUIT NAME AND NUMBER

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

East Laurel Rd to HWY 488 and Tom Cat Rd

5. TOTAL CIRCUIT LENGTH (MILES)	6	4.8
6. CUSTOMER COUNT FOR THIS CIRCUIT	6	616
7 DATE OF LAST CIRCUIT TRIM (VM)	2018 Scheduled for 2023	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALO	NG WITH PERCENT	AGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE		
	SAIDI	SAIFI
Animal / Bird	1%	1%
Customer Responsible	0.3%	0.1%
Equipment	1%	1%
Maintenance	1%	1%

1%

8%

70%

4%

8%

5%

0.1%

2%

5%

3% 7%

2%

0.1%

78%

9. CIRCUIT 5 YEAR AVERAGE (SAI	DI) 58
10. REPORTING YEAR (SAIDI)	111
11. CIRCUIT 5 YEAR AVERAGE (SA	IFI) 0.5769
12. REPORTING YEAR (SAIFI)	1.3782
13. CORRECTIVE ACTION PLAN	None

CIRCUIT #: 17

Scheduled Squirrel

Wind

Thunder Storm

Unknown Cause

Tree/Limb out of ROW

Vehicles/Heavy Equipment

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1. SUBSTATION NAME AND NUMBER	Campground	03S020	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
790 Smith Brewer Rd., London, KY 40744			
3. CIRCUIT NAME AND NUMBER	Bush F	1	
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)			
Rough Creek Rd, Crooked Creek Dr., Farris Road, Laurel Rd, Conley Rd			
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		50.4	
6. CUSTOMER COUNT FOR THIS CIRCUIT		642	
7 DATE OF LAST CIRCUIT TRIM (VM)	2	2022	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE			
NUMBERS REPRESENTED BY EACH CAUS	E		
	SAIDI	SAIFI	

	SAIDI	SAIFI
Animal / Bird	0.1%	0.2%
Equipment	4%	7%

Ice/Snow	41%	17%
Lightning	0.1%	0.2%
Maintenance	8%	55%
Other Utilities	6%	4%
Thunder Storm	28%	11%
Tree/Limb out of ROW	3%	3%
Unknown Cause	1%	2%
Wind	8%	1%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	61
10. REPORTING YEAR (SAIDI)	103
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.7051
12. REPORTING YEAR (SAIFI)	0.7897
13. CORRECTIVE ACTION PLAN	None

1. SUBSTATION NAME AND NUMBER	Campground	03S020	
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)			
790 Smith Brewer Rd., London, KY 40744			
3. CIRCUIT NAME AND NUMBER	Campg	round F2	
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)			
HWY 229 South of Hwy 1189, Wilderness Rd, Laurel River Church Rd			
5. TOTAL CIRCUIT LENGTH (MILES)		92.2	
6. CUSTOMER COUNT FOR THIS CIRCUIT		107	
7 DATE OF LAST CIRCUIT TRIM (VM)	2	2019	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE			TAGE

NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	2%	2%
Equipment	4%	3%
Lightning	1%	1%
Maintenance	13%	52%
Overload	1%	2%
Scheduled	1%	0.4%
Squirrel	2%	3%
Thunder Storm	42%	15%
Tree/Limb in ROW	0.1%	0.1%
Tree/Limb out of ROW	14%	10%
Unknown Cause	9%	7%
Vehicles/Heavy Equipment	0.4%	0.3%
Vines/Kudzu	0.1%	0.05%

Wind	11%	4%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	110		
10. REPORTING YEAR (SAIDI)	137		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.7021		
12. REPORTING YEAR (SAIFI)	1.8347		
13. CORRECTIVE ACTION PLAN	None		

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1. SUBSTATION NAME AND NUMBER	Conway	03S103
2. SUBSTATION LOCATION (COUNTY-ROAD	-TOWN)	
US HWY 25, Berea, KY 40403		
3. CIRCUIT NAME AND NUMBER	So	caffold Cane F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	AL AREA)	
Area East of US-25 toward Climax	,	
5. TOTAL CIRCUIT LENGTH (MILES)		67.7
6. CUSTOMER COUNT FOR THIS CIRCUIT		506
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8. LIST OUTAGE CAUSES FOR CIRCUIT ALO		
NUMBERS REPRESENTED BY EACH CAUSE		
NUMBERS REFRESENTED BT EACH CAUSE		
	SAIDI	SAIFI
Equipment	9%	22%
Lightning	0.1%	0.2%
Maintenance	7%	16%
		-
Unknown Cause	9%	9%
Vines/Kudzu	0.5%	1%
Wind	18%	9%
Woodcutter	1%	1%
Wind	18%	1% 9%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	406	
10. REPORTING YEAR (SAIDI)	800	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.1656	
12. REPORTING YEAR (SAIFI)	5.9051	
13. CORRECTIVE ACTION PLAN		
Jackson Energy attempts to ide	ntify and remove trees that pose an	
outage risk but are located outside of the Right-of-Way (ROW).		

CIRCUIT #: 20		
1. SUBSTATION NAME AND NUMBER	East Bernstadt	03E015
2. SUBSTATION LOCATION (COUNTY-ROAI	D-TOWN)	
280 Holland Road, London, KY 40741	,	
3. CIRCUIT NAME AND NUMBER	Hazel G	Green F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)	
Arthur Ridge Rd, Little Arthur Ridge and along I		orv
5. TOTAL CIRCUIT LENGTH (MILES)		79.6
6. CUSTOMER COUNT FOR THIS CIRCUIT		991
7 DATE OF LAST CIRCUIT TRIM (VM)		020
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PERCEN	TAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS		
	SAIDI	SAIFI
Animal / Bird	1%	1%
Bad Connection	0.1%	0.05%
Equipment	0.1%	0.3%
Maintenance	0.4%	1%
Scheduled	1%	1%
Squirrel	1%	1%
Thunder Storm	57%	46%
Tree/Limb in ROW	1%	1%
Tree/Limb out of ROW	34%	44%
Unknown Cause	2%	3%
Vines/Kudzu	1%	2%
Woodcutter	0.1%	0.1%
	0.17,0	0.17.0
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		91
10. REPORTING YEAR (SAIDI)		212
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.1	949
12. REPORTING YEAR (SAIFI)	2.1	615
13. CORRECTIVE ACTION PLAN	None	
CIRCUIT #: 21		
1. SUBSTATION NAME AND NUMBER	East Bernstadt	03E015
2. SUBSTATION LOCATION (COUNTY-ROAI	D-TOWN)	
280 Holland Road, London, KY 40741		
3. CIRCUIT NAME AND NUMBER	Ft. Sea	uayah F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENER		
US-25 North toward Hazel Patch	,	
5. TOTAL CIRCUIT LENGTH (MILES)		108
6. CUSTOMER COUNT FOR THIS CIRCUIT		065
	·	

7.. DATE OF LAST CIRCUIT TRIM (VM)

2019

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI		SAIFI
Animal / Bird	0.1%		
Equipment	1%		
Ice/Snow	2%		
Maintenance	0.3%		
Overload	1%		
Scheduled	4%		
Squirrel	0.03%		
Thunder Storm	36%		
Tree/Limb in ROW	1%		
Tree/Limb out of ROW	30%		
Unknown Cause	8%		
Vines/Kudzu	0.04%		
Wind	16%		
Woodcutter	1%		
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		246	
10. REPORTING YEAR (SAIDI)		295	

10. REPORTING YEAR (SAIDI)	295
11. CIRCUIT 5 YEAR AVERAGE (SA	IFI) 2.2766
12. REPORTING YEAR (SAIFI)	2.0479
13. CORRECTIVE ACTION PLAN	None

CIRCUIT #: 22 1. SUBSTATION NAME AND NUMBER Eberle 03E049 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER Letterbox F1 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Eberle Rd, KY 2003, Nichols Br. Rd, 5. TOTAL CIRCUIT LENGTH (MILES) 68.3 6. CUSTOMER COUNT FOR THIS CIRCUIT 532 7.. DATE OF LAST CIRCUIT TRIM (VM) 2020 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	12%	47%
Equipment	2%	2%

Ice/Snow	3%	2%
Maintenance	1%	0.2%
Scheduled	4%	4%
Squirrel	4%	7%
Thunder Storm	39%	11%
Tree/Limb out of ROW	10%	7%
Unknown Cause	10%	12%
Wind	12%	5%
Woodcutter	3%	2%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	1!	55
10. REPORTING YEAR (SAIDI)	1	79
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.679	96
12. REPORTING YEAR (SAIFI)	2.018	38

13. CORRECTIVE ACTION PLAN

Animal guards are placed on equipment, when possible, after an animal caused outage occurs.

CIRCUIT #: 23

1. SUBSTATION NAME AND NUMBER	Eberle	03E049
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
1601 Mt. Zion Rd., East Bernstadt, KY 40729		
3. CIRCUIT NAME AND NUMBER		HWY 490 F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)	
West along HWY-490 toward Livingston		
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		105.4
6. CUSTOMER COUNT FOR THIS CIRCUIT		762
7 DATE OF LAST CIRCUIT TRIM (VM)		2022
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH I	PERCENTAGE OF TOTAL OUTAGE

NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	1%	2%
Equipment	5%	6%
Large Animal	0.01%	0.1%
Maintenance	5%	8%
Other Utilities	0.1%	0.2%
Scheduled	7%	6%
Squirrel	1%	3%
Thunder Storm	12%	17%
Tree/Limb out of ROW	30%	23%
Unknown Cause	4%	6%
Vehicles/Heavy Equipment	20%	10%
Wind	16%	18%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	225	
10. REPORTING YEAR (SAIDI)	238	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.4266	
12. REPORTING YEAR (SAIFI)	1.5302	
13. CORRECTIVE ACTION PLAN		
Jackson Energy attempts to identify and remove trees that pose an		
outage risk but are located outside of the Right-of-Way (ROW).		

1. SUBSTATION NAME AND NUMBER	Elk Mountain	03E122
2. SUBSTATION LOCATION (COUNTY-ROA	AD-TOWN)	
478 Clay-Leslie Road Manchester, KY 40962		
3. CIRCUIT NAME AND NUMBER	Elk Cr	eek F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
HWY 421 South to Big Creek		
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		8
6. CUSTOMER COUNT FOR THIS CIRCUIT		65
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCE	NTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	SE	
	SAIDI	SAIFI
Animal / Bird	0.2%	0.4%
Maintenance	0.2%	1%
Scheduled	14%	28%
Squirrel	1%	3%
Thunder Storm	71%	42%
Tree/Limb in ROW	4%	7%
Tree/Limb out of ROW	2%	3%
Unknown Cause	8%	17%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		235
10. REPORTING YEAR (SAIDI)		696
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.	4315
12. REPORTING YEAR (SAIFI)	3.	5077
13. CORRECTIVE ACTION PLAN	None	

CIRCUIT #: 25

1. SUBSTATION NAME AND NUMBERElk Mountain03E1222. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

3. FORL DRAW DRAW TOR THIS CIRCUIT 747 7. DATE OF LAST CIRCUIT TRIM (VM) 2022 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird 0.2% Deterioration 0.4% 0.2% 2% Equipment 2% 2% 5% Scheduled 24% Squirel 1% 104/5 3% Maintenance 2% 2% 5% Scheduled 24% 2% 5% Scheduled 24% 10% 2% Tree/Limb out of ROW 24% 10% 3% Wind 11% 3% 3% Woodcutter 0.4% 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIDI) 595 13. CORRECTIVE ACTION PLAN 3.7486 12. REPORTING YEAR (SAIFI)	 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENE Brightshade and Asher's Fork 5. TOTAL CIRCUIT LENGTH (MILES) 		shade F285.7	
7. DATE OF LAST CIRCUIT TRIM (VM) 2022 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird 0.2% 0.2% Deterioration 0.4% 0.5% Equipment 2% 2% Fire 0.04% 0.03% Icc/Snow 4% 3% Maintenance 2% 5% Scheduled 24% 21% Squirrel 1% 2% Thunder Storm 19% 30% Tree/Limb out of ROW 7% 5% Vines/Kudzu 0.4% 0.4% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIDI) 595 13. CORRECTIVE ACTION PLAN				-
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Animal / Bird 0.2% 0.2% Deterioration 0.4% 0.5% Equipment 2% 2% Fire 0.04% 0.03% Ice/Snow 4% 3% Maintenance 2% 5% Scheduled 24% 21% Squirrel 1% 22% Thunder Storm 19% 30% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 543 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIDI) 543 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIDI) 543 13. CORRECTIVE ACTION PLAN Jackson Energy attempts to identify and remove trees that pose an outage risk but are located outside of the Right-of-Way (ROW). 2. SUBSTATION NAME AND NUMBER Elk Mountain 03E122 3. CIRCUIT # 26 1. SUBSTATION NAME AND NUMBER BUZZAR F3 4. CIRCUIT ACTION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT ANME AND NUMBER BUZZAR F3 4. CIRCUIT ANME AND NUMBER BUZZAR F3 4. CIRCUIT LOCATION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER BUZZAR F3 4. CIRCUIT LOCATION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER BUZZAR F3 4. CIRCUIT LOCATION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT AME AND NUMBER BUZZAR F3 4. CIRCUIT LOCATION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER BUZZAR F3 4. CIRCUIT LOCATION (MUMP ROAD-GENERAL AREA) Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7				-
NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird 0.2% Deterioration 0.4% 0.2% Deterioration 0.4% 0.3% Equipment 2% 2% Fire 0.04% 0.03% Ice/Snow 4% 3% Maintenance 2% 2% Squirrel 1% 2% Thunder Storm 19% 30% Tree/Limb in ROW 7% 5% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN				-
SAIDI SAIFI Animal / Bird 0.2% 0.2% Deterioration 0.4% 0.5% Equipment 2% 2% Fire 0.04% 0.03% Lee/Snow 4% 3% Maintenance 2% 5% Scheduled 24% 21% Squirrel 1% 2% Thunder Storm 19% 30% Tree/Limb in ROW 7% 5% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT S YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN			TAGE OF TOTAL OUTAGE	
Animal / Bird 0.2% 0.2% Deterioration 0.4% 0.5% Equipment 2% 2% Fire 0.04% 0.03% Ice/Snow 4% 3% Maintenance 2% 5% Scheduled 24% 21% Squirrel 1% 2% Thunder Storm 19% 30% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN	NUMBERS REPRESENTED BY EACH CAUS	5E		
Animal / Bird 0.2% 0.2% Deterioration 0.4% 0.5% Equipment 2% 2% Fire 0.04% 0.03% Ice/Snow 4% 3% Maintenance 2% 5% Scheduled 24% 21% Squirrel 1% 2% Thunder Storm 19% 30% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN		SAIDI	SAIEI	
Deterioration 0.4% 0.5% Equipment 2% 2% Fire 0.04% 0.03% Ice/Snow 4% 3% Maintenance 2% 5% Scheduled 24% 21% Squirrel 1% 2% Thunder Storm 19% 30% Tree/Limb in ROW 7% 5% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 0.4% Vines/Kudzu 0.4% 0.4% Vines/Kudzu 0.4% 0.4% Vines/Kudzu 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN	Animal / Bird			
Equipment 2% 2% Fire 0.04% 0.03% Icc/Snow 4% 3% Maintenance 2% 5% Scheduled 24% 21% Squirrel 1% 2% Thunder Storm 19% 30% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIDI) 595 12. REPORTING YEAR (SAIDI) 595 13. CORRECTIVE ACTION PLAN				
Fire 0.04% 0.03% Ice/Snow 4% 3% Maintenance 2% 5% Scheduled 24% 21% Squirrel 1% 2% Thunder Storm 19% 30% Tree/Limb in ROW 7% 5% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN				
Ice/Snow 4% 3% Maintenance 2% 5% Scheduled 24% 21% Squirrel 1% 2% Thunder Storm 19% 30% Tree/Limb in ROW 7% 5% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN				
Maintenance 2% 5% Scheduled 24% 21% Squirrel 1% 2% Thunder Storm 19% 30% Tree/Limb in ROW 7% 5% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN				
Scheduled 24% 21% Squirrel 1% 2% Thunder Storm 19% 30% Tree/Limb in ROW 7% 5% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN				
Squirrel 1% 2% Thunder Storm 19% 30% Tree/Limb in ROW 7% 5% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN				
Thunder Storm 19% 30% Tree/Limb in ROW 7% 5% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN				
Tree/Limb in ROW 7% 5% Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN	1			
Tree/Limb out of ROW 24% 23% Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN				
Unknown Cause 5% 4% Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN	Tree/Limb in ROW	7%	5%	
Vines/Kudzu 0.4% 0.4% Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN	Tree/Limb out of ROW	24%	23%	
Wind 11% 3% Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN	Unknown Cause	5%	4%	
Woodcutter 0.4% 1% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN	Vines/Kudzu	0.4%	0.4%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 543 10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN	Wind	11%	3%	
10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN	Woodcutter	0.4%	1%	
10. REPORTING YEAR (SAIDI) 595 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN				
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.7486 12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN	9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		543	-
12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN			595	-
12. REPORTING YEAR (SAIFI) 4.0509 13. CORRECTIVE ACTION PLAN	11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.	7486	_
Jackson Energy attempts to identify and remove trees that pose an outage risk but are located outside of the Right-of-Way (ROW). CIRCUIT #: 26 1. SUBSTATION NAME AND NUMBER Elk Mountain 03E122 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER Buzzard F3 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7			0509	-
outage risk but are located outside of the Right-of-Way (ROW). CIRCUIT #: 26 1. SUBSTATION NAME AND NUMBER Elk Mountain 03E122 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER Buzzard F3 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7	13. CORRECTIVE ACTION PLAN			-
CIRCUIT #: 26 1. SUBSTATION NAME AND NUMBER Elk Mountain 03E122 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER Buzzard F3 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7	Jackson Energy attempts to identi	fy and remove trees t	hat pose an	-
1. SUBSTATION NAME AND NUMBER Elk Mountain 03E122 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER Buzzard F3 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7		-		-
1. SUBSTATION NAME AND NUMBER Elk Mountain 03E122 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER Buzzard F3 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7			· •	-
1. SUBSTATION NAME AND NUMBER Elk Mountain 03E122 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER Buzzard F3 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7				
1. SUBSTATION NAME AND NUMBER Elk Mountain 03E122 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER Buzzard F3 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7	CIRCUIT #: 26			
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER Buzzard F3 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7		Elk Mountain	03E122	
478 Clay-Leslie Road Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER Buzzard F3 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7				-
3. CIRCUIT NAME AND NUMBER Buzzard F3 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7		· - · · · · · · · · · · · · · · · · · ·		
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7	-	Ruzza	rd E3	
Schoolhouse Branch and HWY 11 Barbourville Road 5. TOTAL CIRCUIT LENGTH (MILES) 62.7				-
5. TOTAL CIRCUIT LENGTH (MILES) 62.7				
		TIVAU	60.7	
				-
	U. CUSTOWER COUNT FOR THIS CIRCUIT		402	-

7.. DATE OF LAST CIRCUIT TRIM (VM)

2020

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.1%	0.2%
Equipment	1%	1%
Ice/Snow	0.5%	0.3%
Lightning	0.2%	0.3%
Maintenance	0.3%	0.2%
Other Utilities	7%	20%
Squirrel	0.4%	0.5%
Thunder Storm	33%	36%
Tree/Limb in ROW	0.3%	0.3%
Tree/Limb out of ROW	33%	12%
Unknown Cause	5%	8%
Vehicles/Heavy Equipment	2%	2%
Wind	17%	20%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	767	
10. REPORTING YEAR (SAIDI)	826	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	4.2723	
12. REPORTING YEAR (SAIFI)	5.4813	
13. CORRECTIVE ACTION PLAN		
Jackson Energy attempts to identify and remove trees that pose an		
outage risk but are located outside of the Right-of-Way (ROW).		

CIRCUIT #: 27

1. SUBSTATION NAME AND NUMBER	Elk Mountain	03E122	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
478 Clay-Leslie Road Manchester, KY 40962			
3. CIRCUIT NAME AND NUMBER	Lockar	d's Creek F4	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
Lockard's Creek and Pace's Creek			
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		68.5	
6. CUSTOMER COUNT FOR THIS CIRCUIT		912	
7 DATE OF LAST CIRCUIT TRIM (VM)		202	
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCEN	TAGE OF TOTAL OUTA	GE

NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.1%	0.3%
Equipment	19%	20%
Maintenance	1%	2%

Scheduled	4%	2%
Squirrel	1%	1%
Thunder Storm	18%	21%
Tree/Limb in ROW	9%	12%
Tree/Limb out of ROW	44%	36%
Unknown Cause	1%	2%
Vandals	0.1%	0.1%
Vehicles/Heavy Equipment	0.02%	0.02%
Vines/Kudzu	0.03%	0.1%
Wind	1%	1%
Woodcutter	0.5%	0.4%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	:	290
10. REPORTING YEAR (SAIDI)		738
	4.0	000

	100	
11. CIRCUIT 5 YEAR AVERAGE (SA	IFI) 1.8893	
12. REPORTING YEAR (SAIFI)	4.9178	
13. CORRECTIVE ACTION PLAN		
Jackson Energy attempts to identify and remove trees that pose an		
outage risk but are located outside of the Right-of-Way (ROW).		

1. SUBSTATION NAME AND NUMBER Fa	all Rock 03E016
2. SUBSTATION LOCATION (COUNTY-ROAD-T	OWN)
5699 N. Highway 421 Manchester, KY 40962	
3. CIRCUIT NAME AND NUMBER	Oneida F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL	AREA)
Along HWY 11 toward Oneida	
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>	48.3
6. CUSTOMER COUNT FOR THIS CIRCUIT	399
7 DATE OF LAST CIRCUIT TRIM (VM)	2021
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG	WITH PERCENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE	

	SAIDI	SAIFI
Equipment	6%	5%
Ice/Snow	2%	1%
Maintenance	4%	8%
Scheduled	4%	3%
Squirrel	13%	8%
Thunder Storm	11%	9%
Tree/Limb in ROW	25%	28%
Tree/Limb out of ROW	13%	7%
Unknown Cause	20%	30%
Vandals	0.04%	0.1%

Vines/Kudzu	1%	1%	
Wind	1%	0.4%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	351		
10. REPORTING YEAR (SAIDI)	364		_
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.4948		
12. REPORTING YEAR (SAIFI)	3.4536		
13. CORRECTIVE ACTION PLAN			
Tree(s) in the ROW have been I	located and trimmed.		

CIRCUIT #: 29 1. SUBSTATION NAME AND NUMBER Greenbriar 03E076 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 248 Needmore Hollow Rd., Manchester, 40962 3. CIRCUIT NAME AND NUMBER Prison F1 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Feeds to the Manchester Federal Correctional Institute 5. TOTAL CIRCUIT LENGTH (MILES) 0.4 6. CUSTOMER COUNT FOR THIS CIRCUIT 2 7.. DATE OF LAST CIRCUIT TRIM (VM) 2019 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Customer Responsible 58% 50% Unknown Cause 42% 50% 43 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 10. REPORTING YEAR (SAIDI) 174 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.6 12. REPORTING YEAR (SAIFI) 2 13. CORRECTIVE ACTION PLAN There were two outages on this feeder. None

CIRCUIT #: 30		
1. SUBSTATION NAME AND NUMBER	Greenbriar 03E	2076
2. SUBSTATION LOCATION (COUNTY-ROAD	-TOWN)	
248 Needmore Hollow Rd., Manchester, 40962		
3. CIRCUIT NAME AND NUMBER	Island Creek F2	2
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	AL AREA)	
HWY 421, HWY 638, Bales Creek, Upper Rader	Sidell	

5. TOTAL CIRCUIT LENGTH (MILES)	39	.1	
6. CUSTOMER COUNT FOR THIS CIRCUIT	642		
7 DATE OF LAST CIRCUIT TRIM (VM)	2019		
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PERCENT	AGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUSE	Ξ		
	SAIDI	SAIFI	
Animal / Bird	0.3%		
Equipment	0.3%		
Lightning	2%		
Maintenance	1%		
Mudslide	2%		
Overload	3%		
Scheduled	42%		
Squirrel	3%		
Thunder Storm	9%		
Tree/Limb in ROW	2%		
Tree/Limb out of ROW	23%		
Unknown Cause	9%		
Vines/Kudzu	3%		
Wind	1%		
	4	37	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)			
		23	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.987		
	1.87	54	
13. CORRECTIVE ACTION PLAN	None		

CIRCUIT #: 31			
1. SUBSTATION NAME AND NUMBER	Greenbriar	03E076	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
248 Needmore Hollow Rd., Manchester, 40962	2		
3. CIRCUIT NAME AND NUMBER	Fox I	Hollow F4	
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)			
Area West of Greenbriar along Hwy 638 and 687 toward Urban			
5. TOTAL CIRCUIT LENGTH (MILES)		77.4	
6. CUSTOMER COUNT FOR THIS CIRCUIT		676	
7 DATE OF LAST CIRCUIT TRIM (VM)		2020	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE			
NUMBERS REPRESENTED BY EACH CAUS	SE .		

Animal / Bird	0.2%	0.2%
Equipment	14%	19%
Ice/Snow	1%	1%
Maintenance	14%	26%
Mudslide	0.1%	0.1%
Scheduled	5%	3%
Squirrel	1%	1%
Thunder Storm	2%	2%
Tree/Limb out of ROW	7%	4%
Unknown Cause	24%	20%
Vehicles/Heavy Equipment	21%	17%
Vines/Kudzu	0%	0.3%
Wind	11%	6%
Woodcutter	0.0%	0.03%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	298
10. REPORTING YEAR (SAIDI)	507
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.5394
12. REPORTING YEAR (SAIFI)	5.5976
13. CORRECTIVE ACTION PLAN	
Equipment issues were located	and corrected.

CIRCUIT #: 32	
1. SUBSTATION NAME AND NUMBER	Greenhall 03E093
2. SUBSTATION LOCATION (COUNTY-	-ROAD-TOWN)
449 Creech Rd., Tyner, KY 40486	
3. CIRCUIT NAME AND NUMBER	Tyner F4
4. CIRCUIT LOCATION (TOWN-ROAD-G	SENERAL AREA)
Along HWY 30 toward Tyner	
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>	39.1
6. CUSTOMER COUNT FOR THIS CIRC	UIT 285
7 DATE OF LAST CIRCUIT TRIM (VM)	2021
8. LIST OUTAGE CAUSES FOR CIRCU	IT ALONG WITH PERCENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH O	CAUSE
	SAIDI SAIFI
Animal / Bird	0.1% 0.2%
Equipment	33% 30%
Lightning	0.1% 0.2%
Maintenance	5% 12%
Mudslide	5% 2%

21%

4%

18%

4%

Scheduled

Squirrel

Tree/Limb out of ROW	4%	2%
Unknown Cause	27%	32%
Vehicles/Heavy Equipment	1%	0.2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	147	
10. REPORTING YEAR (SAIDI)	298	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.6665	
12. REPORTING YEAR (SAIFI)	3.5895	
13. CORRECTIVE ACTION PLAN		
Jackson Energy field personnel attempt to identify the cause of every outage.		

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 449 Creech Rd., Tyner, KY 40486 3. CIRCUIT NAME AND NUMBER <u>Travellers Rest F5</u> 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Area along KY-1071 and KY-30 toward Travellers Rest 5. TOTAL CIRCUIT LENGTH (MILES) <u>51.8</u> 6. CUSTOMER COUNT FOR THIS CIRCUIT <u>305</u> 7 DATE OF LAST CIRCUIT TRIM (VM) <u>2021</u> 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Equipment 0.3% 0.2%
3. CIRCUIT NAME AND NUMBER Travellers Rest F5 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Area along KY-1071 and KY-30 toward Travellers Rest 5. TOTAL CIRCUIT LENGTH (MILES) 51.8 6. CUSTOMER COUNT FOR THIS CIRCUIT 305 7 DATE OF LAST CIRCUIT TRIM (VM) 2021 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIDI SAIFI Equipment 0.3% 0.2%
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Area along KY-1071 and KY-30 toward Travellers Rest 5. TOTAL CIRCUIT LENGTH (MILES) 51.8 6. CUSTOMER COUNT FOR THIS CIRCUIT 305 7 DATE OF LAST CIRCUIT TRIM (VM) 2021 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Equipment 0.3% 0.2%
Area along KY-1071 and KY-30 toward Travellers Rest 5. TOTAL CIRCUIT LENGTH (MILES) 51.8 6. CUSTOMER COUNT FOR THIS CIRCUIT 305 7 DATE OF LAST CIRCUIT TRIM (VM) 2021 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIDI SAIFI Equipment 0.3% 0.2%
5. TOTAL CIRCUIT LENGTH (MILES) 51.8 6. CUSTOMER COUNT FOR THIS CIRCUIT 305 7 DATE OF LAST CIRCUIT TRIM (VM) 2021 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIDI SAIDI SAIFI Equipment 0.3% 0.2%
6. CUSTOMER COUNT FOR THIS CIRCUIT 305 7 DATE OF LAST CIRCUIT TRIM (VM) 2021 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Equipment 0.3% 0.2%
7 DATE OF LAST CIRCUIT TRIM (VM) 2021 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIDI SAIFI Equipment 0.3% 0.2%
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Equipment 0.3% 0.2%
NUMBERS REPRESENTED BY EACH CAUSEEquipmentSAIDI0.3%0.2%
Equipment 0.3% SAIFI
Equipment 0.3% 0.2%
Equipment 0.3% 0.2%
Lightning 0.04% 0.1%
Maintenance 4% 11%
Scheduled 20% 25%
Squirrel 0.2% 0.3%
Thunder Storm25%21%
Tree/Limb out of ROW49%41%
Wind 2% 1%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 177
10. REPORTING YEAR (SAIDI) 457
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.4083
12. REPORTING YEAR (SAIFI) 3.0492
13. CORRECTIVE ACTION PLAN
Jackson Energy attempts to identify and remove trees that pose an
outage risk but are located outside of the Right-of-Way (ROW).

CIRCUIT #: 34				
1. SUBSTATION NAME AND NUMBER	Hargett	03E091		
2. SUBSTATION LOCATION (COUNTY-ROAD	D-TOWN)			
100 East Ky Power Lane, Irvine, KY 40336				
3. CIRCUIT NAME AND NUMBER	Spou	ıt Springs F1		
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)	·		
Spout Springs Rd, Hudson Mill Road, State HW	Y 2001			
5. TOTAL CIRCUIT LENGTH (MILES)		33.3		
6. CUSTOMER COUNT FOR THIS CIRCUIT		264		
7 DATE OF LAST CIRCUIT TRIM (VM)		2018		
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	NG WITH PERCE	ENTAGE OF TOTAL OUTAGE		
NUMBERS REPRESENTED BY EACH CAUSE	Ξ			
	SAIDI	SAIFI		
Animal / Bird	0.1%	0.2%		
Equipment	6%	26%		
Maintenance	1%	4%		
Scheduled	72%	52%		
Squirrel	4%	8%		
Thunder Storm	13%	7%		
Tree/Limb in ROW	0.4%	0.4%		
Unknown Cause	4%	3%		
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		290		
10. REPORTING YEAR (SAIDI)		546		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		2.3708		
12. REPORTING YEAR (SAIFI) 3.6629				
13. CORRECTIVE ACTION PLAN None				
	Hone	<u>, </u>		
CIRCUIT #: 35				
1. SUBSTATION NAME AND NUMBER	Hargett	03E091		
2. SUBSTATION LOCATION (COUNTY-ROAD	D-TOWN)			
100 East Ky Power Lane, Irvine, KY 40336				
3. CIRCUIT NAME AND NUMBER		Hill F4		
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)			
HWY 82 then along HWY 89 toward Palmer				
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		52.5		
6. CUSTOMER COUNT FOR THIS CIRCUIT		395		
7 DATE OF LAST CIRCUIT TRIM (VM)		eduled for 2023		
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC		ENTAGE OF TOTAL OUTAGE		
NUMBERS REPRESENTED BY EACH CAUSE				

	SAIDI	SAIFI
Animal / Bird	0.1%	0.3%
Equipment	1%	1%
Lightning	3%	4%
Maintenance	0.5%	0.3%
Squirrel	1%	4%
Thunder Storm	12%	9%
Tree/Limb in ROW	0.2%	0.1%
Tree/Limb out of ROW	16%	12%
Unknown Cause	19%	31%
Wind	47%	39%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		177
10. REPORTING YEAR (SAIDI)	3	352
11. CIRCUIT 5 YEAR AVERAGE (S <u>AIFI)</u>	1.42	238
12. REPORTING YEAR (SAIFI)	1.92	215
13. CORRECTIVE ACTION PLAN	None	

1. SUBSTATION NAME AND NUMBER	Keavy 1	03E055		
2. SUBSTATION LOCATION (COUNTY-RO	AD-TOWN)			
167 E. Highway 312, Corbin, KY 40701				
3. CIRCUIT NAME AND NUMBER Rooks Branch F1				
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)				
Rooks Branch, Paris Karr Road				
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		22.6		
6. CUSTOMER COUNT FOR THIS CIRCUIT		286		
7 DATE OF LAST CIRCUIT TRIM (VM)		2021		
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE				
NUMBERS REPRESENTED BY EACH CAUSE				
	SAIDI	SAIFI		
Animal / Bird	2%	4%		
Maintenance	1%	1%		
Squirrel	4%	8%		
Tree/Limb out of ROW	0.4%	1%		
Unknown Cause	6%	16%		
Wind	87%	70%		
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		136		
10. REPORTING YEAR (SAIDI)		286		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.	1362		

 12. REPORTING YEAR (SAIFI)
 1.4056

 13. CORRECTIVE ACTION PLAN
 None

CIRCUIT #: 37			
1. SUBSTATION NAME AND NUMBER	Keavy 2	03E055A	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
167 E. Highway 312, Corbin, KY 40701			
3. CIRCUIT NAME AND NUMBER	Level	Green F3	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
Level Green Rd, Flatwoods Rd, Keavy Loop R	d		
5. TOTAL CIRCUIT LENGTH (MILES)		53	
6. CUSTOMER COUNT FOR THIS CIRCUIT		663	
7 DATE OF LAST CIRCUIT TRIM (VM) 2018 Scheduled for 2023			
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCE	NTAGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUS	Ε		
	SAIDI	SAIFI	
Animal / Bird	0.2%	1%	
Bad Connection	0.2%	0.2%	
Equipment	2%	4%	
Maintenance	2%	6%	
Scheduled	5%	5%	
Squirrel	2%	4%	
Thunder Storm	47%	26%	
Tree/Limb in ROW	15%	20%	
Tree/Limb out of ROW	3%	3%	
Unknown Cause	15%	28%	
Wind	10%	3%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		80	
		110	
10. REPORTING YEAR (SAIDI) 11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0	.8139	
12. REPORTING YEAR (SAIFI)		.8296	
13. CORRECTIVE ACTION PLAN	0	.0200	
Jackson Energy field personnel att	empt to identify the	cause of every outage	
		oadde of every bulaye.	

03E055A

CIRCUIT #: 38 1. SUBSTATION NAME AND NUMBER Keavy 2 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 167 E. Highway 312, Corbin, KY 40701

3. CIRCUIT NAME AND NUMBER	Ba	ld Rock F4	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
Around Laurel Lake to the London Dock			
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		94.1	
6. CUSTOMER COUNT FOR THIS CIRCUIT	974		
7 DATE OF LAST CIRCUIT TRIM (VM)		heduled for 2023	
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PER	CENTAGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUS	E		
	SAIDI	SAIFI	
Animal / Bird	0.04%	0.1%	
Equipment	0.1%	0.2%	
Ice/Snow	0.4%	0.2%	
Maintenance	1%	1%	
Overload	0.03%	0.03%	
Scheduled	2%	2%	
Squirrel	2%	4%	
Thunder Storm	19%	6%	
Tree/Limb in ROW	1%	1%	
Tree/Limb out of ROW	20%	33%	
Unknown Cause	38%	39%	
Vines/Kudzu	0.2%	0.2%	
Wind	11%	11%	
Woodcutter	4%	3%	
	170	270	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		201	
10. REPORTING YEAR (SAIDI)		297	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.8525	
12. REPORTING YEAR (SAIFI)		3.1581	
13. CORRECTIVE ACTION PLAN			
Jackson Energy field personnel att	empt to identify th	he cause of every outage.	
CIRCUIT #: 39			
1. SUBSTATION NAME AND NUMBER	Keavy 2	03E055A	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
167 E. Highway 312, Corbin, KY 40701			
3. CIRCUIT NAME AND NUMBER	Loc	cust Grove F5	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
HWY 312, Keavy Rd, Topton Rd			
5. TOTAL CIRCUIT LENGTH (MILES)		32.6	
6. CUSTOMER COUNT FOR THIS CIRCUIT		412	
7 DATE OF LAST CIRCUIT TRIM (VM)		2020	
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PER	CENTAGE OF TOTAL OUTAGE	

NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird		53%
Equipment		0.3%
Maintenance		1%
Scheduled		27%
Squirrel		2%
Thunder Storm		10%
Tree/Limb out of ROW		4%
Unknown Cause		3%

9. CIRCUIT 5 YEAR AVERAGE (SAIL	DI) 155	
10. REPORTING YEAR (SAIDI)	116	
11. CIRCUIT 5 YEAR AVERAGE (SAI	FI) 1.4057	
12. REPORTING YEAR (SAIFI)	1.801	
13. CORRECTIVE ACTION PLAN		
Animal guards are placed on equipment, when possible, after an		
animal caused outage occurs.		

1. SUBSTATION NAME AND NUMBER	Laurel Industrial #1	03E088			
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)					
747 Sinking Creek Rd., London, KY 40741					
3. CIRCUIT NAME AND NUMBER	3. CIRCUIT NAME AND NUMBER Laurel Industrial F2				
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	ERAL AREA)				
Along HWY 80 to the Laurel Industrial Park					
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>	4.1	1			
6. CUSTOMER COUNT FOR THIS CIRCUIT	8	3			
7 DATE OF LAST CIRCUIT TRIM (VM)	2020)			
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE					
NUMBERS REPRESENTED BY EACH CAUS	SE				
	SAIDI	SAIFI			
Equipment	100%	100%			
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	4	5			
10. REPORTING YEAR (SAIDI)	227				
11. CIRCUIT 5 YEAR AVERAGE (S <u>AIFI)</u>	0.125	5			
12. REPORTING YEAR (SAIFI)	0.625	5			
13. CORRECTIVE ACTION PLAN					
Equipment issue was located and	corrected.				

1. SUBSTATION NAME AND NUMBER	Laurel Industrial #2	03E088A
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
747 Sinking Creek Rd., London, KY 40741		
3. CIRCUIT NAME AND NUMBER	Hawk Cre	ek F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
Along HWY 80, Hawk Creek		
5. TOTAL CIRCUIT LENGTH (MILES)	76.	8
6. CUSTOMER COUNT FOR THIS CIRCUIT	90	8
7 DATE OF LAST CIRCUIT TRIM (VM)	202	2
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCENTA	GE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	Ε	
	SAIDI	SAIFI
Animal / Bird	1%	2%
Equipment	27%	28%
Lightning	0.1%	0.1%
Maintenance	0.3%	1%
Overload	44%	45%
Squirrel	0.4%	1%
Thunder Storm	6%	5%
Tree/Limb out of ROW	16%	11%
Unknown Cause	2%	3%
Wind	3%	5%
Woodcutter	0.1%	0.1%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	33	1
10. REPORTING YEAR (SAIDI)	105	2
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.063	9
12. REPORTING YEAR (SAIFI)	10.294	9
13. CORRECTIVE ACTION PLAN Overload	was located and correcte	ed.
CIRCUIT #: 42		
1. SUBSTATION NAME AND NUMBER	Laurel Industrial #2	03E088A
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
747 Sinking Creek Rd., London, KY 40741		
3. CIRCUIT NAME AND NUMBER	Sinking Ci	reek F6
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
KY-1535 South of KY-80		
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>	62.	
	70	<u>م</u>

6. CUSTOMER COUNT FOR THIS CIRCUIT 760

7.. DATE OF LAST CIRCUIT TRIM (VM)

2021

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.3%	1%
Equipment	5%	9%
Large Animal	1%	1%
Maintenance	6%	5%
Squirrel	3%	5%
Thunder Storm	2%	2%
Tree/Limb out of ROW	1%	2%
Unknown Cause	5%	7%
Wind	76%	67%
	1	24

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	124	
10. REPORTING YEAR (SAIDI)	163	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.056	
12. REPORTING YEAR (SAIFI)	1.5	
13. CORRECTIVE ACTION PLAN	None	

1. SUBSTATION NAME AND NUMBER	Maplesville	03E077
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
91 Hanna Leigh Trail, London, KY 40741		
3. CIRCUIT NAME AND NUMBER	McWł	norter F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
HWY 638, HWY 30 Toward McWhorter, Slate	Lick Church Road	
5. TOTAL CIRCUIT LENGTH (MILES)		89.9
6. CUSTOMER COUNT FOR THIS CIRCUIT		677
7 DATE OF LAST CIRCUIT TRIM (VM)	2018 Sched	fuled for 2023
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCE	NTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	E	
	SAIDI	SAIFI
A minut / Dind	40/	20/

	SAIDI	JAIL1
Animal / Bird	4%	3%
Deterioration	1%	1%
Equipment	3%	2%
Ice/Snow	0.1%	0.04%
Maintenance	1%	2%
Scheduled	6%	3%
Squirrel	10%	6%

Thunder Storm	47%	44%	
Tree/Limb in ROW	1%	1%	
Tree/Limb out of ROW	4%	3%	
Unknown Cause	20%	34%	
Wind	2%	2%	
Woodcutter	1%	1%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		241	
10. REPORTING YEAR (SAIDI)	378		
11. CIRCUIT 5 YEAR AVERAGE (S <u>AIFI)</u>	2.186		
12. REPORTING YEAR (SAIFI)	3.836		
13. CORRECTIVE ACTION PLAN			
Jackson Energy field personnel at	tempt to identify the ca	ause of every outage.	
CIRCUIT #: 44			
1. SUBSTATION NAME AND NUMBER	Maretburg	03S057	

1. SUBSTATION NAME AND NUMBER	Maretburg	03S057	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
752 KY HWY 461, Mt. Vernon, KY 40456			
3. CIRCUIT NAME AND NUMBER Maretburg F1			
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
Along HWY 461 to the HWY 461 Loop			
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		69.3	
6. CUSTOMER COUNT FOR THIS CIRCUIT		756	
7 DATE OF LAST CIRCUIT TRIM (VM)		2021	
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCE	ENTAGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUS	E		
	SAIDI	SAIFI	
Animal / Bird	9%	11%	
Deterioration	1%	1%	
Equipment	10%	10%	
Lightning	4%	4%	
Maintenance	2%	2%	
Overload	1%	1%	
Scheduled	13%	13%	
Squirrel	9%	11%	
Thunder Storm	14%	12%	
Tree/Limb in ROW	5%	6%	
Tree/Limb out of ROW	4%	7%	
Unknown Cause	15%	19%	
Vehicles/Heavy Equipment	0.04%	0.1%	
Wind	10%	3%	
Woodcutter	1%	0.3%	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	156	
10. REPORTING YEAR (SAIDI)	243	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.4375	
12. REPORTING YEAR (SAIFI)	2.123	
13. CORRECTIVE ACTION PLAN		
Jackson Energy field personnel attempt to identify the cause of every outage.		

1. SUBSTATION NAME AND NUMBER	Maretburg	038057
2. SUBSTATION LOCATION (COUNTY-ROAD	D-TOWN)	
752 KY HWY 461, Mt. Vernon, KY 40456		
3. CIRCUIT NAME AND NUMBER	Sa	and Springs F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)	
South of Mt Vernon toward Sand Springs in Roc	kcastle County	
5. TOTAL CIRCUIT LENGTH (MILES)		81.6
6. CUSTOMER COUNT FOR THIS CIRCUIT		561
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PER	CENTAGE OF TOTAL OUTAGE

NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	1%	2%
Equipment	0.3%	0.3%
Lightning	0.4%	1%
Maintenance	1%	3%
Scheduled	6%	13%
Squirrel	2%	4%
Thunder Storm	6%	5%
Tree/Limb in ROW	0.2%	1%
Tree/Limb out of ROW	4%	3%
Unknown Cause	15%	29%
Wind	63%	37%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	3	313
10. REPORTING YEAR (SAIDI)	6	513
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.77	748
12. REPORTING YEAR (SAIFI)	2.73	362
13. CORRECTIVE ACTION PLAN	None	

CIRCUIT #: 46			
1. SUBSTATION NAME AND NUMBER	McKee	03E014	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
RT 290, McKee, KY 40447			
3. CIRCUIT NAME AND NUMBER	Bills	Branch F1	
4. CIRCUIT LOCATION (TOWN-ROAD-GENEI	RAL AREA)		
North of McKee on KY-89 toward Sand Springs	in Jackson Count	у	
5. TOTAL CIRCUIT LENGTH (MILES)		57.6	
6. CUSTOMER COUNT FOR THIS CIRCUIT	554		
7 DATE OF LAST CIRCUIT TRIM (VM)	2018 Sche	eduled for 2023	
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCI	ENTAGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUS	E		
	SAIDI	SAIFI	
Animal / Bird	0.3%	0.4%	
Equipment	1%	1%	
Ice/Snow	0.04%	0.03%	
Maintenance	2%	9%	
Squirrel	2%	3%	
Thunder Storm	55%	40%	
Tree/Limb in ROW	0.1%	0.1%	
Tree/Limb out of ROW	19%	25%	
Unknown Cause	12%	18%	
Vehicles/Heavy Equipment	1%	0.3%	
Wind	7%	3%	
Woodcutter	0.3%	1%	
() oodealler	0.070	170	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		370	
10. REPORTING YEAR (SAIDI)		510	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		3.6214	
12. REPORTING YEAR (SAIFI)		5.4783	
13. CORRECTIVE ACTION PLAN	None	e	
CIRCUIT #: 47			
1. SUBSTATION NAME AND NUMBER	McKee	03E014	

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

RT 290, McKee, KY 40447

3. CIRCUIT NAME AND NUMBER

Indian Creek F3 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

Southwest along HWY 89 toward Livingston

5. TOTAL CIRCUIT LENGTH (MILES)	17	7.9	
6. CUSTOMER COUNT FOR THIS CIRCUIT	1	38	
7 DATE OF LAST CIRCUIT TRIM (VM)	20	20	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	NG WITH PERCENT.	AGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUSE	:		
	SAIDI	SAIFI	
Animal / Bird	0.3%	0.3%	
Maintenance	41%	39%	
Scheduled	3%	3%	
Thunder Storm	17%	19%	
Tree/Limb out of ROW	37%	37%	
Unknown Cause	2%	3%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	2	91	
10. REPORTING YEAR (SAIDI)	4	45	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.73	55	
12. REPORTING YEAR (SAIFI)	5.0797		
13. CORRECTIVE ACTION PLAN			
Jackson Energy attempts to identify and remove trees that pose an			
outage risk but are located outside o			
	<u> </u>	· · · · · · · · · · · · · · · · · · ·	

CIRCUIT #: 48

1. SUBSTATION NAME AND NUMBER	McKee	03E014		
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)				
RT 290, McKee, KY 40447				
3. CIRCUIT NAME AND NUMBER	Sand G	Sap F4		
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)			
Along HWY 421 towards Sand Gap				
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		28.6		
6. CUSTOMER COUNT FOR THIS CIRCUIT		286		
7 DATE OF LAST CIRCUIT TRIM (VM)	2017 Schedu	uled for 2023		
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE				
NUMBERS REPRESENTED BY EACH CAUS	E			
	SAIDI	SAIFI		
Animal / Bird	1%	3%		
Equipment	0.2%	1%		
Maintenance	6%	22%		
Squirrel	7%	11%		
Thunder Storm	59%	31%		
Tree/Limb in ROW	1%	2%		
Tree/Limb out of ROW	22%	21%		
Unknown Cause	2%	7%		

Woodcutter	2%	2%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	70	
10. REPORTING YEAR (SAIDI)	116	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.5614	
12. REPORTING YEAR (SAIFI)	0.6643	
13. CORRECTIVE ACTION PLAN	None	

CIRCUIT #: 49

1. SUBSTATION NAME AND NUMBER	McKee	03E014
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
RT 290, McKee, KY 40447		
3. CIRCUIT NAME AND NUMBER		Kee F5
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
Downtown McKee, HWY 290		
5. TOTAL CIRCUIT LENGTH (MILES)		8.5
6. CUSTOMER COUNT FOR THIS CIRCUIT		160
7 DATE OF LAST CIRCUIT TRIM (VM)		2022
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERC	ENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	E	
	SAIDI	SAIFI
Equipment	0.3%	1%
Maintenance	39%	21%
Scheduled	29%	22%
Thunder Storm	13%	18%
Tree/Limb in ROW	9%	18%
Tree/Limb out of ROW	2%	1%
Unknown Cause	8%	19%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		64
10. REPORTING YEAR (SAIDI)		209
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.4025
12. REPORTING YEAR (SAIFI)		0.2537
13. CORRECTIVE ACTION PLAN	Non	e

CIRCUIT #: 50

 1. SUBSTATION NAME AND NUMBER
 Millers Creek
 03E027

 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

79 Beattyville, Rd., Irvine, KY 40472 3. CIRCUIT NAME AND NUMBER Youth Haven F2			
4. CIRCUIT LOCATION (TOWN-ROAD-GENERA			
Along HWY 52 toward Beattyville, Old Landing, Be 5. TOTAL CIRCUIT LENGTH (MILES)	ear Track	64.2	
6. CUSTOMER COUNT FOR THIS CIRCUIT		439	
7 DATE OF LAST CIRCUIT TRIM (VM)		2019	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALON			
NUMBERS REPRESENTED BY EACH CAUSE		TAGE OF TOTAL OUTAGE	
NOWIDERS REFRESENTED BT EACH CAUSE			
	SAIDI	SAIFI	
Ice/Snow	9%	1%	
Lightning	1%	1%	
Maintenance	2%	5%	
Scheduled	270 5%	8%	
Squirrel	1%	2%	
Thunder Storm	40%	41%	
Tree/Limb out of ROW	25%	29%	
Unknown Cause	3%	3%	
Wind	10%	9%	
Woodcutter	3%	1%	
() Obdediter	570	170	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		323	
10. REPORTING YEAR (SAIDI)		480	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.	6401	
12. REPORTING YEAR (SAIFI)	4.	9021	
13. CORRECTIVE ACTION PLAN	None		
CIRCUIT #: 51			
1. SUBSTATION NAME AND NUMBER	/lillers Creek	03E027	
2. SUBSTATION LOCATION (COUNTY-ROAD-	TOWN)		
79 Beattyville, Rd., Irvine, KY 40472			
3. CIRCUIT NAME AND NUMBER Pryce F3			
4. CIRCUIT LOCATION (TOWN-ROAD-GENERA	L AREA)		
Barnes Mountain area South of Irvine			
5. TOTAL CIRCUIT LENGTH (MILES)		66.4	
6. CUSTOMER COUNT FOR THIS CIRCUIT		421	
7 DATE OF LAST CIRCUIT TRIM (VM)		2019	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE			
NUMBERS REPRESENTED BY EACH CAUSE			

Customer Responsible	0.1%	0.04%
Equipment	0.1%	0.04%
Ice/Snow	4%	0.5%
Lightning	0.1%	0.2%
Maintenance	0.5%	1%
Squirrel	2%	3%
Thunder Storm	42%	56%
Tree/Limb in ROW	1%	1%
Tree/Limb out of ROW	7%	8%
Unknown Cause	4%	3%
Vines/Kudzu	1%	0.5%
Wind	39%	28%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	375
10. REPORTING YEAR (SAIDI)	676
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.2889
12. REPORTING YEAR (SAIFI)	5.9311
13. CORRECTIVE ACTION PLAN	None

CIRCUIT #: 52			
1. SUBSTATION NAME AND NUMBER	Oneida	03E067	
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)			
11566 N. Highway 11, Manchester, KY 40962			
3. CIRCUIT NAME AND NUMBER	Roa	ad Run F1	
4. CIRCUIT LOCATION (TOWN-ROAD-GENEI	RAL AREA)		
HWY 11, Cane Creek Rd, Stone Gap Rd, Rock	Branch Rd		
5. TOTAL CIRCUIT LENGTH (MILES)		51	
6. CUSTOMER COUNT FOR THIS CIRCUIT		298	
7 DATE OF LAST CIRCUIT TRIM (VM)	2018 Sch	eduled for 2023	
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERC	ENTAGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUS	E		
	SAIDI	SAIFI	
Animal / Bird	1%	1%	

Animal / Bird	1%	1%
Equipment	2%	2%
Ice/Snow	0.3%	0.3%
Maintenance	2%	5%
Scheduled	16%	16%
Squirrel	1%	1%
Thunder Storm	33%	30%
Tree/Limb in ROW	1%	1%
Tree/Limb out of ROW	25%	25%

Unknown Cause	1%	2%
Wind	18%	17%
9. CIRCUIT 5 YEAR AVERAGE (SAI	DI)	721
10. REPORTING YEAR (SAIDI)		1113
11. CIRCUIT 5 YEAR AVERAGE (SA	IFI)	4.0794
12. REPORTING YEAR (SAIFI)		6.5201
13. CORRECTIVE ACTION PLAN	Ν	lone

CIRCUIT #: 53 1. SUBSTATION NAME AND NUMBER Oneida 03E067 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 11566 N. Highway 11, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER Little Bullskin F2 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) HWY 1482 to Whoopflarea 5. TOTAL CIRCUIT LENGTH (MILES) 8.8 6. CUSTOMER COUNT FOR THIS CIRCUIT 57 7.. DATE OF LAST CIRCUIT TRIM (VM) 2018 Scheduled for 2023 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Maintenance 38% 71% Thunder Storm 44% 15% Tree/Limb in ROW 2% 5% 7% Tree/Limb out of ROW 5% Unknown Cause 9% 5% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 143 10. REPORTING YEAR (SAIDI) 222 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.0785 12. REPORTING YEAR (SAIFI) 1.1404 13. CORRECTIVE ACTION PLAN None

03E067

CIRCUIT #: 54

 1. SUBSTATION NAME AND NUMBER
 Oneida

 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

11566 N. Highway 11, Manchester, KY 40962

3. CIRCUIT NAME AND NUMBER	Big Bu	llskin F3		
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)				
HWY 1482 toward Brutus				
5. TOTAL CIRCUIT LENGTH (MILES)		29		
6. CUSTOMER COUNT FOR THIS CIRCUIT		231		
7 DATE OF LAST CIRCUIT TRIM (VM)		2019		
8. LIST OUTAGE CAUSES FOR CIRCUIT ALO	NG WITH PERCEN	TAGE OF TOTAL OUTAGE		
NUMBERS REPRESENTED BY EACH CAUSE				
	SAIDI	SAIFI		
Equipment	1%	0, 11 1		
Maintenance	4%			
Scheduled	50%			
Squirrel	1%			
Thunder Storm				
	31%			
Tree/Limb in ROW	2%			
Tree/Limb out of ROW	8%			
Vehicles/Heavy Equipment	2%			
Wind	1%			
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		491		
10. REPORTING YEAR (SAIDI)		570		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.4	4681		
12. REPORTING YEAR (SAIFI)	2.9	9567		
13. CORRECTIVE ACTION PLAN	None			
CIRCUIT #: 55				
1. SUBSTATION NAME AND NUMBER	Oneida	03E067		
2. SUBSTATION LOCATION (COUNTY-ROAD	-TOWN)			
11566 N. Highway 11, Manchester, KY 40962				
3. CIRCUIT NAME AND NUMBER	Spurlo	ck F4		
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	AL AREA)			
HWY 66 toward Bar Creek				
5. TOTAL CIRCUIT LENGTH (MILES)		30		
6. CUSTOMER COUNT FOR THIS CIRCUIT		248		
7 DATE OF LAST CIRCUIT TRIM (VM)	2022			
8. LIST OUTAGE CAUSES FOR CIRCUIT ALO				
NUMBERS REPRESENTED BY EACH CAUSE				
NOMBERGINEI NEGENTED DI EAGH GAUGE				
	SAIDI	SAIFI		
Animal / Bird		2%		
Anninal / Blid		270 40/		

Animal / Bird		
Equipment		

4%

Lightning	0.1%
Maintenance	18%
ROW Crew	1%
Scheduled	5%
Thunder Storm	9%
Tree/Limb in ROW	4%
Tree/Limb out of ROW	39%
Vines/Kudzu	2%
Wind	17%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	435	
10. REPORTING YEAR (SAIDI)	379	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.8015	
12. REPORTING YEAR (SAIFI)	3.0605	
13. CORRECTIVE ACTION PLAN		
Jackson Energy attempts to identify and remove trees that pose an		
outage risk but are located outside of the Right-of-Way (ROW).		

CIRCUIT #: 56

1. SUBSTATION NAME AND NUMBER	Pine Grove 2	03E086A	
	_	03E080A	
2. SUBSTATION LOCATION (COUNTY-RO)	AD-TOWN)		
165 Maple Grove Rd., London, KY 40741			
3. CIRCUIT NAME AND NUMBER	River I	Bend F2	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	ERAL AREA)		
Area East of I-75 between Sublimity Springs Subdivision and Lily			
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		42	
6. CUSTOMER COUNT FOR THIS CIRCUIT		701	
7 DATE OF LAST CIRCUIT TRIM (VM)		2020	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE			
	ee		

NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird		0.2%
Bad Connection		0.1%
Equipment		7%
Maintenance		0.4%
Thunder Storm		0.1%
Tree/Limb out of ROW		13%
Unknown Cause		3%
Vehicles/Heavy Equipment		72%
Vines/Kudzu		2%
Wind		3%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		127

		440	
10. REPORTING YEAR (SAIDI)	113		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.1508		
12. REPORTING YEAR (SAIFI)		2.1327	
13. CORRECTIVE ACTION PLAN	None		
CIRCUIT #: 57			
1. SUBSTATION NAME AND NUMBER	Rice Station	03E026	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
75 Substation Rd., Irvine, KY 40336	,		
3. CIRCUIT NAME AND NUMBER	Sand	Hill F1	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
Toward North Irvine North of HWY 1457	-		
5. TOTAL CIRCUIT LENGTH (MILES)		110.9	
6. CUSTOMER COUNT FOR THIS CIRCUIT		1178	
7 DATE OF LAST CIRCUIT TRIM (VM)	2017 Sche	duled for 2023	
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCE	NTAGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUS	SE .		
	SAIDI	SAIFI	
Equipment	5%		
Ice/Snow	2%		
Maintenance	11%		
Scheduled	6%		
Squirrel	2%		
Thunder Storm	11%		
Tree/Limb in ROW	1%		
Tree/Limb out of ROW	4%		
Unknown Cause	4%		
Wind	53%		
Woodcutter	1%		
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		293	
10. REPORTING YEAR (SAIDI)		393	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.835	
12. REPORTING YEAR (SAIFI)	1	.5492	
13. CORRECTIVE ACTION PLAN	None		

Rice Station

03E026

2. SUBSTATION LOCATION (COUNTY-ROAD- 75 Substation Rd., Irvine, KY 40336 3. CIRCUIT NAME AND NUMBER	OWN) Station Camp F2	
4. CIRCUIT LOCATION (TOWN-ROAD-GENERA		
HWY 594 toward West Irvine	- / ()	
5. TOTAL CIRCUIT LENGTH (MILES)	146.4	
6. CUSTOMER COUNT FOR THIS CIRCUIT	1332	
7 DATE OF LAST CIRCUIT TRIM (VM)	2021	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALON	G WITH PERCENTAGE OF	TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE		
	SAIDI	SAIFI
Animal / Bird		1%
Bad Connection		0.03%
Deterioration		0.4%
Equipment		1%
Ice/Snow		1%
Lightning		1%
Maintenance		5%
Overload		0%
Scheduled		3%
Squirrel		3%
Thunder Storm		7%
Tree/Limb in ROW		0.4%
Tree/Limb out of ROW		17%
Unknown Cause		9%

Vehicles/Heavy Equipment Vines/Kudzu Wind 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 289

	209
10. REPORTING YEAR (SAIDI)	285
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.0598
12. REPORTING YEAR (SAIFI)	2.5398
13. CORRECTIVE ACTION PLAN	None

38%

0.1% 13%

Rice Station	03E026
D-TOWN)	
Winston F	3
AL AREA)	
	D-TOWN) Winston F

Winston, HWY 191, HWY 499 to Crooked Creek F	Road	
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		88.6
6. CUSTOMER COUNT FOR THIS CIRCUIT	837	
7 DATE OF LAST CIRCUIT TRIM (VM)	2017 Scheduled for 2023	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALON	IG WITH PERCE	ENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE		
	SAIDI	SAIFI
Animal / Bird	2%	4%
Equipment	4%	2%
Lightning	1%	2%
Maintenance	3%	4%
Scheduled	8%	8%
Squirrel	6%	10%
Thunder Storm	1%	0.5%
Tree/Limb in ROW	2%	2%
Tree/Limb out of ROW	10%	6%
Unknown Cause	8%	10%
Wind	56%	51%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		193
10. REPORTING YEAR (SAIDI)		253
11. CIRCUIT 5 YEAR AVERAGE (S <u>AIFI)</u>		1.4213
12. REPORTING YEAR (SAIFI)		1.9809
13. CORRECTIVE ACTION PLAN	None	9
CIRCUIT #: 60		
1. SUBSTATION NAME AND NUMBER	Sand Gap	03S092
2. SUBSTATION LOCATION (COUNTY-ROAD-	TOWN)	
Gravel Lick Rd., McKee, KY 40447		
3. CIRCUIT NAME AND NUMBER	Lodg	e Hall F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERA	L AREA)	
Area South of HWY 421 along Lodge Hall Road		
5. TOTAL CIRCUIT LENGTH (MILES)		7.7
6. CUSTOMER COUNT FOR THIS CIRCUIT		95
7 DATE OF LAST CIRCUIT TRIM (VM)	2018 Sche	duled for 2023
8. LIST OUTAGE CAUSES FOR CIRCUIT ALON	IG WITH PERCE	ENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE		
	SAIDI	SAIFI
Animal / Bird	37%	
Squirrel	31%	
1		

Unknown Cause	3%
Vehicles/Heavy Equipment	28%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	58		
10. REPORTING YEAR (SAIDI)	80		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.875		
12. REPORTING YEAR (SAIFI)	0.7263		
13. CORRECTIVE ACTION PLAN			
Animal guards are placed on equipment, when possible, after an			
animal caused outage occurs.			

CIRCUIT #: 61

1. SUBSTATION NAME AND NUMBER	South Fork	03E012
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
Griffith Cemetery Rd., Island City, KY 41338		
3. CIRCUIT NAME AND NUMBER	Rice 1	own F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
Area East of HWY 11 toward Arnett		
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		59.1
6. CUSTOMER COUNT FOR THIS CIRCUIT		272
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCE	NTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	Ε	
	SAIDI	SAIFI
Animal / Bird	0.03%	0.1%
Customer Responsible	0.04%	0.1%
Equipment	1%	1%
Lightning	0.02%	0.1%
Maintenance	8%	25%
Scheduled	0.4%	1%
Squirrel	0.2%	1%
Thunder Storm	64%	32%
Tree/Limb in ROW	0.3%	1%
Tree/Limb out of ROW	13%	21%
Unknown Cause	1%	1%
Vehicles/Heavy Equipment	1%	0.2%
Vines/Kudzu	0.5%	0.4%
Wind	12%	17%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		1097
10. REPORTING YEAR (SAIDI)		1116

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	4.1	7594
12. REPORTING YEAR (SAIFI)	6.4	4154
13. CORRECTIVE ACTION PLAN	None	
CIRCUIT #: 62		
-	South Fork	03E012
2. SUBSTATION LOCATION (COUNTY-ROAD	-TOWN)	
Griffith Cemetery Rd., Island City, KY 41338		
3. CIRCUIT NAME AND NUMBER	White	Oak F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENERA	AL AREA)	
HWY 2025 and HWY 847 toward Endee and Tra	veller's Rest	
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		17
6. CUSTOMER COUNT FOR THIS CIRCUIT		66
7 DATE OF LAST CIRCUIT TRIM (VM)	2022	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALO	NG WITH PERCEN	ITAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE		
	SAIDI	SAIFI
Bad Connection	0.3%	1%
Equipment	27%	30%
Maintenance	1%	5%
Thunder Storm	5%	6%
Tree/Limb in ROW	3%	2%
Tree/Limb out of ROW	1%	2%
Unknown Cause	1%	24%
Woodcutter	59%	31%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		333
10. REPORTING YEAR (SAIDI)		492
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	24	4679
12. REPORTING YEAR (SAIFI)	2.9242	
13. CORRECTIVE ACTION PLAN	2.0	
Equipment issues were located and	corrected	
CIRCUIT #: 63		
	South Fork	03E012

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Griffith Cemetery Rd., Island City, KY 41338 Booneville F5

3. CIRCUIT NAME AND NUMBER

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

HWY 11 toward Sag Hollow Golf Course			
5. TOTAL CIRCUIT LENGTH (MILES)	-	7.7	
6. CUSTOMER COUNT FOR THIS CIRCUIT		86	
7 DATE OF LAST CIRCUIT TRIM (VM)	20	18	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	NG WITH PERCENTAGE OF TOTAL OUTAGE		
NUMBERS REPRESENTED BY EACH CAUSE	Ξ		
	SAIDI	SAIFI	
Equipment		17%	
Lightning		41%	
Squirrel		0.5%	
Unknown Cause		41%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	2	50	
10. REPORTING YEAR (SAIDI)	1	40	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.25	84	
12. REPORTING YEAR (SAIFI)	2.34	88	
13. CORRECTIVE ACTION PLAN			
Jackson Energy field personnel atte	mpt to identify the cau	use of every outage.	

CIRCUIT #: 64

1. SUBSTATION NAME AND NUMBER	Three Links	03S084	
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)			
52 Climax Rd., Mount Vernon, KY 40456			
3. CIRCUIT NAME AND NUMBER	Red Hi	ll F2	
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)			
HWY 1912, HWY 1955, Cooksburg, Eglon, HW	'Y 1004		
5. TOTAL CIRCUIT LENGTH (MILES)		56.6	
6. CUSTOMER COUNT FOR THIS CIRCUIT		282	
7 DATE OF LAST CIRCUIT TRIM (VM)	2	2018	

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.1%	0.4%
Equipment	2%	4%
Ice/Snow	1%	0.2%
Maintenance	0.1%	1%
Scheduled	55%	50%
Squirrel	2%	4%
Thunder Storm	9%	12%
Tree/Limb out of ROW	29%	28%
Unknown Cause	1%	1%

Wind	1%	0.5%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	315		
10. REPORTING YEAR (SAIDI)	588		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.9237		
12. REPORTING YEAR (SAIFI)	3.039		
13. CORRECTIVE ACTION PLAN	None		

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CIRCUIT #: 65

1. SUBSTATION NAME AND NUMBER	Three Links	03S084		
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)			
52 Climax Rd., Mount Vernon, KY 40456				
3. CIRCUIT NAME AND NUMBER	Dispunt	anta F3		
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)			
Southwest along HWY 1912				
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>	6	60.7		
6. CUSTOMER COUNT FOR THIS CIRCUIT	;	398		
7 DATE OF LAST CIRCUIT TRIM (VM)	2018 Schedu	led for 2023		
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCEN	TAGE OF TOTAL OUTAGE		
NUMBERS REPRESENTED BY EACH CAUS	E			
	SAIDI	SAIFI		
Animal / Bird	16%	20%		
Equipment	3%	3%		
Ice/Snow	0.1%	0.1%		
Lightning	0.3%	0.2%		
Squirrel	1%	1%		
Thunder Storm	1%	0.2%		
Tree/Limb out of ROW	17%	32%		
Unknown Cause	10%	15%		
Vehicles/Heavy Equipment	1%	0.3%		
Wind	51%	28%		
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		399		
10. REPORTING YEAR (SAIDI)	405			
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.3478			
12. REPORTING YEAR (SAIFI)	3.7	864		
13. CORRECTIVE ACTION PLAN				
Jackson Energy attempts to identif	y and remove trees th	at pose an		
outage risk but are located outside	outage risk but are located outside of the Right-of-Way (ROW).			

1. SUBSTATION NAME AND NUMBER	Tyner	03E013
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
Tyner Tower Rd., Tyner, KY 40486	,	
3. CIRCUIT NAME AND NUMBER	Zekes F	Point F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
Zekes Point, Maulden, Island City	,	
5. TOTAL CIRCUIT LENGTH (MILES)		43
6. CUSTOMER COUNT FOR THIS CIRCUIT		229
7 DATE OF LAST CIRCUIT TRIM (VM)		022
3. LIST OUTAGE CAUSES FOR CIRCUIT AL		
NUMBERS REPRESENTED BY EACH CAUS		
	SAIDI	SAIFI
Equipment	1%	1%
Maintenance	1%	7%
ROW Crew	4%	6%
Scheduled	1%	3%
Squirrel	4%	8%
Thunder Storm	1%	1%
Tree/Limb out of ROW	55%	42%
Unknown Cause	1%	3%
Vehicles/Heavy Equipment	1%	1%
Vines/Kudzu	0.3%	0.4%
Wind	31%	28%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		201
10. REPORTING YEAR (SAIDI)		340
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.6	104
12. REPORTING YEAR (SAIFI)	2.	393
13. CORRECTIVE ACTION PLAN		
Jackson Energy attempts to identif	y and remove trees th	at pose an
outage risk but are located outside		
		,
CIRCUIT #: 67		
1. SUBSTATION NAME AND NUMBER	West London 1	03E048
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
436 West Laurel Rd., London, KY 40741		
3. CIRCUIT NAME AND NUMBER	HWY 22	29 F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
Along HWY 192 and HWY 229 to Conley Rd	<i>.</i>	
5. TOTAL CIRCUIT LENGTH (MILES)		29
		527
6. CUSTOMER COUNT FOR THIS CIRCUIT		521

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI	
Animal / Bird	3%	5%	
Maintenance	1%	1%	
Squirrel	12%	15%	
Thunder Storm	19%	12%	
Tree/Limb out of ROW	3%	4%	
Unknown Cause	38%	49%	
Vehicles/Heavy Equipment	6%	5%	
Vines/Kudzu	16%	8%	
Wind	2%	1%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		34	
10. REPORTING YEAR (SAIDI)		53	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.3883		
12. REPORTING YEAR (SAIFI)	0.7761		
13. CORRECTIVE ACTION PLAN			
Jackson Energy field personnel att	empt to identify the ca	use of every outage.	

INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

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Additional page may be attached as needed,

The vegetation management plan is attached in a separate Microsoft Word document.

SECTION 7: UTILITY COMMENTS

We experienced a significant storm at the end of March and historic flooding at the end of July which caused some prolonged outages on our system due to water levels. We also experienced a more active summer storm season than we have had in many years.

All of these factors contributed to our increased SAIDI and SAIFI statistics for 2022.

Jackson Energy Cooperative Engineering & Operations Department 115 Jackson Energy Lane McKee, KY 40447 606-364-1000

VEGETATION MANAGEMENT PLAN GUIDELINES, METHODS AND PROCEDURES

Revised: August 2022

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Section 1.0 Definitions

- A. "JEC" shall mean Jackson Energy Cooperative.
- B. "Contractor" shall mean the successful Bidder to whom a Contract is awarded.
- C. "Work" shall refer to everything agreed to be done and furnished by the Contractor including all supervision, supplies, labor, transportation and equipment together with all responsibilities and obligations imposed by the Contract Documents.
- D. "Equipment" shall mean the trucks, trailers, tools, saws, and other apparatus which are owned and operated by the Contractor and which are required to be maintained by the Contractor for the performance of the Contract in accordance with the Specifications.
- E. "Specifications" shall mean all specifications pertaining to the Work to be performed.
- F. "Contract" shall mean the fully executed document which binds the interested parties in an agreement to fulfill all terms, conditions, and specifications.
- G. "Invitation for Bids" shall be the means by which JEC solicits bids from Prequalified Contractors for Work which JEC may from time to time deem necessary to have performed.
- H. "Install", "Furnish", "Provide", or words of like import shall mean the Contractor shall install, furnish, or provide, and similarly the words "Approved", "Authorized", "Required", "Satisfactory", "Acceptable", or words of like import shall mean, as applicable, approved by, authorized by, required by, satisfactory to, or acceptable to JEC, unless otherwise expressly stated.
- I. "Prequalified Contractor" shall mean a contractor who is determined by JEC to be eligible to bid on the Work, subject to any of JEC's conditions, but such status shall not imply or infer compliance with any of the requirements of the Contract, Specifications or other Contract Documents.
- J. "Tree" shall mean any woody vegetation with a DBH of 4 inches or greater.

K. "Brush" shall mean any vegetation with a DBH of less than 4 inches.

Section 2.0 Bidder's <u>Qualifications</u>

- 2.1 Bids will be accepted only from well established and qualified licensed contractors, trained and experienced in the clearing of power line rights of way and tree trimming that have been approved by JEC as a Pre-qualified Contractor. No bid will be considered from any Contractor unless they are known to be skilled and were previously engaged in work of a character and scope consistent with these bid specifications.
- 2.2 Bidders must show that their equipment and facilities are sufficient, and their workload so arranged as to meet the schedules called for by the Contract without the use of subcontractors. In order to aid JEC in determining the responsibility of any Bidder, the Bidder shall furnish evidence, satisfactory to JEC, of the Bidder's qualifications, experience and familiarity with work of the character specified and his or her financial ability to properly prosecute the proposed work to completion.
- 2.3 Unless previously approved, each Bidder shall submit to JEC a Contractor's Prequalification Application Form, available at JEC's office, and must be subsequently approved by JEC as a Pre-qualified Contractor in order to receive a formal Invitation to Bid. JEC will only accept bids from Bidders who have been approved by JEC as a Pre-qualified Contractor.

Section 3.0 Instructions to Bidders

3.1 Bids that are sent by U.S. Postal Service or private carrier shall be clearly marked "BID ENVELOPE ENCLOSED". The bid shall be sealed in a separate envelope and shall have the following information shown on the outside of the envelope:

BID FOR: Power Line Right of Way Clearance and Tree Trimming

BID DUE:	2:00 p.m	. November	1 st	2022
			_	

OWNER: Jackson Energy Cooperative

BIDDER:

Envelope must be addressed and submitted to:

Jackson Energy Cooperative ATTN: Mr. Jim Ball 115 Jackson Energy Ln. McKee, Kentucky 40447

Any bid not conforming to these requirements will not be considered.

- 3.2 Before submitting a bid, each Bidder must (a) examine the Contract Documents thoroughly, (b) visit the system to become familiar with local conditions that may in any manner affect cost, progress, or performance of the work, (c) have knowledge of all federal, state and local laws, ordinances, rules and regulations affecting performance of the work, and (d) carefully correlate the Bidder's observations with the requirements of the Contract Documents.
- 3.3 Each bid shall be carefully prepared in accordance with the JEC Specifications referenced in the Contract Documents.
- 3.4 Each bid shall be signed by a representative of the Bidder who is authorized to make contractual obligations for the Bidder and shall give the Bidder's full business address. Bids by partnerships shall be signed with the partnership name followed by the signature and designation of one of the partners or other authorized representatives.
- 3.5 Bids by a corporation shall be signed in the name of the corporation, followed by the signature and designation of the president, secretary, or other person authorized to bind the corporation. The name of all persons signing shall also be typed or printed.
- 3.6 Sealed bids will be opened in private the day the bids are due. Contractors will be notified of any awarded work after Board approval.
- 3.7 JEC reserves the right to reject any and all bids, waive any and all technicalities therein, disregard all nonconforming or conditional bids, and evaluate and award bids on other than a low bid basis. By submission of a bid, Bidder thereby agrees to these stipulations and will not challenge JEC's decisions.
- 3.8 JEC may conduct such investigations as it deems prudent to establish the responsibility, qualifications, and financial ability of the Bidders. JEC's final selection of the best overall bid submitted, as determined solely by JEC, shall be based upon factors such as: financial stability of bidder; personnel experience and training; surveys of current and previous employers and previous work history with JEC; overall quality of equipment and organization; ability to adequately

serve JEC with full coverage, customer responsiveness and complaint processing; employee safety training, safety compliance and procedures, including drug-free workforce initiatives, etc.

- 3.9 If the Contract is awarded, JEC will give the successful Bidder due notice of award after its Board of Directors meeting on or after **December 7, 2022**. Work is expected to commence on this Contract **on or after January 1, 2023**, unless otherwise approved at JEC's option.
- 3.10 JEC may elect during the term of this Contract to award one (1) or more additional contracts for rights of way clearance and tree trimming via alternative contractual arrangements such as hourly rates, unit cutting, zone clearing, or lump sum cost for circuit trimming. Nothing contained herein shall be construed as prohibiting JEC from awarding such additional contracts as it deems necessary for the continued safe operation and maintenance of its electric distribution system.

Section 4.0 Introduction: Guidelines and Evaluation Methods

In order to maintain line clearance for public safety and electrical reliability, Jackson Energy Cooperative regularly undertakes tree pruning and herbicide activities. These activities are required in order to be compliant with NESC, as well as Kentucky Revised Statute, and guidelines promulgated by OSHA. This guide details the methods and guidelines which JEC uses to accomplish that goal.

<u>Goal:</u>

The goal of our right-of-way clearance program is to maintain line clearance for public safety and electric reliability.

Strategy:

Our strategy for clearing and maintaining line clearance is to arrange the entire system in operable units, defined by individual circuits or substations, and to operate line clearance activities on those units in a regular and scheduled manner.

Tactics:

The tactics involved are detailed in the following Guidelines. At the development stage of Jackson Energy's vegetation management plan, circuits were prioritized on the basis of last available date of trimming, and vegetation conditions found by onsite circuit inspections which occur incidentally throughout the year as a part of normal activities to determine circuit condition. Reliability, measured by the number of tree related outages expressed on a per circuit mile basis was further used to identify circuits which should be cleared the soonest, with the highest going first and so on. Circuit outages due to trees are regularly reviewed to determine if any adjustment of the trimming cycle to address changing conditions on the circuit is warranted. Onsite inspection further allows adjustment of these time frames should extraordinary circumstances warrant such an adjustment. Examples of such circumstances are insect infestation damage (Southern Pine Beetle, etc), heavy forest fire damage which will result in tree losses throughout the circuit, or weather-related instances. The effectiveness of the plan is evaluated by the reduction of the frequency of tree related outages, and the duration of tree related outages on the treated circuit. This is monitored by the contribution of tree related outages to both customer and system average interruption indices (SAIDI, SAIFI, and CAIDI). Reports generated by the dispatch Outage Management System (OMS) identify these circuits and the nature and frequency of outages. These reports are given daily, as well as accumulated monthly and annually to better define units needing attention.

Jackson Energy Cooperative conducts clearing activity in each circuit feeder to one full circuit clearing, encompassing floor, side and shade tree trimming each six years. Circuits and new construction units are then scheduled for chemical treatment to reduce floor vegetation within two years of full circuit clearing.

Section 5.0 General Requirements

- 5.1 Bidders bidding on herbicide treatment work shall be trained and licensed in the handling and use of chemicals and sprays, and shall furnish evidence of the same, for foliage, basal, and tree stump applications. Evidence shall include, without being limited to, the Bidder's Commercial Applicator's License Number certified in Category 6 Right of Way from the Kentucky Department of Agriculture.
- 5.2 If a Contractor utilizes a Hispanic work force, they shall have a general foreman capable of speaking Spanish. At least one member of every crew, ideally the working foreman shall be capable of speaking English in order to answer any questions a landowner or a representative of JEC might have.
- 5.3 A contract crew shall consist of all necessary personnel and all necessary tools and equipment as outlined in the Contractor's Pre-qualification Application Form, to safely and efficiently complete the work. JEC reserves the right to do any Work covered within this Contract by its own forces, to have such Work performed by other contractors, to cause such Work to be completed by other means, or to defer any Work to a future date.
- 5.4 Since Contractor(s) employees come in contact with JEC customers, they shall be completely dressed in suitable clothing which shall be clean at the beginning of each day. Identification badges or other forms of identification which displays the Company's name, contact information, position, etc. is required and must be shown to the customer upon request.
- 5.5 All motor trucks and other vehicles provided by the Contractor to perform the

Work shall bear the Contractor's number and shall be well marked and identified with company insignia or name designating the vehicles as property of the Contractor.

- 5.6 Contractor shall observe all generally recognized safety rules (including without limitation the provisions of the National Electrical Safety Code and ANSI Z133.1 2000 or latest edition thereof), regulations, and methods to prevent injury to all employees and other persons or damage to property of JEC or the public arising from its operations. Contractor shall observe all laws and regulations applicable to its operations including without limitation OSHA requirements, Kentucky Department of Transportation requirements, and Kentucky Department of Agriculture requirements.
- 5.7 Contractor shall secure from JEC information as to the nature of the electric circuits involved in all cases prior to commencement of Work in each area. Contractor acknowledges that JEC's electric circuits are to continue in normal operation during this Work, and Contractor shall provide and use all protective equipment necessary for the protection of its employees and to guard against interfering with the normal operation of these electric circuits. If a line is interrupted or damaged caused by work from this operation the Contractor will be responsible for cost of repairing and restoring that line.
- 5.8 Contractor shall immediately notify JEC of any irregular situations observed on JEC's system, including, without limitation, equipment or facility malfunctions, actual or potential safety problems, loose or sagging guy wires, damaged conductors, leaking transformers, damaged or defective poles, and any other seemingly unusual circumstance encountered by the Contractor.
- 5.9 If, during the term of the Contract, additional hourly crews or workers are needed to perform right of way clearing, tree trimming, chemical applications, JEC will first request such crews or workers from the Contractor then working for JEC. Should the Contractor fail to furnish additional crews or workers upon thirty (30) days written notice, JEC shall have the right to obtain additional crews or workers from other resources.
- 5.10 Contractor shall promote a drug and alcohol-free working environment.
- 5.11 Contractor(s) shall not perform or solicit any type of private tree trimming work on customer's property while actively engaged in performing work for JEC under this contract until all work on the circuit is completed.

Section 6.0 Work

6.1 Contractor shall perform all Work to the complete satisfaction of JEC and in accordance with all municipal, county, state and other local laws, ordinances, and

regulations applicable to Work of this character and nature. All Work performed by the Contractor is subject to inspection and approval by JEC. Any Work not meeting the minimums as set forth in these Specifications, or generally accepted line clearance standards, or Work which has been falsely represented in any fashion by Contractor shall be redone by the Contractor at no (zero) cost to JEC. Failure by JEC to inspect Contractor's Work shall in no way relieve the Contractor from any obligations, liabilities, or responsibilities in connection with the Contract.

- 6.2 Contractor agrees to provide adequate notice and if possible, obtain consent, for the necessary work from the property owner or public authorities having ownership or control over each tree to be trimmed or removed and/or all property to be cleared or sprayed. Contractor shall discuss with the property owner the type of work to be performed, identifying any and all trees that need to be trimmed or removed, the disposal of brush, any areas that need to be sprayed, and the proposed route of all vehicles and equipment traveling over the owner's property. When property owners cannot be contacted, door hangers shall be left to inform them that Contractor was present to trim trees. Hangers shall contain information as Company Name, Phone Number, etc. Whenever permission to do any work cannot be obtained, JEC shall be informed of the situation.
- 6.3 Contractor shall certify that complaints of any nature received from property owners or public authorities resulting from this Work will receive immediate attention and that all efforts will be made to effect a prompt adjustment. If any damage is done to the property of others by Contractor's workforce, Contractor shall repair and restore at its sole expense any such property and correct any damage inflicted thereto, all to the complete satisfaction of the owner(s) of the injured property. All complaints, and any action taken by Contractor in connection with such complaints, shall be reported to JEC.
- 6.4 Contractor shall secure all permits and licenses necessary for the Work to be performed and pay all charges and fees required for such permits and licenses.
- 6.5 Contractor(s) shall provide sufficient crews to complete the work in the specified time period. However, JEC expects that after work has begun on specified circuits, the Contractor's operation will progress on a continued basis with necessary staffing levels to complete the required circuit miles by the end of the term of the contract, which is **December 31, 2023**. Crew size, crew structure, crew equipment, and the need for any additional crews under this contract will be at the Contractor's sole discretion. Any work not completed by the specified date must still be completed by the Contractor. The inability to finish the work on time will also be considered and noted before any future bid work is granted to that Contractor.

Section 7.0 Notification/Authorization to Trim or Remove Trees

- 7.1 The Contractor shall provide the property owner(s) with notification of intent to conduct the required right-of-way clearance and cut stump herbicide application work. This contact shall precede any work done on any property. The work will then be scheduled for each crew. Any line clearance work done without proper notification must have specific approval by the authorized Jackson Energy representative. Jackson Energy must have **10 business days** notice requesting notification calls be sent by our automated machine before any contact takes place.
- 7.2 Verbal notification of the property owner for routine line clearance work is sufficient. If the property owner is not home, a notification card may be left on the door. Notification cards shall not be placed in any U.S. mailboxes. Notification cards shall only be used where the owner is likely to be present on site on a regular basis. Absentee owners may be notified by mail or by phone.
- 7.3 In the case of the industrial, municipal, county, state, or large private estate type of properties, the caretakers or other designated individual in the employ of the owners who is responsible for the trees or brush to be cut or trimmed is considered to represent the interest of the owner. Notification of such caretakers or grounds maintenance supervisors is sufficient.
- 7.4 For both bid and T&M crews, the contractor shall maintain a written daily log of all property owner notification and/or refusals by personal contact, letter, phone call, and notification card. The log shall include a record of the date of initial contact, party contacted, address, any agreements entered or understanding reached, and any follow-up conducted. Contractor shall make an attempt to have landowner/member sign log sheet. Contractor shall also keep appropriate maps marked to reflect current **daily** progress for all projects/substation circuits.
- 7.5 If landowner refuses access, Contractor shall notify authorized Jackson Energy representative immediately.

Section 8.0 <u>Right of Way Clearing/Re-clearing Requirements</u>

- 8.1 Work within the boundaries of this project shall include clearing/re-clearing. The work may be performed on both urban/residential and rural sites where a specified or desired right-of-way shall be established, reestablished and maintained. Trimming shall adhere to ANSI A300 guidelines and OSHA Safety regulations. If the crown of a tree or any branches are within the right-of-way boundaries, even though the base of the tree is outside of the right-of-way boundary, this tree will be considered as part of the Bid Project and shall be removed or trimmed to meet the guidelines (i.e. overhang from a tree outside of right of way).
- 8.2 Techniques consistent with the practices of directional, natural, lateral, and drop crotch trimming should be utilized. Drop crotch pruning consists of reducing tops, sides, or individual limbs and avoids cutting back to small suckers. Directional

pruning or trimming shall be used to direct or train future tree growth or sprouting away from the wires. Tree trimming required on coniferous trees (pine, spruce, hemlock, etc.), along the established tree edge shall involve the removal and/or trimming of limbs that are encroaching the right-of-way. Removal of the limbs will be back to the main stem, trunk, and/or to suitable live lateral branch.

- 8.3 The practices of "shearing", "flat-topping", "pollarding', "stubbing", and "rounding over" shall not be permitted anywhere along Jackson Energy's lines.
- 8.4 Right of way clearing and tree trimming shall be performed on all primary lines. All tree trimming on right-of-way boundaries shall be ground to sky. Tree removals will be concentrated to trees that may pose a threat to primary lines (i.e. danger trees), trees of a fast-growing species (i.e. maples, and poplars) and trees requested by landowners to be removed within the Row. Trees that are outside of the Row will be trimmed to obtain proper clearance. Contractors are not responsible for tree removals requested by landowners that are outside of the Row unless such trees are hazard trees. Emphasis shall be placed on removing trees in the 4-12-inch range, where approval is granted by the property owner. Trees larger than 4-12 inch shall be trimmed if reasonable clearance can be obtained to avoid contact with primary lines until the next trim cycle, unless otherwise requested by the landowner.
- 8.5 Where trimming only is permitted, the lateral pruning method shall be employed. Clearances following our right of way widths for single and three phase lines shall be obtained wherever possible. Trees where landowners may refuse to allow these clearances shall have clearances that will provide a minimum of ten (10) feet of unobstructed space (any direction) from JEC's conductors, including the system neutral.
- 8.6 When working on the floor of unmaintained areas any brush less than 3 feet in height will be left and will be sprayed the year after work on this circuit is complete. Any brush higher than 3 feet must be cut during work on that circuit.
- 8.7 As designated by the authorized Jackson Energy representative **fruit bearing trees** that remain within the right-of-way shall be trimmed not removed in accordance to the Jackson Energy right-of-way clearing guidelines unless otherwise notified by the property owner.
- 8.8 Existing right of way consisting of primary lines shall be cleared to meet the clearance standards below. If the existing Right-of-Way is in such condition that the clearances below are already achieved, then no work is needed. In the event that the right-of-way clearance is not sufficient then work will progress in accordance with these specifications. Normal right of way widths are as follows:
 - a.) Three-Phase Primary lines 40 ft.

- b.) Single-Phase Primary lines 30 ft.
- 8.9 Secondary lines and Individual services will not be the responsibility of the Contractor on Circuit bids. Secondary circuits include all right-of-way between the Jackson Energy owned pole with transformer and the final Jackson Energy owned pole. Clearing of secondary services will be the responsibility of the landowner unless a hazardous situation exists that would not allow them to maintain those lines. If such a hazard exists a service man will be dispatched to trim enough to allow swing clearance of the secondary wire. If a landowner requests to remove a tree near a service wire, JEC will temporarily take down the wire while the landowner resolves the removal of the tree in question.
- 8.10 All overhead guy stubs, anchors, and riser poles, shall be cleared of all vines and vegetation to allow reasonable access to that facility for maintenance and serviceability. Generally, this would include the area within 5 feet of the pole or equipment.
- 8.11 Unless otherwise specified by JEC, all removals shall be as close to the ground as the topography and type of soil will allow, with a maximum remaining height of three (3) inches for brush stubs and three (3) inches for tree stumps. Stumps resulting from circuit clearing will **NOT** need to be treated due to spray work scheduled for the following year. Actual product to be used must be approved by Jackson Energy. Applicators must be licensed by the Kentucky Department of Agriculture. The contractor assumes any and all liability that may arise as a result of the misapplication of the cut stump treatment. All communications concerning notifications and refusals of cut stump herbicide applications must be recorded in the written daily log kept by the contractor and referenced to the specific property in question
- 8.12 Mechanical Clearing and Re-Clearing work will be permitted where applicable. After any mechanical operation, if any damages to property exist, the Contractor shall restore the land to the natural contour existing prior to the start of the work (i.e. ruts caused by machinery). This must be accomplished to the satisfaction of Jackson Energy and the landowner.
- 8.13 All work is to be performed under the supervision of the contractor. <u>Work shall be</u> <u>conducted in a manner such that all phases of the clearing and/or reclearing work</u> <u>shall progress concurrently, (i.e., cutting, disposal and final cleanup).</u> Jackson Energy has the sole authority to designate the class of right-of-way. If any recent right-of-way clearing/reclearing is encountered, and it does not conform to these specifications, it must be included in the bid.
- 8.14 Disposal of operation wood residue such as brush, wood, large sections of tree trunks, large limbs, wood chips, and other such products produced or generated by this operation on the JEC system shall not obstruct roads, paths, or waterways. Disposal of said residue shall be the sole responsibility of the Contractor and at

approved locations. All disposal costs shall be included in the cost submitted on the JEC bid. When approved by property owners, logs and brush may be left "wind-rowed" along the outer edges of the right of way. In general, unless otherwise approved by the property owner, the premises of the property owner shall be left as neat as before the Work started.

- 8.15 Disposal of wood from Urban areas and or Yards will consist of the clean up of all brush and large wood will be cut and stacked. The Contractor will not be responsible for the removal of large wood. Cleanup of wood resulting from the removal of a tree will be the responsibility of the landowner. The area will be left in a neat fashion as it was before work was completed unless otherwise instructed by the property owner. Disposal of wood and brush in Unmaintained Right of Ways will consist of wind rowing the brush and wood to the outer edge of the right of way.
- 8.16 Members requesting **Timber** of a merchantable size to be left will be cut in lengths of 100 inches unless otherwise specified by the landowner. The timber will be piled on the edge of the right of way and will become the responsibility of the landowner to remove.
- 8.17 Any dead trees or trees deemed to be a hazard even if beyond the right of way, which would strike the line in falling, shall be removed. Contractors are also responsible for any hazardous trees missed upon inspection and will be sent back to remove these hazards. (*Hazard trees may include but not limited to dead or dying trees, trees with visible cankers or rots, severe leaning trees, and trees with severe animal or mechanical damage showing signs of rot*).
- 8.18 Vines on poles, guy wires, and equipment shall be removed and cut off at ground level and the area surrounding the pole and/or equipment.

Section 9.0 Options for Refusals/Reluctance to Yield Right-of-Way

9.1 Options to modify right-of-way clearing may be offered to individual landowners or groups of adjacent landowners that object to clearing according to the standards indicated by the Jackson Energy right-of-way program. In providing these options, Jackson Energy seeks to enable individual members to choose methods for right-of-way clearance that best address their concerns while preventing the burden of costs for use of non-standard procedures from being placed upon Jackson Energy members as a whole.

Because of varying site conditions, not all options will be offered in all locations. Options that may be available for a particular site include:

Grinding of stumps:

Stump Grinding will not be used on the JEC system unless authorized by a representative of JEC. If any stump grinding is utilized by JEC the Contractor will be compensated at an hourly rate.

Relocation of lines:

with Where consistent Jackson Energy standards for line maintenance/improvement, rerouting of lines or moving lines underground at the member's expense will be considered. Rerouting must follow Jackson Energy guidelines, and accessibility to the lines must be as good as or better than at the original location. In locations where groups of landowners must agree to rerouting, it is the responsibility of the interested landowners to negotiate agreement with adjacent landowners and obtain necessary easements before rerouting can proceed. If such agreement cannot be obtained within a time frame specified by Jackson Energy, right-of-way clearing will proceed unless other options are negotiated individually with Jackson Energy.

Replacement Tree Voucher:

Subject to agreement with the landowner, Jackson Energy may assume or share reasonable costs for providing a voucher for member to purchase a replacement tree. Trees/shrubs must be replaced with an approved species planted at an appropriate distance from the lines and members are responsible for their care. Jackson Energy reserves the right to limit quantities of replacement tree vouchers and no more than one replacement voucher will be allowed per member/location.

Section 10.0 <u>Use of Chemicals and Sprays</u>

- 10.1 The Contractor shall ensure that the on-site applicator be certified by the Kentucky Department of Agriculture, Division of Pesticides. Only certified applicator(s) may apply herbicide on Jackson Energy right-of-way. Copies of applicators licenses shall be given to Jackson Energy prior to starting any projects.
- 10.2 All herbicides used by the contractor shall be approved by Jackson Energy and used in accordance with the manufacturer's specifications on the label. Herbicides with a <u>National Fire Protection Association (NFPA) health rating</u> of 3 or greater shall not be used on Jackson Energy's system unless specifically approved by Jackson Energy. Contractor shall be responsible for purchasing, storing, and furnishing chemicals to its crews.
- 10.3 There will be no herbicide application on National Forest or other State or Federally owned lands unless authorized with proper permits and authorization from the proper manager of those lands.

- 10.4 All herbicide treatment crews shall have the ability to perform foliar and basal chemical treatment where applicable. All grasses, ferns, herbaceous plants, annual weeds, and annual plants, and those compatible non-woody species shall not be treated unless directed to do so by the authorized representative.
- 10.5 Treatment Around Poles and Guy Wire Attachments Cut off all vines ascending all poles and guy wires at the height of reach. Treat with herbicides all vines below cutting and other vegetation, which may interfere with Jackson Energy's facilities from all poles and guy wires. In the case of kudzu vines, Jackson Energy must be notified within 2 days of the existence of this condition, in order for us to place kudzu guards the pole and guide wires.
- 10.6 Herbicide treatment of right of way may be done at various locations using suitable herbicides to control vegetation particular to that location. Detailed records of the applicator's name, property owner permission, date, location, amount and type of herbicide used shall be kept and copies furnished to JEC on a routine basis or upon completion of the job. Prior to commencement of any Work involving the application of chemicals, the Contractor shall thoroughly familiarize and inform himself of all local conditions and other factors which could or might affect herbicide treatment.
- 10.7 Unless otherwise specified by JEC, the Contractor shall mix and apply the herbicides in accordance with the recommendations of the manufacturer's label and the following general specifications:
 - (a) For Foliage Application: This method shall be used only on brush during the active plant growth period, generally between May 1 and September 1. Herbicide mixture shall be applied to completely wet the entire leaf, stem and trunk surface of each plant.
 - (b) <u>For Basal Application</u>: This method shall be used on brush of any size at any season of the year. Herbicide mixture shall be applied to completely wet the entire surface of the stem or trunk from the root-crown up the stem eighteen (18) inches, with emphasis on completely wetting the root-crown.
 - (c) <u>For Stump Application</u>: This method shall be used on all new stumps at any season of the year. Stumps shall be treated as soon as practical, but always on the same day that the cutting is performed. Herbicide mixture shall be applied in sufficient volume to completely wet the sapwood, the area around the outer edge of stump.
- 10.8 Contractor shall not be obligated to treat any portion of a line where damages to crops, orchards, or ornamental plants may result from chemical drift.
- 10.9 JEC will have the right to specify when and where herbicide application and/or herbicide treatment will be used in rural areas or otherwise.
- 10.10 Contractor's use of herbicides in connection with the Work shall be in strict compliance with all federal and state laws, rules and regulations which from time

to time govern the use of herbicides. By undertaking to perform any part of the Work in which chemicals are used, the Contractor certifies that Contractor is familiar with, has complied with, and at all times will comply with all requirements (including but not limited to those relating to training and the giving and posting of all required notices) under all of the foregoing laws, rules and regulations and further, the Contractor shall indemnify and hold harmless Jackson Energy and its directors, officers, employees and agents from and against any liability, claim, demand, cause of action of every kind and description, damage, losses and expenses, including attorney's fees through appeals, arising or resulting from the Contractor's non-compliance with or violation of any of the foregoing laws, rules or regulations.

- 10.11 Chemical spills shall be immediately cleaned-up in a manner consistent with label restrictions, Federal and State regulations, and acceptable environmental procedures mandated by law. Any and all notifications to proper authorities in connection with such spills shall be made by the Contractor. Each crew responsible for herbicide applications shall be supplied with a suitable spill response kit for cleaning-up and neutralizing spills of chemicals, all at the sole expense of the Contractor. Contractor shall insure that its employees are trained in the proper techniques for spill response and are supplied with the necessary personal protective equipment required to perform spill mitigation duties.
- 10.12 Contractor shall at all times be solely responsible for the continuous safeguarding of its workforce, including compliance with all applicable Federal, State, and local laws, together with its responsibilities for training its employees in the proper methods and use of personal protective equipment required for handling herbicides used in connection with this Work.

Section 11.0 Safety to Employees and the Public

- 11.1 The contractor shall obtain full information from Jackson Energy as to the voltage of its circuits before starting the various parts of the work.
- 11.2 The Contractor shall at all times conduct the work in a manner as to safeguard the public from injury to persons or property, and shall comply with the regulations set forth in OSHA 1910.269, OSHA 1910.331, OSHA 1910.266 Logging Standard and ANSI Z133.1 1994. All provisions of Jackson Energy safety policy, as detailed in the Jackson Energy Safety Manual, further apply to all contractors on Jackson Energy.
- 11.3 The contractor shall use all necessary protection for its employees and to guard against interference with the normal operation of the circuits. If, in the judgment of the Contractor's General Foreman/Supervisor, it is hazardous to trim or remove trees with the circuits energized, the authorized Jackson Energy representative(s) shall be contacted. If deemed appropriate, the necessary protection or de-

energizing the circuits will be provided by Jackson Energy to ensure the safe removal of the affected tree parts.

- 11.4 Should the Contractor knock down or come in contact with Jackson Energy's conductors, Jackson Energy's main office <u>must be notified immediately.</u> The following telephone number shall be used: 1-606-364-1236, directing the call to "Dispatch".
- 11.5 When applying herbicides, the contractor shall at all times take all reasonable precautions for the safety of employees on the work and of the public by utilizing safety equipment and methods in accordance with the manufacturer's specifications on the herbicide label. Contractor shall comply with all applicable provisions of Federal, State, and local laws specifically including 302 KAR Chapters 27, 28 and 29 relating to the use and application of herbicides. Contractor will furnish copies of any required licenses, certifications or permits to Jackson Energy upon request.

Section 12.0 <u>Work Assignments</u>

- 12.1 The Contractor shall advise JEC on a daily basis as to the location of all crews, any and all crew movements throughout the day, the progress of the Work assigned, and any problems or unusual occurrences. JEC will provide the Contractor with necessary copies of JEC's system maps to aid in routing crews throughout our service area.
- 12.2 Contractor shall make available its crews for emergency work as determined by JEC, day or night, weekends, holidays, or during any natural disasters such as ice or snowstorms, tornadoes and other strong storms, etc. Contractor shall furnish an emergency work price list to JEC along with their bid. Contractor shall furnish JEC the name and telephone number of the person to contact for emergency crews. Contractor may be asked to assign additional crews to JEC's system if the emergency is severe or of long duration.
- 12.3 Contractor shall submit to JEC a progress report at the end of each week containing the following information:
 - (a) Each crew's work location and the progress report for each crew
 - (b) The areas sprayed and/or bush-hogged
 - (c) The quantity and type of each unit cut by each crew
- 12.4 Reasonable working hours shall be utilized for lump sum cost for circuit work. Contractor shall be free to determine working days and hours to suit his needs with the following exceptions. There shall be no work on Saturday or Sunday and on JEC designated holidays without approval by a designated JEC representative. In general, the normal workweek for lump sum work should consist of forty (40) productive hours between 7:00 a.m. and 6:00 p.m., Monday through Friday, unless

otherwise approved by JEC. The workday shall begin at the designated assembly location and end at the work site.

- 12.5 Jackson Energy properties will not be made available for the Contractor for crew starting points or for storing/garaging tools or equipment, unless authorized by the Jackson Energy representative.
- 12.6 JEC shall not be charged for time spent on maintenance of equipment, including without limitation fueling of vehicles, oil or antifreeze changes, changing and/or sharpening of chipper blades, and other similar maintenance and repair work. JEC will not render payment for equipment that is incapable of fully performing its intended function. Minor mechanical repairs such as sharpening and adjusting chain saws shall be permitted on JEC time.

Section 13.0 Supervision of Work and Workmanship

13.1 Contractor shall supervise and direct the Work, using the Contractor's best skill and attention. The Contractor shall be solely responsible for and have control over construction means, methods, techniques, and procedures.

13.2 Contractor is an independent contractor and neither Contractor nor any of its employees shall be deemed to be agents or employees of JEC.

- 13.3 The Contractor shall give prior notification of work start-up and when adding or changing crew. Complete the necessary reporting forms as needed. All reports, logs, timesheets, and paperwork shall be accurate, neat, and complete. Exaggerated, padded, or incorrect work report entries may result in the dismissal of the crew foreman and/or general foreman/supervisor. The crew foreman and/or supervisor shall maintain an up-to-date log of all property owner notification and/or refusals.
- 13.4 Contractor shall provide and maintain continually on the site of the Work during its progress and until its completion, adequate and competent supervision of all operations for and in connection with the Work being performed under this Contract, either personally or by a duly authorized representative. The General Foreman or other representative of the Contractor, who has charge of the Work thereof, shall be fully authorized to act for the Contractor and to receive whatever orders as may be given for the proper execution of the Work or notices in connection therewith.
- 13.5 Contractor shall employ only workers who are competent to perform the Work assigned to them and who are adequately trained and experienced in performing first-class Work of the character and magnitude required by this Contract and expected of reputable Contractor's performing work similar to the Work necessary under this Contract.

- 13.6 JEC will periodically review and evaluate crew performance based upon factors such as, but not limited to, quality of work, quantity of work, clearances obtained, safety awareness and public relations efforts.
- 13.7 Contractor shall be required to attend regular progress meetings with JEC to discuss the Work of this Contract, review crew evaluations, receive information as to future work locations for planning purposes and discuss any problems in prosecuting the Work under this Contract.

Section 14.0 <u>Contractor Caused Outages</u>

- 14.1 Anytime the Contractor feels that work can not be completed safely or an outage due to work associated with the clearing of the right of way is unavoidable he should ask for an outage to be scheduled by our line crews. We will have no problem with scheduling an outage to make the job safe.
- 14.2 Should the Contractor knock down or come in contact with Jackson Energy's conductors, Jackson Energy's main office <u>must be notified immediately.</u> The following telephone number shall be used: 1-606-364-1236, directing the call to "dispatch".
- 14.3 There will be a minimum charge of \$200 dollars for each Contractor caused outage for restoration costs. If the amount of restoration costs exceeds \$200 then the total amount for restoration will be charged to the Contractor.
- 14.4 If a Contract Crew causes an outage, that entire crew will not be allowed to work on the JEC system for 1 business day following the day of the outage. This will allow the contractor and JEC sufficient time to investigate and take any necessary actions to ensure future outages will be avoided.

Section 15.0 <u>Payment for Work</u>

- 15.1 The Contractor will be compensated for trimming at the fixed rate(s) designated in the bid. The Owner shall make a partial payment of 25% to the Contractor once one fourth of the Project has been inspected and approved. Another payment of 25% will be paid when one half of the project is completed and another 25% at three fourths of completion. The final payment will only be made at the end of the Project and only after the work has been inspected and approved. Invoices should be sent to the attention of: Mr. Eric Glovier 115 Jackson Energy Lane McKee, Kentucky, 40447.
- 15.2 Contractor(s) shall keep accurate records of its compensation at its principal office which will be available for audit by JEC during regular office hours.

- 15.3 The Contractor will be required to utilize daily time sheets provided by or approved by Jackson Energy. Timesheets shall be accurate, neat and complete, and shall detail time charged to individual work and service orders.
- 15.4 In order to receive payment for any **Combination Lump Sum/Unit Price** bid work the Contractor must supply with invoices a weekly detailed list of units cleared or trimmed and the location of these units. Inspection for accuracy shall be done by a representative of JEC before payment.

Section 16.0 <u>Hazard Tree Mitigation Project</u>

16.1 Jackson Energy has started a Hazard Tree Mitigation Project to address the issue of trees falling from outside of the right of way and still contacting power lines. For this project Jackson Energy is inspecting circuits that have a high number of outages from outside of the right of way. Trees to be marked during this inspection include all hazard trees that will strike the line if it falls whether inside or outside of the right of way. Hazard trees will include and tree that is dead, dying, decaying, or has severe lean towards any primary line. Once identified any hazard trees that are found will be removed by our contract right of way crews by bid work or hourly work.

Section 17.0 Indemnification

To the maximum extent permitted by law, Contractor shall defend, indemnify, and hold harmless Owner and Owner's directors, officers, and employees from all claims, causes of action, losses, liabilities, and expenses (including reasonable attorney's fees) for personal loss, injury, or death to persons (including but not limited to Contractor's employees) and loss, damage to or destruction of Owner's property or the property of any other person or entity (including but not limited to Contractor's property) in any manner arising out of or connected with the Contract, or the materials or equipment supplied or services per formed by Contractor, its subcontractors and suppliers of any tier. But nothing herein shall be construed as making Contractor liable for any injury, death, loss, damage, or destruction caused by the sole negligence of Owner.