SECTION 1: CONTACT INFORMATION

UTILITY NAME	Jackson Energy Cooperative
REPORT PREPARED BY	Ricky Caudill
E-MAIL ADDRESS OF PREPARER	rickcaudill@jacksonenergy.com
PHONE NUMBER OF PREPARER	606-364-9217

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT 2021

SECTION 3: MAJOR EVENT DAYS

T_{MED}	11.07
FIRST DATE USED TO DETERMINE T_{MED}	1/1/2021
LAST DATE USED TO DETERMINE T_{MED}	12/31/2021
NUMBER OF MED IN REPORT YEAR	12

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 CU	STOMERS 52928		TOTAL CIRCUITS	112
		Excluding ME	ED.	
	5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	203.0	SAIDI	224	
SAIFI	1.6830	SAIFI	1.9001	
		Including ME	D	
	5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	314.0	SAIDI	2661	

Notes:

SAIFI

- 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

1.9424

3) Reports cover the calendar year ending in the December before the reports are due.

SAIFI

3.2832

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-ROAD-TOWN)				
Welchburg Egypt Rd., Annville KY 40402				
3. CIRCUIT NAME AND NUMBER	Greenhill F3			
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)			
Greenhill Road to Sugar Camp - Moores Camp	Road			
5. TOTAL CIRCUIT LENGTH (MILES)		62.7		
6. CUSTOMER COUNT FOR THIS CIRCUIT		406		
7 DATE OF LAST CIRCUIT TRIM (VM)		2021		
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PERC	ENTAGE OF TOTAL OUTAGE		
NUMBERS REPRESENTED BY EACH CAUS	E			
	SAIDI	SAIFI		
Animal / Bird	0.1%	0.2%		
Ice/Snow	4%	2%		
Lightning	2%	2%		
Maintenance	28%	42%		
Scheduled	26%	22%		
Squirrel	1%	2%		
Thunder Storm	2%	2%		
Tree/Limb in ROW	1%	2%		
Tree/Limb out of ROW	18%	10%		
Unknown Cause	7%	11%		
Vehicles/Heavy Equipment	2%	1%		
Wind	8%	5%		
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		144		
10. REPORTING YEAR (SAIDI)		221		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.3369		
12. REPORTING YEAR (SAIFI)		2.2931		
13. CORRECTIVE ACTION PLAN	None			

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE

FOR SAIDI AND/OR SAIFI

CIRCUIT #: 2 3E092 1. SUBSTATION NAME AND NUMBER Annville 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Welchburg Egypt Rd., Annville KY 40402 3. CIRCUIT NAME AND NUMBER Welchburg F5 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Jackson County feeding toward Welchburg 5. TOTAL CIRCUIT LENGTH (MILES) 6.1 6. CUSTOMER COUNT FOR THIS CIRCUIT 47 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 25% Lightning 36% Maintenance 14% 51% Scheduled 50% 25% 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 231 295 10. REPORTING YEAR (SAIDI) 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.8423 12. REPORTING YEAR (SAIFI) 3.617 13. CORRECTIVE ACTION PLAN None **CIRCUIT #:** 3 1. SUBSTATION NAME AND NUMBER Beattyville 3E125 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) 74 Thunder Road, Beattyville, KY 41311 Heidelberg F4 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) HWY 52, HWY 11 and across hills to Heidelberg 5. TOTAL CIRCUIT LENGTH (MILES) 86.7 6. CUSTOMER COUNT FOR THIS CIRCUIT 819 7.. DATE OF LAST CIRCUIT TRIM (VM) 2017 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE SAIDI SAIFI Animal / Bird 1%

Equipment	38%		
Flood	15%		
Ice/Snow	0.2%		
Lightning	13%		
Maintenance	3%		
Scheduled	1%		
Squirrel	1%		
Thunder Storm	4%		
Tree/Limb in ROW	1%		
Tree/Limb out of ROW	16%		
Unknown Cause	3%		
Vines/Kudzu	1%		
Wind	2%		
Woodcutter	2%		
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		261	_
10. REPORTING YEAR (SAIDI)		347	_
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.16		_
12. REPORTING YEAR (SAIFI)	1.85	535	_
13. CORRECTIVE ACTION PLAN			_
Equipment issues were located and	corrected.		_
			_
			_
			_
CIRCUIT #: 4	D: 0 1	05400	_
1. SUBSTATION NAME AND NUMBER	Big Creek	3E102	_
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD		3E102	-
 SUBSTATION NAME AND NUMBER SUBSTATION LOCATION (COUNTY-ROAD North Hwy. 66, Manchester, KY 40962 	D-TOWN)		_
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER	Jacks Ci		_
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER	Jacks Ci		_
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road	Jacks Ci	reek F1	_
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES)	Jacks Ci RAL AREA)	reek F1 1.7	_
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT	Jacks Co RAL AREA)	reek F1 1.7 72	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM)	Jacks Co RAL AREA)	reek F1 1.7 72	_ _ _ _
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	Jacks Control (1975) AL AREA) 2 1 20 NG WITH PERCENT	reek F1 1.7 72	_ _ _
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM)	Jacks Control (1975) AL AREA) 2 1 20 NG WITH PERCENT	reek F1 1.7 72	_ _ _ _
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	Jacks Control (1975) Jacks Control (1975) AL AREA) 2 1 20 NG WITH PERCENT	1.7 72 018 AGE OF TOTAL OUTAGE	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE	Jacks Control (1975) Jacks Control (1975) AL AREA) 20 20 20 20 20 31 32 31 32 32 33 34 34 35 36 36 36 36 37 36 37 37 38 38 38 38 38 38 38 38 38 38 38 38 38	1.7 72 018 AGE OF TOTAL OUTAGE SAIFI	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird	Jacks Control (1975) Jacks Control (1975) AL AREA) 20 20 20 20 20 20 20 20 20 20 20 20 20	1.7 72 018 AGE OF TOTAL OUTAGE SAIFI 6%	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Bad Connection	Jacks Control (1975) Jacks Control (1975) AL AREA) 2075 PING WITH PERCENT SAIDI 4% 0.1%	1.7 72 018 AGE OF TOTAL OUTAGE SAIFI 6% 0.2%	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Bad Connection Mudslide	Jacks Control Ja	1.7 72 018 AGE OF TOTAL OUTAGE SAIFI 6% 0.2% 41%	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Bad Connection Mudslide Thunder Storm	Jacks Control Ja	1.7 72 118 AGE OF TOTAL OUTAGE SAIFI 6% 0.2% 41% 1%	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Bad Connection Mudslide Thunder Storm Tree/Limb out of ROW	SAIDI 4% 0.1% 37% 4% 46%	1.7 72 018 AGE OF TOTAL OUTAGE SAIFI 6% 0.2% 41% 1% 41%	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 100 North Hwy. 66, Manchester, KY 40962 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER HWY 66 to Hector Road and Joe Gilbert Road 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Bad Connection Mudslide Thunder Storm	Jacks Control Ja	1.7 72 118 AGE OF TOTAL OUTAGE SAIFI 6% 0.2% 41% 1%	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)			
		09	
10. REPORTING YEAR (SAIDI)	490		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.4286		
12. REPORTING YEAR (SAIFI)	2.74	.42	
13. CORRECTIVE ACTION PLAN			
Jackson Energy attempts to identif	•	·	
outage risk but are located outside	of the Right-of-Way (R	OW).	
CIRCUIT#: 5			
1. SUBSTATION NAME AND NUMBER	Big Creek	3E102	
2. SUBSTATION LOCATION (COUNTY-ROA		<u> </u>	
100 North Hwy. 66, Manchester, KY 40962	(D-10VVIV)		
3. CIRCUIT NAME AND NUMBER	Bear Bra	inch F2	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE			
East along HWY 421 in Big Creek Area			
5. TOTAL CIRCUIT LENGTH (MILES)		7.4	
6. CUSTOMER COUNT FOR THIS CIRCUIT		80	
7 DATE OF LAST CIRCUIT TRIM (VM)			
` ,	7 DATE OF LAST CIRCUIT TRIM (VM) 2019 B. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE		
NUMBERS REPRESENTED BY EACH CAUS		AGE OF TOTAL OUTAGE	
NOMBERO REI RESERVED DI ERON GROC			
	SAIDI	SAIFI	
Animal / Bird	6%	9%	
Scheduled	11%	7%	
Squirrel	8%	9%	
Tree/Limb in ROW	49%	37%	
Unknown Cause	26%	38%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	2	24	
10. REPORTING YEAR (SAIDI)		01	
	1.7412		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)			
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 12. REPORTING YEAR (SAIFI)	2.51	67	
12. REPORTING YEAR (SAIFI) 13. CORRECTIVE ACTION PLAN			
12. REPORTING YEAR (SAIFI) 13. CORRECTIVE ACTION PLAN Jackson Energy will review this fee	eder to determine if add	titonal ROW triming is needed.	
12. REPORTING YEAR (SAIFI) 13. CORRECTIVE ACTION PLAN	eder to determine if add	titonal ROW triming is needed.	
12. REPORTING YEAR (SAIFI) 13. CORRECTIVE ACTION PLAN Jackson Energy will review this fee	eder to determine if add	titonal ROW triming is needed.	
12. REPORTING YEAR (SAIFI) 13. CORRECTIVE ACTION PLAN Jackson Energy will review this fee Jackson Energy field personnel att	eder to determine if add	titonal ROW triming is needed.	
12. REPORTING YEAR (SAIFI) 13. CORRECTIVE ACTION PLAN Jackson Energy will review this fee Jackson Energy field personnel att CIRCUIT #: 6	eder to determine if add tempt to identify the cau	titonal ROW triming is needed. se of every outage.	
12. REPORTING YEAR (SAIFI) 13. CORRECTIVE ACTION PLAN Jackson Energy will review this fee Jackson Energy field personnel att CIRCUIT #: 6 1. SUBSTATION NAME AND NUMBER	eder to determine if add tempt to identify the cau Big Creek	titonal ROW triming is needed.	
12. REPORTING YEAR (SAIFI) 13. CORRECTIVE ACTION PLAN Jackson Energy will review this fee Jackson Energy field personnel att CIRCUIT #: 6 1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD)	eder to determine if add tempt to identify the cau Big Creek	titonal ROW triming is needed. se of every outage.	
12. REPORTING YEAR (SAIFI) 13. CORRECTIVE ACTION PLAN Jackson Energy will review this fee Jackson Energy field personnel att CIRCUIT #: 6 1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD) 100 North Hwy. 66, Manchester, KY 40962	eder to determine if add tempt to identify the cau Big Creek AD-TOWN)	titonal ROW triming is needed. see of every outage. 3E102	
12. REPORTING YEAR (SAIFI) 13. CORRECTIVE ACTION PLAN Jackson Energy will review this fee Jackson Energy field personnel att CIRCUIT #: 6 1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD)	eder to determine if add tempt to identify the cau Big Creek AD-TOWN)	titonal ROW triming is needed. see of every outage. 3E102	

5. TOTAL CIRCUIT LENGTH (MILES)

39.6

6. CUSTOMER COUNT FOR THIS CIRCUIT

487 2017

7.. DATE OF LAST CIRCUIT TRIM (VM)

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%
Bad Connection	0.03%	0.1%
Equipment	10%	28%
Ice/Snow	1%	2%
Lightning	0.03%	0.1%
Maintenance	1%	2%
Mudslide	0.1%	0.1%
Overload	3%	7%
Scheduled	4%	7%
Squirrel	0.1%	0.2%
Thunder Storm	26%	15%
Tree/Limb in ROW	1%	2%
Tree/Limb out of ROW	54%	33%
Unknown Cause	2%	3%

9.	CIRCUIT	5 YEAR	AVERAGE	(SAIDI)
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516

3E056

10. REPORTING YEAR (SAIDI)

954

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
12. REPORTING YEAR (SAIFI)

2.3162 3.4969

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).

Booneville

CIRCUIT #: 7 1. SUBSTATION NAME AND NUMBER

2. SUBSTATION LOCATION (COUNTY-ROAD-	-TOWN)	
Kash Brandenburg Cemetery Rd., Bonneville, KY	41314	
3. CIRCUIT NAME AND NUMBER	Lerose F1	
4. CIRCUIT LOCATION (TOWN-ROAD-GENERA	AL AREA)	
HWY 30 to Lerose in Owsley County		
5. TOTAL CIRCUIT LENGTH (MILES)	42	
6. CUSTOMER COUNT FOR THIS CIRCUIT	456	
7 DATE OF LAST CIRCUIT TRIM (VM)	2020	

	SAIDI	SAIFI
Equipment	20%	24%
Ice/Snow	0.3%	1%
Lightning	0.3%	1%
Maintenance	4%	25%
Scheduled	6%	6%
Thunder Storm	57%	29%
Tree/Limb out of ROW	7%	8%
Unknown Cause	1%	3%
Vehicles/Heavy Equipment	4%	2%
Woodcutter	0.3%	0.4%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		378
10. REPORTING YEAR (SAIDI)		591
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2	2.78
12. REPORTING YEAR (SAIFI)	4.3	333
13. CORRECTIVE ACTION PLAN		
Equipment issues were located and	d corrected.	

	_			
1. SUBSTATION NAME AND NUMBER	Booneville	3E056		
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)				
Kash Brandenburg Cemetery Rd., Bonneville, K	Y 41314			
3. CIRCUIT NAME AND NUMBER		Levi F3		
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)			
HWY 3504, HWY 11 to Tincher Hill Rd and Silo	Rd			
5. TOTAL CIRCUIT LENGTH (MILES)		20.3		
6. CUSTOMER COUNT FOR THIS CIRCUIT		273		
7 DATE OF LAST CIRCUIT TRIM (VM)		2021		

	SAIDI	SAIFI
Animal / Bird	2%	3%
Equipment	5%	5%
Ice/Snow	0.4%	0.2%
Lightning	9%	5%
Maintenance	1%	5%
Scheduled	6%	6%
Squirrel	4%	5%
Thunder Storm	17%	11%
Tree/Limb in ROW	7%	3%
Tree/Limb out of ROW	6%	7%

Unknown Cause	37%	44%
Vehicles/Heavy Equipment	6%	7%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		111
10. REPORTING YEAR (SAIDI)		185
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.9	575
12. REPORTING YEAR (SAIFI)	1.7	546
13. CORRECTIVE ACTION PLAN		
Jackson Energy field personnel atte	empt to identify the ca	use of every outage.
-		
CIDCUIT #		
CIRCUIT #: 9 1. SUBSTATION NAME AND NUMBER	Brodhead	3S082
2. SUBSTATION LOCATION (COUNTY-ROAL)		00002
Hwy 1505, Brodhead, KY 40409	D-10 () ()	
3. CIRCUIT NAME AND NUMBER	Brindle	Ridge F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENEI		rage i i
Along HWY 1505 east of Brodhead and north o	•	
5. TOTAL CIRCUIT LENGTH (MILES)		79.2
6. CUSTOMER COUNT FOR THIS CIRCUIT		816
7 DATE OF LAST CIRCUIT TRIM (VM)		017
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	-	
NUMBERS REPRESENTED BY EACH CAUSI		THE OF TOTAL COTAGE
NOMBERO REI REGENTED DI EAGIT GAGGI	_	
	SAIDI	SAIFI
Animal / Bird	1%	1%
Bad Connection	0.03%	0.02%
Equipment	42%	36%
Ice/Snow	0.2%	0.1%
Lightning	1%	1%
Maintenance	0.2%	1%
Scheduled	0.1%	0.2%
Squirrel	0.2%	0.2%
Thunder Storm	6%	3%
Tree/Limb in ROW	2%	1%
Tree/Limb out of ROW	12%	24%
Unknown Cause	12%	20%
Vehicles/Heavy Equipment	1%	1%
Vines/Kudzu	0.1%	0.1%
Wind	22%	12%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		366
10. REPORTING YEAR (SAIDI)		532
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.9	562

12. REPORTING YEAR (SAIFI)	5.5	65
13. CORRECTIVE ACTION PLAN		
Equipment issues were located and	d corrected.	
CIRCUIT #: 10		
1. SUBSTATION NAME AND NUMBER	Brodhead	3S082
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
Hwy 1505, Brodhead, KY 40409		
3. CIRCUIT NAME AND NUMBER	Orlando I	F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
Southeast of Brodhead toward Mt Vernon and F	Renfro Valley	
5. TOTAL CIRCUIT LENGTH (MILES)	45	5.6
6. CUSTOMER COUNT FOR THIS CIRCUIT	4	49
7 DATE OF LAST CIRCUIT TRIM (VM)	20	21
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PERCENTA	AGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	Ξ	
	SAIDI	SAIFI
Animal / Bird	0.1%	0.2%
Equipment	2%	2%
Ice/Snow	1%	0.1%
Maintenance	2%	3%
Scheduled	1%	3%
Squirrel	2%	2%
Thunder Storm	52%	46%
Tree/Limb in ROW	8%	7%
Tree/Limb out of ROW	3%	3%
Unknown Cause	8%	14%
Wind	14%	12%
Woodcutter	8%	8%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	2	35
10. REPORTING YEAR (SAIDI)	5	41
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.46	58
12. REPORTING YEAR (SAIFI)	3.1	18
13. CORRECTIVE ACTION PLAN	None	
CIRCUIT #: 11		
1. SUBSTATION NAME AND NUMBER	Campground	3S020
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	

3. CIRCUIT NAME AND NUMBER

Campground 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)

64.7

6. CUSTOMER COUNT FOR THIS CIRCUIT

1077

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	
1%	1%	
0.1%	0.1%	
1%	0.5%	
14%	43%	
2%	2%	
2%	2%	
1%	0.3%	
78%	50%	
1%	1%	
0.2%	0.04%	
	86	
	1% 0.1% 1% 14% 2% 2% 1% 78% 1%	0.1% 0.1% 1% 0.5% 14% 43% 2% 2% 2% 2% 1% 0.3% 78% 50% 1% 1% 0.2% 0.04%

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
12. REPORTING YEAR (SAIFI)

10. REPORTING YEAR (SAIDI)

95

03S103

13. CORRECTIVE ACTION PLAN

1.3733 2.2544

Jackson Energy attempts to identify and remove trees that pose an

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

CIRCUIT #: 12

1. SUBSTATION NAME AND NUMBER

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	
` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` ` `	
US HWY 25, Conway	
3. CIRCUIT NAME AND NUMBER	Copper Creek F1
	Copper Crock 1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	
Since it is a contract (15 viii 10 is a contract viii in it is a con	
South along US-25 toward Roundstone	
Coult along 00-23 toward Noundstone	

Conway

5. TOTAL CIRCUIT LENGTH (MILES) 63.6

6. CUSTOMER COUNT FOR THIS CIRCUIT 812

7.. DATE OF LAST CIRCUIT TRIM (VM) 2021

Animal / Bird	0.3%	1%
Equipment	0.1%	1%
Ice/Snow	44%	30%
Lightning	2%	2%
Maintenance	2%	1%
ROW Crew	0.1%	0.1%
Squirrel	0.05%	0.1%
Thunder Storm	8%	5%
Tree/Limb in ROW	0.3%	0.2%
Tree/Limb out of ROW	17%	31%
Unknown Cause	0.3%	0.3%
Vehicles/Heavy Equipment	25%	29%
7 1 1		
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		211
10. REPORTING YEAR (SAIDI)		403
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.6328
12. REPORTING YEAR (SAIFI)		3.3227
13. CORRECTIVE ACTION PLAN	None	
CIRCUIT #: 13		
1. SUBSTATION NAME AND NUMBER	Conway	03S103
2. SUBSTATION LOCATION (COUNTY-RO	AD-TOWN)	
US HWY 25, Conway	,	
3. CIRCUIT NAME AND NUMBER	Flat	Gap F2
4. CIRCUIT LOCATION (TOWN-ROAD-GEN		<u>'</u>
North along US-25 toward Berea	·,	
5. TOTAL CIRCUIT LENGTH (MILES)		16.5
5 5 // LE 5// (WILL 5)		

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

282

2020

	SAIDI	SAIFI
Ice/Snow	62%	38%
Maintenance	0.3%	1%
Scheduled	2%	4%
Squirrel	6%	11%
Tree/Limb out of ROW	0.2%	0.5%
Unknown Cause	26%	39%
Vines/Kudzu	0.1%	0.2%
Wind	3%	6%

6. CUSTOMER COUNT FOR THIS CIRCUIT

7.. DATE OF LAST CIRCUIT TRIM (VM)

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		171	
10. REPORTING YEAR (SAIDI)	331		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	IFI) 1.2108		
12. REPORTING YEAR (SAIFI)	2.1667		
13. CORRECTIVE ACTION PLAN		_	
Jackson Energy field personnel atte	empt to identify the ca	use of every outage.	
CIRCUIT #: 14	0	000400	
1. SUBSTATION LOCATION (COUNTY DOA	Conway	03S103	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOVVN)		
US HWY 25, Conway 3. CIRCUIT NAME AND NUMBER	Spoffold	Cane F3	
		Calle F3	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE Area East of US-25 toward Climax	RAL AREA)		
5. TOTAL CIRCUIT LENGTH (MILES)	5	4.6	
6. CUSTOMER COUNT FOR THIS CIRCUIT		4.0	
7 DATE OF LAST CIRCUIT TRIM (VM)		020	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC			
NUMBERS REPRESENTED BY EACH CAUS		AGE OF TOTAL OUTAGE	
NOWIDERS REFRESENTED BY EACH CAUS	_		
	SAIDI	SAIFI	
Animal / Bird	0.03%	0.04%	
Equipment	0.4%	0.3%	
Ice/Snow	17%	17%	
Lightning	4%	3%	
Maintenance	15%	28%	
Overload	0.2%	1%	
Scheduled	7%	8%	
Squirrel	6%	4%	
Thunder Storm	5%	4%	
Tree/Limb in ROW	1%	1%	
Tree/Limb out of ROW	29%	22%	
Unknown Cause	14%	11%	
Wind	1%	1%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	,	288	
10. REPORTING YEAR (SAIDI)	;	589	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.20	692	
12. REPORTING YEAR (SAIFI)	4.80	093	
13. CORRECTIVE ACTION PLAN			
Jackson Energy attempts to identify			
outage risk but are located outside	of the Right-of-Way (F	ROW).	

CIRCUIT #: 15		
1. SUBSTATION NAME AND NUMBER	East Bernstadt	03E015
2. SUBSTATION LOCATION (COUNTY-ROA		
280 Holland Road, East Bernstadt	,	
3. CIRCUIT NAME AND NUMBER	Swiss	Colony F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENEI		
West of I-75 along Glenview Road	,	
5. TOTAL CIRCUIT LENGTH (MILES)		19
6. CUSTOMER COUNT FOR THIS CIRCUIT		453
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PERCEN	TAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSI	Ξ	
	SAIDI	SAIFI
Customer Responsible	0.1%	0.2%
Equipment	82%	77%
Maintenance	2%	3%
Thunder Storm	5%	3%
Tree/Limb out of ROW	0.3%	0.4%
Unknown Cause	10%	17%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		76
10. REPORTING YEAR (SAIDI)		109
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0	.733
12. REPORTING YEAR (SAIFI)	1.2	2119
13. CORRECTIVE ACTION PLAN		
Equipment issues were located and	d corrected.	
CIRCUIT #: 16		
1. SUBSTATION NAME AND NUMBER	East Bernstadt	03E015
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
280 Holland Road, East Bernstadt		

2. SUBSTATION LOCATION (COUNTY-ROAD	-TOWN)	
280 Holland Road, East Bernstadt		
3. CIRCUIT NAME AND NUMBER	Ft. Sequayah F4	
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	AL AREA)	
US-25 North toward Hazel Patch		
5. TOTAL CIRCUIT LENGTH (MILES)	73.2	
6. CUSTOMER COUNT FOR THIS CIRCUIT	1022	
7 DATE OF LAST CIRCUIT TRIM (VM)	2019	

Animal / Bird		1%
Equipment		2%
Ice/Snow		0.04%
Lightning		0.3%
Maintenance		11%
Mudslide		3%
Scheduled		2%
Squirrel		4%
Thunder Storm		2%
Tree/Limb out of ROW		20%
Unknown Cause		7%
Vehicles/Heavy Equipment		40%
Wind		7%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	215	
10. REPORTING YEAR (SAIDI)	186	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.0712	
12. REPORTING YEAR (SAIFI)	2.455	
13. CORRECTIVE ACTION PLAN	None	
CIRCUIT #: 17		
CIRCUIT #: 17 1. SUBSTATION NAME AND NUMBER	Eberle	03E049
		03E049
1. SUBSTATION NAME AND NUMBER		03E049
SUBSTATION NAME AND NUMBER SUBSTATION LOCATION (COUNTY-ROAI		03E049
 SUBSTATION NAME AND NUMBER SUBSTATION LOCATION (COUNTY-ROAI 1601 Mt. Zion Rd., East Bernstadt, KY 40729 	D-TOWN) Peoples F2	03E049
SUBSTATION NAME AND NUMBER SUBSTATION LOCATION (COUNTY-ROAI 1601 Mt. Zion Rd., East Bernstadt, KY 40729 SUBSTATION LOCATION (COUNTY-ROAI 1601 Mt. Zion Rd., East Bernstadt, KY 40729 SUBSTATION LOCATION (COUNTY-ROAI 1601 Mt. Zion Rd., East Bernstadt, KY 40729	Peoples F2	03E049
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAI 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER	Peoples F2	03E049
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd	Peoples F2 RAL AREA) I, Chandler Rd	03E049
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES)	Peoples F2 RAL AREA) I, Chandler Rd 52.3	03E049
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT	Peoples F2 RAL AREA) I, Chandler Rd 52.3 475 2021	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM)	Peoples F2 RAL AREA) I, Chandler Rd 52.3 475 2021 DNG WITH PERCENTAGE	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	Peoples F2 RAL AREA) I, Chandler Rd 52.3 475 2021 DNG WITH PERCENTAGE	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	Peoples F2 RAL AREA) I, Chandler Rd 52.3 475 2021 DNG WITH PERCENTAGE	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	Peoples F2 RAL AREA) I, Chandler Rd 52.3 475 2021 DNG WITH PERCENTAGE	E OF TOTAL OUTAGE
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE	Peoples F2 RAL AREA) I, Chandler Rd 52.3 475 2021 DNG WITH PERCENTAGE SAIDI	E OF TOTAL OUTAGE SAIFI
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment	Peoples F2 RAL AREA) I, Chandler Rd 52.3 475 2021 DNG WITH PERCENTAGE SAIDI 1%	SAIFI 1%
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird	Peoples F2 RAL AREA) I, Chandler Rd 52.3 475 2021 DNG WITH PERCENTAGE SAIDI 1% 1%	SAIFI 1% 1%
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment Lightning	Peoples F2 RAL AREA) I, Chandler Rd 52.3 475 2021 DNG WITH PERCENTAGE SAIDI 1% 1% 4%	SAIFI 1% 1% 1%
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment Lightning Maintenance	Peoples F2 RAL AREA) I, Chandler Rd 52.3 475 2021 DNG WITH PERCENTAGE SAIDI 1% 1% 4% 0.1%	SAIFI 1% 1% 1% 1% 0.3%
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment Lightning Maintenance Scheduled Thunder Storm	Peoples F2 RAL AREA) I, Chandler Rd 52.3 475 2021 DNG WITH PERCENTAGE SAIDI 1% 1% 4% 0.1% 10% 39%	SAIFI 1% 1% 1% 0.3% 10% 49%
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROAD 1601 Mt. Zion Rd., East Bernstadt, KY 40729 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Baldwin Rd, Victory Rd, Victory-Greenmount Rd 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment Lightning Maintenance Scheduled	Peoples F2 RAL AREA) I, Chandler Rd 52.3 475 2021 DNG WITH PERCENTAGE SAIDI 1% 1% 4% 0.1% 10%	SAIFI 1% 1% 1% 0.3% 10%

Unknown Cause	7%	10%
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9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	141	
10. REPORTING YEAR (SAIDI)	197	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.3882	
12. REPORTING YEAR (SAIFI)	2.1074	_
40.000000000000000000000000000000000000		

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 #: 18

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		Hwy 490 F3			
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)					
West along HWY-490 toward Livingston					
5. TOTAL CIRCUIT LENGTH (MILES)		85.2			
6. CUSTOMER COUNT FOR THIS CIRCUIT		728			
7 DATE OF LAST CIRCUIT TRIM (VM)		2016			

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

	SAIDI	SAIFI	
Animal / Bird	0.04%	0.3%	
Equipment	0.04%	0.3%	
Flood	1%	1%	
Maintenance	5%	4%	
Mudslide	23%	13%	
Scheduled	9%	11%	
Squirrel	1%	1%	
Thunder Storm	16%	15%	
Tree/Limb in ROW	1%	3%	
Tree/Limb out of ROW	21%	24%	
Unknown Cause	8%	13%	
Vehicles/Heavy Equipment	0.1%	0.1%	
Wind	16%	15%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	1	92	
10. REPORTING YEAR (SAIDI)	2	70	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.2	16	
12. REPORTING YEAR (SAIFI)	1.6	36	
13. CORRECTIVE ACTION PLAN			

Jackson Energy attempts to identify and remove trees that pose an

19

1. SUBSTATION NAME AND NUMBER EIK	Mountain	03E122	
2. SUBSTATION LOCATION (COUNTY-ROAD-TO		002122	
478 Clay-Leslie Road, Elk Mountain Industrial Park, Clay County			
3. CIRCUIT NAME AND NUMBER Brightshade F2			
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL A		ilidae 1 2	
Brightshade and Asher's Fork	u (L) ()		
5. TOTAL CIRCUIT LENGTH (MILES)	6	6.1	
6. CUSTOMER COUNT FOR THIS CIRCUIT		<u>"</u> 27	
7 DATE OF LAST CIRCUIT TRIM (VM)	20)17	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG	WITH PERCENT	AGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUSE			
	SAIDI	SAIFI	
Animal / Bird	1%	1%	
Equipment	3%	2%	
Fire	0.04%	0.05%	
Flood	0.1%	0.02%	
Ice/Snow	4%	2%	
Large Animal	0.1%	0.1%	
Lightning	16%	17%	
Maintenance	1%	4%	
Other Utilities	3%	2%	
Scheduled	3%	2%	
Squirrel	1%	1%	
Thunder Storm	11%	7%	
Tree/Limb in ROW	3%	1%	
Tree/Limb out of ROW	32%	38%	
Unknown Cause	3%	3%	
Vehicles/Heavy Equipment	19%	17%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	5	548	
10. REPORTING YEAR (SAIDI)	6	659	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.46	594	
12. REPORTING YEAR (SAIFI)	5.58	305	
13. CORRECTIVE ACTION PLAN			
Jackson Energy attempts to identify and		·	
outage risk but are located outside of the	Right-of-Way (R	ROW).	
CIRCUIT #: 20		005400	
1. SUBSTATION NAME AND NUMBER <u>Elk</u>	Mountain	03E122	

2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
478 Clay-Leslie Road, Elk Mountain Industrial P	•	
3. CIRCUIT NAME AND NUMBER	•	zard F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENEI		ard 1 5
Schoolhouse Branch and HWY 11 Barbourville	,	
5. TOTAL CIRCUIT LENGTH (MILES)	rtoau	49.4
6. CUSTOMER COUNT FOR THIS CIRCUIT		474
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	NG WITH PERCE	
NUMBERS REPRESENTED BY EACH CAUSE		INTAGE OF TOTAL OUTAGE
Nomberto Rei Regenteb Br Erton Gregor	_	
	SAIDI	SAIFI
Animal / Bird		1%
Maintenance		0.3%
Scheduled		4%
Squirrel		1%
Thunder Storm		0.3%
Tree/Limb out of ROW		89%
Unknown Cause		3%
Vehicles/Heavy Equipment		0.1%
Vines/Kudzu		0.2%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		610
10. REPORTING YEAR (SAIDI)		192
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	3	3.3204
12. REPORTING YEAR (SAIFI)	3	3.5549
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 #: 21		
1. SUBSTATION NAME AND NUMBER	Elk Mountain	03E122
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
478 Clay-Leslie Road, Elk Mountain Industrial P	ark, Clay County	
3. CIRCUIT NAME AND NUMBER	Lock	tard's Creek F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)	
Lockard's Creek and Pace's Creek		
5. TOTAL CIRCUIT LENGTH (MILES)		46
6. CUSTOMER COUNT FOR THIS CIRCUIT		894
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PERCE	NTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSI	Ξ	

Animal / Bird	/	
	3%	6%
Equipment	0.2%	1%
Lightning	0.1%	0.3%
Maintenance	2%	4%
Scheduled	16%	22%
Squirrel	4%	11%
Thunder Storm	42%	22%
Tree/Limb out of ROW	20%	15%
Unknown Cause	8%	13%
Vehicles/Heavy Equipment	1%	1%
Vines/Kudzu	0.3%	1%
Wind	2%	3%
Woodcutter	0.1%	0.2%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		66
10. REPORTING YEAR (SAIDI)		08
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.37	
` 		
12. REPORTING YEAR (SAIFI) 13. CORRECTIVE ACTION PLAN	0.64 None	100
13. CORRECTIVE ACTION PLAN	None	_
		_
CIRCUIT #: 22		
1. SUBSTATION NAME AND NUMBER		
	Fall Book	025016
	Fall Rock	03E016
2. SUBSTATION LOCATION (COUNTY-ROA		03E016
2. SUBSTATION LOCATION (COUNTY-ROA 5699 N. Highway 421, Clay County	D-TOWN)	
SUBSTATION LOCATION (COUNTY-ROA 5699 N. Highway 421, Clay County CIRCUIT NAME AND NUMBER	D-TOWN) Oneida	
2. SUBSTATION LOCATION (COUNTY-ROAD 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL PROBLEM 1998) 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL PR	D-TOWN) Oneida	
2. SUBSTATION LOCATION (COUNTY-ROAD 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida)	D-TOWN) Oneida RAL AREA)	F1
2. SUBSTATION LOCATION (COUNTY-ROAD 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES)	D-TOWN) Oneida RAL AREA)	F1 7.4
2. SUBSTATION LOCATION (COUNTY-ROAD 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT	D-TOWN) Oneida RAL AREA) 3	F1 7.4 888
2. SUBSTATION LOCATION (COUNTY-ROAD 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM)	D-TOWN) Oneida RAL AREA) 3 20	7.4 888 021
2. SUBSTATION LOCATION (COUNTY-ROAD 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	Oneida RAL AREA) 3 20 ONG WITH PERCENT	7.4 888 021
2. SUBSTATION LOCATION (COUNTY-ROAD 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM)	Oneida RAL AREA) 3 20 ONG WITH PERCENT	7.4 888 021
2. SUBSTATION LOCATION (COUNTY-ROAD 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	Oneida RAL AREA) 3 20 ONG WITH PERCENT	7.4 888 921 AGE OF TOTAL OUTAGE
2. SUBSTATION LOCATION (COUNTY-ROAD 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	D-TOWN) Oneida RAL AREA) 3 20 ONG WITH PERCENT E SAIDI	7.4 888 921 AGE OF TOTAL OUTAGE
2. SUBSTATION LOCATION (COUNTY-ROA 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird	Oneida RAL AREA) 3 20 ONG WITH PERCENT E SAIDI 0.1%	7.4 888 921 AGE OF TOTAL OUTAGE SAIFI 0.3%
2. SUBSTATION LOCATION (COUNTY-ROA 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment	Oneida RAL AREA) 3 20 ONG WITH PERCENT E SAIDI 0.1% 26%	7.4 888 921 AGE OF TOTAL OUTAGE SAIFI 0.3% 30%
2. SUBSTATION LOCATION (COUNTY-ROA 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird	Oneida RAL AREA) 3 20 ONG WITH PERCENT E SAIDI 0.1%	7.4 888 921 AGE OF TOTAL OUTAGE SAIFI 0.3%
2. SUBSTATION LOCATION (COUNTY-ROA 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment	Oneida RAL AREA) 3 20 ONG WITH PERCENT E SAIDI 0.1% 26%	7.4 888 921 AGE OF TOTAL OUTAGE SAIFI 0.3% 30%
2. SUBSTATION LOCATION (COUNTY-ROA 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment Flood	Oneida RAL AREA) 3 20 ONG WITH PERCENT E SAIDI 0.1% 26% 5%	7.4 888 921 AGE OF TOTAL OUTAGE SAIFI 0.3% 30% 2%
2. SUBSTATION LOCATION (COUNTY-ROA 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment Flood Ice/Snow	Oneida RAL AREA) 3 20 ONG WITH PERCENT E SAIDI 0.1% 26% 5% 2%	7.4 888 921 AGE OF TOTAL OUTAGE SAIFI 0.3% 30% 2% 0.5%
2. SUBSTATION LOCATION (COUNTY-ROA 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONUMBERS REPRESENTED BY EACH CAUSI Animal / Bird Equipment Flood Ice/Snow Maintenance	D-TOWN) Oneida RAL AREA) 3 20 DNG WITH PERCENT E SAIDI 0.1% 26% 5% 2% 5%	7.4 988 921 PAGE OF TOTAL OUTAGE SAIFI 0.3% 30% 2% 0.5% 6%
2. SUBSTATION LOCATION (COUNTY-ROA 5699 N. Highway 421, Clay County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL Along HWY 11 toward Oneida 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment Flood Ice/Snow Maintenance Scheduled	Oneida RAL AREA) 3 20 ONG WITH PERCENT E SAIDI 0.1% 26% 5% 2% 5% 0.5%	7.4 888 921 AGE OF TOTAL OUTAGE SAIFI 0.3% 30% 2% 0.5% 6% 1%

	1%	1%
Tree/Limb out of ROW	11%	11%
Unknown Cause	31%	35%
Woodcutter	0.3%	1%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	29	94
10. REPORTING YEAR (SAIDI)	39	90
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.938	34
12. REPORTING YEAR (SAIFI)	3.30	15
13. CORRECTIVE ACTION PLAN		
Jackson Energy field personnel atter		se of every outage.
Equipment issues were located and o	corrected.	
CIRCUIT #: 23		
	Fall Rock	03E016
2. SUBSTATION NAME AND NOMBER 2. SUBSTATION LOCATION (COUNTY-ROAD-		00010
5699 N. Highway 421, Clay County	TOWN)	
3. CIRCUIT NAME AND NUMBER	Greenbri	ar F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERA		ui 1 2
Along HWY 421 to Overlook Lane	AL AINLA)	
5. TOTAL CIRCUIT LENGTH (MILES)	,	21
6. CUSTOMER COUNT FOR THIS CIRCUIT		
7 DATE OF LAST CIRCUIT TRIM (VM)	<u>412</u> 2017	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALON		
NUMBERS REPRESENTED BY EACH CAUSE	to willing Endertin	IOE OF TOTAL OUTTO
	SAIDI	SAIFI
Animal / Bird	SAIDI 1%	SAIFI 1%
Equipment	1%	1%
Equipment Ice/Snow	1% 3%	1% 3%
Equipment Ice/Snow	1% 3% 6%	1% 3% 6%
Equipment Ice/Snow Maintenance Scheduled	1% 3% 6% 8%	1% 3% 6% 13%
Equipment Ice/Snow Maintenance Scheduled Squirrel	1% 3% 6% 8% 3%	1% 3% 6% 13% 2%
Equipment Ice/Snow Maintenance	1% 3% 6% 8% 3% 2%	1% 3% 6% 13% 2% 3%
Equipment Ice/Snow Maintenance Scheduled Squirrel Thunder Storm Tree/Limb out of ROW	1% 3% 6% 8% 3% 2% 1%	1% 3% 6% 13% 2% 3% 1%
Equipment Ice/Snow Maintenance Scheduled Squirrel Thunder Storm Tree/Limb out of ROW Unknown Cause 9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	1% 3% 6% 8% 3% 2% 1% 60% 16%	1% 3% 6% 13% 2% 3% 1% 42% 29%
Equipment Ice/Snow Maintenance Scheduled Squirrel Thunder Storm Tree/Limb out of ROW Unknown Cause	1% 3% 6% 8% 3% 2% 1% 60% 16%	1% 3% 6% 13% 2% 3% 1% 42% 29%
Equipment Ice/Snow Maintenance Scheduled Squirrel Thunder Storm Tree/Limb out of ROW Unknown Cause 9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	1% 3% 6% 8% 3% 2% 1% 60% 16%	1% 3% 6% 13% 2% 3% 1% 42% 29%
Equipment Ice/Snow Maintenance Scheduled Squirrel Thunder Storm Tree/Limb out of ROW Unknown Cause 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 10. REPORTING YEAR (SAIDI)	1% 3% 6% 8% 3% 2% 1% 60% 16%	1% 3% 6% 13% 2% 3% 1% 42% 29%
Equipment Ice/Snow Maintenance Scheduled Squirrel Thunder Storm Tree/Limb out of ROW Unknown Cause 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 10. REPORTING YEAR (SAIDI) 11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1% 3% 6% 8% 3% 2% 1% 60% 16%	1% 3% 6% 13% 2% 3% 1% 42% 29%

CIRCUIT #: 24			
1. SUBSTATION NAME AND NUMBER	Fall Rock	03E016	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
5699 N. Highway 421, Clay County			
3. CIRCUIT NAME AND NUMBER	Fogge	rtown F3	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
US-421 toward Burning Springs and along KY-	472		
5. TOTAL CIRCUIT LENGTH (MILES)	1	17.6	
6. CUSTOMER COUNT FOR THIS CIRCUIT		1210	
7 DATE OF LAST CIRCUIT TRIM (VM) 2016			
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCEN	TAGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUS	E		
	SAIDI	SAIFI	
Animal / Bird	0.4%	0.5%	
Equipment	1%	1%	
Flood	1%	1%	
Ice/Snow	6%	1%	
Lightning	0.04%	0.03%	
Maintenance	4%	8%	
Mudslide	2%	2%	
Other Utilities	1%	0.2%	
Scheduled	5%	5%	
Squirrel	1%	1%	
Thunder Storm	7%	4%	
Tree/Limb in ROW	23%	14%	
Tree/Limb out of ROW	38%	50%	
Unknown Cause	6%	9%	
Vandals	0.1%	0.1%	
Vines/Kudzu	0.4%	0.4%	
Wind	3%	1%	
O OIDOUIT EVEAD AVEDAGE (OAIDI)		0.47	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		217	
10. REPORTING YEAR (SAIDI)		340	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		8001	
12. REPORTING YEAR (SAIFI)	2.8	3529	
13. CORRECTIVE ACTION PLAN	danta data material	Likitana al DOM Animina in mana da di	
Jackson Energy will review this fee			
Jackson Energy attempts to identif	•	· ·	
outage risk but are located outside of the Right-of-Way (ROW).			

1. SUBSTATION NAME AND NUMBER	Greenbriar 03E076
2. SUBSTATION LOCATION (COUNTY-ROA	ND-TOWN)
248 Needmore Hollow Rd., Manchester, 40962	2
3. CIRCUIT NAME AND NUMBER	Island Creek F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)
HWY 421, HWY 638, Bales Creek, Upper Rade	er, Sidell
5. TOTAL CIRCUIT LENGTH (MILES)	33.8
6. CUSTOMER COUNT FOR THIS CIRCUIT	627
7 DATE OF LAST CIRCUIT TRIM (VM)	2019
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	E
	SAIDI SAIFI
Animal / Bird	0.5%
Equipment	0.4%
Ice/Snow	1%
Maintenance	55%
Scheduled	3%
Squirrel	1%
Tree/Limb out of ROW	2%
Unknown Cause	7%
Vehicles/Heavy Equipment	30%
Vines/Kudzu	1%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	164
10. REPORTING YEAR (SAIDI)	120
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.8957
12. REPORTING YEAR (SAIFI)	1.933
13. CORRECTIVE ACTION PLAN	None
10. GOTALETTIC /TOTTON LEXIV	HOLL
_	
CIRCUIT #: 26	
1. SUBSTATION NAME AND NUMBER	Greenbriar 03E076
2. SUBSTATION LOCATION (COUNTY-ROA	ND-TOWN)
248 Needmore Hollow Rd., Manchester, 40962	2
3. CIRCUIT NAME AND NUMBER	Manchester F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)
South along US-421 toward Manchester	
5. TOTAL CIRCUIT LENGTH (MILES)	17.5
6. CUSTOMER COUNT FOR THIS CIRCUIT	325
7 DATE OF LAST CIRCUIT TRIM (VM)	2019
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCENTAGE OF TOTAL OUTAGE

NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI		
Equipment	8%	13%		
Fire	0.2%	0.2%		
Ice/Snow	0.2%	0.2%		
Lightning	0.3%	0.4%		
Maintenance	3%	6%		
Mudslide	19%	20%		
Scheduled	40%	27%		
Squirrel	0.04%	0.1%		
Thunder Storm	15%	23%		
Tree/Limb out of ROW	11%	9%		
Unknown Cause	4%	2%		
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		52		
10. REPORTING YEAR (SAIDI)		112		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.74	163		
12. REPORTING YEAR (SAIFI)	4.84			
13. CORRECTIVE ACTION PLAN	None			
		_		
-				
CIRCUIT #: 27	0 1 11			
1. SUBSTATION NAME AND NUMBER Greenhall 03E093				
2. SUBSTATION LOCATION (COUNTY-ROA	AD-TOWN)			
449 Creech Rd., off HWY 1071, Tyner				
3. CIRCUIT NAME AND NUMBER	New Zi	on F3		
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)			
Along HWY 587 to New Zion and Arvel				
5. TOTAL CIRCUIT LENGTH (MILES)		80		
6. CUSTOMER COUNT FOR THIS CIRCUIT	533			
7 DATE OF LAST CIRCUIT TRIM (VM)	20	016		
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE			
NUMBERS REPRESENTED BY EACH CAUS	ONG WITH PERCENT	AGE OF TOTAL OUTAGE		
		AGE OF TOTAL OUTAGE		
		AGE OF TOTAL OUTAGE		
	Ε			
Animal / Bird	SAIDI	SAIFI		
Animal / Bird Equipment	SAIDI 1%	SAIFI 0.3%		
Equipment	SAIDI 1% 27%	SAIFI 0.3% 18%		
Equipment Ice/Snow	SAIDI 1% 27% 8%	SAIFI 0.3% 18% 0.1%		
Equipment Ice/Snow Lightning	SAIDI 1% 27% 8% 1%	SAIFI 0.3% 18% 0.1% 0.2%		
Equipment Ice/Snow	SAIDI 1% 27% 8%	SAIFI 0.3% 18% 0.1%		

0.4%

0.1%

0.2%

0.1%

Thunder Storm

Tree/Limb in ROW

Tree/Limb out of ROW	45%	9%	
Unknown Cause	4%	2%	
Vehicles/Heavy Equipment	9%	68%	
Wind	3%	1%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		176	
10. REPORTING YEAR (SAIDI)		202	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.4477		
12. REPORTING YEAR (SAIFI)	5.3096		
13. CORRECTIVE ACTION PLAN Equipment issues were located and corrected.			
Jackson Energy attempts to identify and remove trees that pose an			
outage risk but are located outside of		· · · · · · · · · · · · · · · · · · ·	
outage half but are located outside t	or the ragin or vva	y (11.077).	
CIRCUIT #: 28			
1. SUBSTATION NAME AND NUMBER	Greenhall	025002	
		03E093	
2. SUBSTATION LOCATION (COUNTY-ROAD	D-TOVVN)		
449 Creech Rd., off HWY 1071, Tyner	TT.	D 4 E	
3. CIRCUIT NAME AND NUMBER		Rest F5	
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	· ·		
Area along KY-1071 and KY-30 toward Traveller	s Rest		
5. TOTAL CIRCUIT LENGTH (MILES)		44.5	
6. CUSTOMER COUNT FOR THIS CIRCUIT		295	
7 DATE OF LAST CIRCUIT TRIM (VM)		2021	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	NG WITH PERCE	ENTAGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUSE			
	SAIDI	SAIFI	
Animal / Bird	0.4%		
Equipment	17%		
Ice/Snow	32%		
Lightning	3%		
Maintenance	4%		
Scheduled	16%		
Tree/Limb in ROW	1%		
Tree/Limb out of ROW	6%		
Unknown Cause	20%		
Wind	2%		
Willa	270		
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		102	
10. REPORTING YEAR (SAIDI)		142	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.9948	
12. REPORTING YEAR (SAIFI)		0.8915	
	,	0.0313	
13. CORRECTIVE ACTION PLAN			
Jackson Energy field personnel atte	mont to identify the	course of over a suite as	

CIRCUIT #: 29			
1. SUBSTATION NAME AND NUMBER	Hargett	03E091	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
100 East Ky Power Lane, Irvine, KY 40336	•		
3. CIRCUIT NAME AND NUMBER	Spout	Springs F1	
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)			
Spout Springs Rd, Hudson Mill Road, State HW	/Y 2001		
5. TOTAL CIRCUIT LENGTH (MILES)		26	
6. CUSTOMER COUNT FOR THIS CIRCUIT	257		
7 DATE OF LAST CIRCUIT TRIM (VM)	M (VM) 2018		
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PERCEN	ITAGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUS	E		
	SAIDI	SAIFI	
Animal / Bird	1%	1%	
Equipment	5%	3%	
Ice/Snow	19%	38%	
Maintenance	44%	38%	
Other Utilities	2%	1%	
Scheduled	6%	3%	
Squirrel	3%	3%	
Tree/Limb out of ROW	10%	6%	
Unknown Cause	5%	5%	
Wind	5%	4%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		186	
10. REPORTING YEAR (SAIDI)		243	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1	6908	
12. REPORTING YEAR (SAIFI)	2.6148		
13. CORRECTIVE ACTION PLAN	None	-	
CIRCUIT #: 30			
1. SUBSTATION NAME AND NUMBER	Keavy 1	03E055	
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)		
167 E. Highway 312, Corbin, KY 40701			
3. CIRCUIT NAME AND NUMBER	Hwy 3	312 F2	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
KY-312 toward Corbin			
5. TOTAL CIRCUIT LENGTH (MILES)		27.5	

6. CUSTOMER COUNT FOR THIS CIRCUIT		865	
7 DATE OF LAST CIRCUIT TRIM (VM)	2018		
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCE	ENTAGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUS	E		
	SAIDI	SAIFI	
Animal / Bird	0.1%	0.1%	
Equipment	2%	6%	
Ice/Snow	1%	0.1%	
Maintenance	2%	2%	
Scheduled	10%	15%	
Squirrel	16%	17%	
Thunder Storm	12%	10%	
Tree/Limb out of ROW	6%	7%	
Unknown Cause	15%	27%	
Vehicles/Heavy Equipment	0.3%	1%	
Vines/Kudzu	0.2%	0.3%	
Wind	36%	16%	
		- 0	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		97	
10. REPORTING YEAR (SAIDI)		130	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.0125	
12. REPORTING YEAR (SAIFI)		1.1965	
13. CORRECTIVE ACTION PLAN	None		
-			
CIRCUIT #: 31			
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	Leve	el Green F3	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
Level Green Rd, Flatwoods Rd, Keavy Loop Rd	d		
5. TOTAL CIRCUIT LENGTH (MILES)		36	
6. CUSTOMER COUNT FOR THIS CIRCUIT			
7 DATE OF LAST CIRCUIT TRIM (VM)		2018	
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCE	ENTAGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUS			
	SAIDI	SAIFI	
Animal / Bird		1%	
Equipment		0.2%	
Lightning		18%	
$\boldsymbol{\omega}$		- -	

Maintenance		17%
Scheduled		2%
Squirrel		11%
Thunder Storm		17%
Tree/Limb out of ROW		12%
Unknown Cause		22%
Vehicles/Heavy Equipment		1%
volucios rrow y zquipinon		-,,
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		75
10. REPORTING YEAR (SAIDI)		59
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.7364
12. REPORTING YEAR (SAIFI)		0.818
13. CORRECTIVE ACTION PLAN		
	None	
CIRCUIT #: 32		
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	Ba	ld Rock F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
Around Laurel Lake to the London Dock		
5. TOTAL CIRCUIT LENGTH (MILES)		64.5
6. CUSTOMER COUNT FOR THIS CIRCUIT		949
7 DATE OF LAST CIRCUIT TRIM (VM)		2018
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PER	CENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	E	
	SAIDI	SAIFI
Animal / Bird	0.4%	
Ice/Snow	1%	
Maintenance	4%	
Other Utilities	0.1%	
Scheduled	11%	
Squirrel	1%	
Thunder Storm	48%	
Tree/Limb in ROW	0.1%	
Tree/Limb out of ROW	1%	
Unknown Cause	5%	
Wind	23%	
Woodcutter	6%	
	370	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		167

1.61 1.4 None Keavy 2 TOWN)	03 -12
None Keavy 2	
Keavy 2	03E055A
•	U3EU55A
IOWN)	
T	C 7.5
	Grove F5
L AREA)	
	23
	-01
)20
IG WITH PERCENT	AGE OF TOTAL OUTAGE
0.4.15.1	0.1151
	SAIFI
_	4%
-	0.3%
-	0.3%
	1%
	3%
	3%
	6%
	74%
	1%
3%	7%
1	36
	226
1.0988 2.9476	
2.01	
nd remove trees tha	t nose an
	•
THE INGILITION OF IN	. O v v j.
	20 NG WITH PERCENT SAIDI 3% 0.2% 0.4% 3% 13% 3% 71% 1% 3%

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 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Along HWY 80 toward London 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALCONUMBERS REPRESENTED BY EACH CAUSE	ONG WITH PERCEN	11.4 303 2019
	SAIDI	SAIFI
Animal / Bird	4%	
Thunder Storm	17%	
Unknown Cause	2%	
Vehicles/Heavy Equipment	75%	
Woodcutter	2%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		35
10. REPORTING YEAR (SAIDI)		39
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.4	4126
12. REPORTING YEAR (SAIFI)	0.2	2805
13. CORRECTIVE ACTION PLAN	None	
CIRCUIT #: 35		
1. SUBSTATION NAME AND NUMBER	Laurel Industrial 2	03E088A
2. SUBSTATION LOCATION (COUNTY-ROAD	D-TOWN)	
747 Sinking Creek Rd., London, KY 40741		
3. CIRCUIT NAME AND NUMBER	Hawk	Creek F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)	
Along HWY 80, Hawk Creek		
5. TOTAL CIRCUIT LENGTH (MILES)		51
6. CUSTOMER COUNT FOR THIS CIRCUIT		872
7 DATE OF LAST CIRCUIT TRIM (VM)	2	2019
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	NG WITH PERCEN	TAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE	Ē	
	SAIDI	SAIFI
Customer Responsible	0.3%	
Equipment	4%	
Ice/Snow	3%	
Lightning	0.2%	
Maintenance	0.03%	

Overload	0.05%	
Squirrel	5%	
Thunder Storm	11%	
Tree/Limb in ROW	1%	
Tree/Limb out of ROW	0.2%	
Unknown Cause	10%	
Vehicles/Heavy Equipment	60%	
Vines/Kudzu	0.1%	
Wind	4%	
Woodcutter	1%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	1,	40
10. REPORTING YEAR (SAIDI)		73
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.45	
12. REPORTING YEAR (SAIFI)	0.88	
13. CORRECTIVE ACTION PLAN	0.00	
Overloaded transformer was replace	ed with a a larger trans	former.
Overloaded stationers was replace	- a mar a a larger traile	
CIRCUIT #: 36		
1. SUBSTATION NAME AND NUMBER	Maplesville	03E077
2. SUBSTATION LOCATION (COUNTY-ROAL)	· · · · · · · · · · · · · · · · · · ·	002011
91 Hanna Leigh Trail, London, KY 40741	<i>3</i> 101111)	
3. CIRCUIT NAME AND NUMBER	McWho	rter F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENER		
HWY 638, HWY 30 Toward McWhorter, Slate L	•	
5. TOTAL CIRCUIT LENGTH (MILES)		1.3
6. CUSTOMER COUNT FOR THIS CIRCUIT		32
7 DATE OF LAST CIRCUIT TRIM (VM)	20	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC		
NUMBERS REPRESENTED BY EACH CAUSE		KOL OF TOTAL OUTROL
NOMBERO REPRESENTED BY EXCITOROGE	-	
	SAIDI	SAIFI
Animal / Bird	0.1%	0.2%
Equipment	1%	1%
Maintenance	6%	36%
Other Utilities	3%	1%
Squirrel	1%	0.5%
Thunder Storm	9%	4%
Tree/Limb out of ROW	2/0	7/0
TICC/LIIIO Out Of KO W		120/
Unknown Cauca	27%	13%
Unknown Cause		13% 44%
	27% 52%	44%
Unknown Cause9. CIRCUIT 5 YEAR AVERAGE (SAIDI)10. REPORTING YEAR (SAIDI)	27% 52%	

11. CIRCUIT 5 YEAR AVERAGE (S <u>AIFI)</u>	1.8047	
12. REPORTING YEAR (SAIFI)	2.8	3687
13. CORRECTIVE ACTION PLAN		
Jackson Energy field personnel att	empt to identify the ca	ause of every outage.
CIRCUIT #: 37		
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	Sand S	Springs F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
South of Mt Vernon toward Sand Springs in Ro	ckcastle County	
5. TOTAL CIRCUIT LENGTH (MILES)		64.7
6. CUSTOMER COUNT FOR THIS CIRCUIT		545
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCEN	TAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	E	
	SAIDI	SAIFI
Animal / Bird	9%	10%
Customer Responsible	0.2%	0.3%
Equipment	2%	3%
Ice/Snow	8%	3%
Large Animal	2%	4%
Lightning	4%	3%
Maintenance	0.1%	0.1%
Scheduled	2%	3%
Squirrel	0.3%	1%
Thunder Storm	16%	13%
Tree/Limb out of ROW	20%	13%
Unknown Cause	29%	37%
Vehicles/Heavy Equipment	2%	1%
Vines/Kudzu	0.3%	0.4%
Wind	6%	6%
Woodcutter	0.3%	3%
		-
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		253
10. REPORTING YEAR (SAIDI)		265
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.5	5508
12 DEDODTING VEAD (SAIEI)	1.7009	
12. ILLI ORTING TEAR (OAII I)		

CIRCUIT #. 30		
1. SUBSTATION NAME AND NUMBER	McKee	03E014
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
RT 290, McKee, KY 40447		
3. CIRCUIT NAME AND NUMBER	Ind	ian Creek F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
Southwest along HWY 89 toward Livingston		
5. TOTAL CIRCUIT LENGTH (MILES)		13.8
6. CUSTOMER COUNT FOR THIS CIRCUIT		136
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PERC	ENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSI	E	
	SAIDI	SAIFI
Thunder Storm	96%	94%
Tree/Limb out of ROW	0.4%	1%
Unknown Cause	3%	6%
	2,1	0.0
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		242
10. REPORTING YEAR (SAIDI)		385
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.9557
12. REPORTING YEAR (SAIFI)		2.3088
13. CORRECTIVE ACTION PLAN	None	
CIRCUIT #: 39		
1. SUBSTATION NAME AND NUMBER	Millers Creek	03E027
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
79 Beattyville, Rd., Irvine, KY 40472	,	
3. CIRCUIT NAME AND NUMBER	You	uth Haven F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENE		
Along HWY 52 toward Beattyville, Old Landing,	•	
5. TOTAL CIRCUIT LENGTH (MILES)	Dod. Haok	52.7
6. CUSTOMER COUNT FOR THIS CIRCUIT		
7 DATE OF LAST CIRCUIT TRIM (VM)	<u>425</u> 2019	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC		
NUMBERS REPRESENTED BY EACH CAUSI		LIVIAGE OF TOTAL OUTAGE
NUMBERS REFRESENTED BY EACH CAUSI	L	
	SAIDI	SAIFI
Animal / Bird	0.3%	1%
Equipment	0.3%	0.2%
raummen.	U.170	U.Z70

Ice/Snow	3%	2%	
Maintenance	8%	32%	
Scheduled	5%	5%	
Squirrel	2%	4%	
Thunder Storm	45%	33%	
Tree/Limb out of ROW	28%	16%	
Wind	10%	7%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		251	
10. REPORTING YEAR (SAIDI)	2	282	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.78	335	
12. REPORTING YEAR (SAIFI)	2.4	188	
13. CORRECTIVE ACTION PLAN	None		_
			_
CIRCUIT #: 40			
1. SUBSTATION NAME AND NUMBER	Millers Creek	03E027	
2. SUBSTATION LOCATION (COUNTY-ROA	AD-TOWN)		
79 Beattyville, Rd., Irvine, KY 40472			
3. CIRCUIT NAME AND NUMBER	Pryce F	3	_
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	ERAL AREA)		
Barnes Mountain area South of Irvine			
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		40	_
6. CUSTOMER COUNT FOR THIS CIRCUIT		224	
7 DATE OF LAST CIRCUIT TRIM (VM)			_
8. LIST OUTAGE CAUSES FOR CIRCUIT AI		AGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUS	SE		
	CAIDI	CALEL	
Animal / Dind	SAIDI 0.2%	SAIFI 10/	
Animal / Bird	-	1%	
Bad Connection	3%	1%	
Equipment	15%	44%	
Flood	1%	1%	
Ice/Snow	3%	1%	
Lightning	1%	1%	
Maintenance	00/	120/	
C -1, - 11 - 1	9%	13%	
Scheduled	9%	4%	
Scheduled Squirrel Thunder Storm			

6%

32%

10%

2%

3%

12%

10%

2%

Tree/Limb in ROW

Unknown Cause

Wind

Tree/Limb out of ROW

O CIDCUIT E VEAD AVEDACE (CAIDI)	•	275	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		75	
10. REPORTING YEAR (SAIDI)	352		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.4541		
12. REPORTING YEAR (SAIFI)	4.0804		
13. CORRECTIVE ACTION PLAN Equipment is			
Jackson Energy attempts to identify a		•	
outage risk but are located outside of	the Right-of-Way (R	OW).	
CIRCUIT #: 41			
	Rice Station	03E026	
2. SUBSTATION LOCATION (COUNTY-ROAD-			
75 Substation Rd., Irvine, KY 40336	,		
3. CIRCUIT NAME AND NUMBER	Station	Camp F2	
4. CIRCUIT LOCATION (TOWN-ROAD-GENERA			
HWY 594 toward West Irvine	12 / 11 (2 / 1)		
5. TOTAL CIRCUIT LENGTH (MILES)	1	30	
6. CUSTOMER COUNT FOR THIS CIRCUIT			
7 DATE OF LAST CIRCUIT TRIM (VM)	1484 2021		
8. LIST OUTAGE CAUSES FOR CIRCUIT ALON			
NUMBERS REPRESENTED BY EACH CAUSE	VO WITTI EROEM	NOL OF TOTAL COTACL	
NOMBERO REPRESENTED DI ENOTIONOGE			
	SAIDI	SAIFI	
Animal / Bird	SAIDI 0.3%	SAIFI	
Animal / Bird Bad Connection		SAIFI	
	0.3%	SAIFI	
Bad Connection	0.3% 0.02%	SAIFI	
Bad Connection Equipment	0.3% 0.02% 0.4%	SAIFI	
Bad Connection Equipment Flood	0.3% 0.02% 0.4% 14%	SAIFI	
Bad Connection Equipment Flood Ice/Snow	0.3% 0.02% 0.4% 14% 2%	SAIFI	
Bad Connection Equipment Flood Ice/Snow Maintenance	0.3% 0.02% 0.4% 14% 2% 2%	SAIFI	
Bad Connection Equipment Flood Ice/Snow Maintenance ROW Crew	0.3% 0.02% 0.4% 14% 2% 2% 1%	SAIFI	
Bad Connection Equipment Flood Ice/Snow Maintenance ROW Crew Scheduled	0.3% 0.02% 0.4% 14% 2% 2% 1%	SAIFI	
Bad Connection Equipment Flood Ice/Snow Maintenance ROW Crew Scheduled Squirrel	0.3% 0.02% 0.4% 14% 2% 2% 1% 1%	SAIFI	
Bad Connection Equipment Flood Ice/Snow Maintenance ROW Crew Scheduled Squirrel Thunder Storm	0.3% 0.02% 0.4% 14% 2% 1% 1% 1% 1% 20%	SAIFI	
Bad Connection Equipment Flood Ice/Snow Maintenance ROW Crew Scheduled Squirrel Thunder Storm Tree/Limb in ROW	0.3% 0.02% 0.4% 14% 2% 2% 1% 1% 1% 1%	SAIFI	
Bad Connection Equipment Flood Ice/Snow Maintenance ROW Crew Scheduled Squirrel Thunder Storm Tree/Limb in ROW Tree/Limb out of ROW	0.3% 0.02% 0.4% 14% 2% 1% 1% 1% 20% 1% 42%	SAIFI	
Bad Connection Equipment Flood Ice/Snow Maintenance ROW Crew Scheduled Squirrel Thunder Storm Tree/Limb in ROW Tree/Limb out of ROW Unknown Cause	0.3% 0.02% 0.4% 14% 2% 2% 1% 1% 1% 42% 3%	SAIFI	
Bad Connection Equipment Flood Ice/Snow Maintenance ROW Crew Scheduled Squirrel Thunder Storm Tree/Limb in ROW Tree/Limb out of ROW Unknown Cause Vehicles/Heavy Equipment	0.3% 0.02% 0.4% 14% 2% 1% 1% 1% 42% 3% 1%	SAIFI	
Bad Connection Equipment Flood Ice/Snow Maintenance ROW Crew Scheduled Squirrel Thunder Storm Tree/Limb in ROW Tree/Limb out of ROW Unknown Cause Vehicles/Heavy Equipment Wind Woodcutter	0.3% 0.02% 0.4% 14% 2% 2% 1% 1% 1% 42% 3% 1% 9% 3%		
Bad Connection Equipment Flood Ice/Snow Maintenance ROW Crew Scheduled Squirrel Thunder Storm Tree/Limb in ROW Tree/Limb out of ROW Unknown Cause Vehicles/Heavy Equipment Wind Woodcutter 9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	0.3% 0.02% 0.4% 14% 2% 2% 1% 1% 1% 42% 3% 1% 9% 3%	69	
Bad Connection Equipment Flood Ice/Snow Maintenance ROW Crew Scheduled Squirrel Thunder Storm Tree/Limb in ROW Tree/Limb out of ROW Unknown Cause Vehicles/Heavy Equipment Wind Woodcutter 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 10. REPORTING YEAR (SAIDI)	0.3% 0.02% 0.4% 14% 2% 2% 1% 1% 1% 42% 3% 1% 9% 3%	n69 131	
Bad Connection Equipment Flood Ice/Snow Maintenance ROW Crew Scheduled Squirrel Thunder Storm Tree/Limb in ROW Tree/Limb out of ROW Unknown Cause Vehicles/Heavy Equipment Wind Woodcutter 9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	0.3% 0.02% 0.4% 14% 2% 2% 1% 1% 1% 42% 3% 1% 9% 3%	169 131 168	

13. CORRECTIVE ACTION PLAN		
Jackson Energy attempts to identify	and remove trees t	hat pose an
outage risk but are located outside	of the Right-of-Way	(ROW).
CIRCUIT #: 42		
1. SUBSTATION NAME AND NUMBER	Sand Gap	03S092
2. SUBSTATION LOCATION (COUNTY-ROAL	D-TOWN)	
Gravel Lick Rd., Sand Gap, Jackson County		77 11 ma
3. CIRCUIT NAME AND NUMBER		e Hall F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	•	
Area South of HWY 421 along Lodge Hall Road		
5. TOTAL CIRCUIT LENGTH (MILE <u>S)</u>		5.6
6. CUSTOMER COUNT FOR THIS CIRCUIT		92
7 DATE OF LAST CIRCUIT TRIM (VM)		2018
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC		NTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE	Ξ	
	SAIDI	SAIFI
Equipment	5%	27%
Squirrel	1%	1%
Unknown Cause	94%	72%
9. CIRCUIT 5 YEAR AVERAGE (SA <u>IDI)</u>		42
10. REPORTING YEAR (SAIDI)		62
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.	7297
12. REPORTING YEAR (SAIFI)	1.	2935
13. CORRECTIVE ACTION PLAN		2018
Jackson Energy field personnel atte	empt to identify the c	ause of every outage.
CIRCUIT #: 43		
1. SUBSTATION NAME AND NUMBER	Sand Gap	03S092
2. SUBSTATION LOCATION (COUNTY-ROAL	D-TOWN)	
Gravel Lick Rd., Sand Gap, Jackson County		
3. CIRCUIT NAME AND NUMBER	Clove	er Bottom F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)	
HWY 421, Clover Bottom, Clover Bottom Rd, As	sbill Rd	
5. TOTAL CIRCUIT LENGTH (MILES)		72
6. CUSTOMER COUNT FOR THIS CIRCUIT		729
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	ONG WITH PERCEN	NTAGE OF TOTAL OUTAGE

NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI	
Animal / Bird	1%	2%	
Equipment	27%	23%	
Flood	1%	2%	
Ice/Snow	31%	7%	
Lightning	2%	2%	
Maintenance	1%	2%	
Scheduled	0.1%	0.2%	
Squirrel	1%	1%	
Thunder Storm	2%	2%	
Tree/Limb in ROW	1%	1%	
Tree/Limb out of ROW	5%	5%	
Unknown Cause	20%	23%	
Vehicles/Heavy Equipment	6%	27%	
Wind	2%	2%	
Woodcutter	2%	2%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		262	
10. REPORTING YEAR (SAIDI)		550	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.1392		2.1392	
12. REPORTING YEAR (SAIFI)	3	3.5377	
13. CORRECTIVE ACTION PLAN			
Equipment issues were located an	d corrected.		
CIRCUIT #: 44			
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	Bear	Run F1	
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)		
Notheast toward Eversole, Lerose and Tallega			
5. TOTAL CIRCUIT LENGTH (MILES)		61.4	
6. CUSTOMER COUNT FOR THIS CIRCUIT		403	
7 DATE OF LAST CIRCUIT TRIM (VM)		2018	
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCE	NTAGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUS	E		
	SAIDI	SAIFI	
Animal / Bird	1%		
Equipment	2%		
Ice/Snow	0.1%		

1%

2%

Lightning

Maintenance

Scheduled	3%	
Squirrel	3%	
Thunder Storm	17%	
Tree/Limb out of ROW	67%	
Unknown Cause	1%	
Vines/Kudzu	4%	
Wind	0.03%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		393
10. REPORTING YEAR (SAIDI)		438
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	;	3.2626
12. REPORTING YEAR (SAIFI)	,	3.1439
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	y (ROW).
CIRCUIT #: 45		
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	Town F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	RAL AREA)	
Area East of HWY 11 toward Arnett		
5. TOTAL CIRCUIT LENGTH (MILES)		49.5
6. CUSTOMER COUNT FOR THIS CIRCUIT		261
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8. LIST OUTAGE CAUSES FOR CIRCUIT AL		ENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUS	E	
	SAIDI	SAIFI
Animal / Bird	0.01%	0.1%
Equipment	3%	3%
Flood	2%	0.4%
Ice/Snow	1%	1%
Maintenance	2%	21%
Scheduled	19%	31%
Thunder Storm	8%	4%
Tree/Limb out of ROW	64%	38%
Unknown Cause	0.4%	1%
Wind	2%	1%
Woodcutter	0.3%	0.4%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		916
`		

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	-	3.9231
12. REPORTING YEAR (SAIFI)		7.5441
13. CORRECTIVE ACTION PLAN		
Jackson Energy attempts to identify	and remove trees	s that pose an
outage risk but are located outside o		· · · · · · · · · · · · · · · · · · ·
CIRCUIT #: 46		
1. SUBSTATION NAME AND NUMBER	South Fork	03E012
2. SUBSTATION LOCATION (COUNTY-ROAD)-TOWN)	
Griffith Cemetery Rd., Island City, KY 41338		
3. CIRCUIT NAME AND NUMBER	Wal	lnut Grove F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	AL AREA)	
Sturgeon, HWY 1350, HWY 11		
5. TOTAL CIRCUIT LENGTH (MILES)		43.6
6. CUSTOMER COUNT FOR THIS CIRCUIT		281
7 DATE OF LAST CIRCUIT TRIM (VM)		2018
8. LIST OUTAGE CAUSES FOR CIRCUIT ALO	NG WITH PERC	ENTAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSE		
	SAIDI	SAIFI
Animal / Bird	1%	
Equipment	8%	
Flood	1%	
Ice/Snow	25%	
Maintenance	3%	
Scheduled	21%	
Squirrel	0.1%	
Thunder Storm	1%	
Tree/Limb out of ROW	33%	
Unknown Cause	1%	
Vines/Kudzu	1%	
Wind	6%	
Woodcutter	0.1%	
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		478
10. REPORTING YEAR (SAIDI)		547
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)		3.5152
12. REPORTING YEAR (SAIFI)		3.2278
13. CORRECTIVE ACTION PLAN		
Jackson Energy attempts to identify		·
outage risk but are located outside o	of the Right-of-Wa	ay (ROW).

1. SUBSTATION NAME AND NUMBER	South Fork	03E012
2. SUBSTATION LOCATION (COUNTY-ROA		
Griffith Cemetery Rd., Island City, KY 41338	,	
3. CIRCUIT NAME AND NUMBER	White	Oak F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENEI		Ouk I I
HWY 2025 and HWY 847 toward Endee and Tr	•	
	aveller s Rest	44.0
5. TOTAL CIRCUIT LENGTH (MILES)		14.8
6. CUSTOMER COUNT FOR THIS CIRCUIT		62
7 DATE OF LAST CIRCUIT TRIM (VM)		2017
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC		TIAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSI	=	
	SAIDI	SAIFI
Animal / Bird		1%
Equipment		6%
Lightning		0.5%
Maintenance		55%
Squirrel		0.5%
Thunder Storm		32%
Tree/Limb out of ROW		5%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		288
10. REPORTING YEAR (SAIDI)		224
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.	1521
12. REPORTING YEAR (SAIFI)	3.3	3387
13. CORRECTIVE ACTION PLAN	None	
CIRCUIT #: 48		
1. SUBSTATION NAME AND NUMBER	Three Links	03S084
2. SUBSTATION LOCATION (COUNTY-ROA	D-TOWN)	
52 Climax Road, Climax, Rockcastle County	,	
3. CIRCUIT NAME AND NUMBER	Pine (Grove F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENEI		
HWY 1955, Cave Springs Rd., HWY 421, Morri	•	
5. TOTAL CIRCUIT LENGTH (MILES)		52
6. CUSTOMER COUNT FOR THIS CIRCUIT		541
7 DATE OF LAST CIRCUIT TRIM (VM)		2020
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC		
		TAGE OF TOTAL OUTAGE
NUMBERS REPRESENTED BY EACH CAUSI	<u> </u>	
	CAIDI	CAIFI
Aminoal / Dind	SAIDI 50/	SAIFI 00/
Animal / Bird	5%	9%

Equipment	1%	1%
Ice/Snow	48%	30%
Lightning	10%	11%
Maintenance	1%	2%
Other Utilities	0.1%	0.04%
Scheduled	1%	8%
Squirrel	0.04%	0.04%
Thunder Storm	14%	15%
Tree/Limb in ROW	1%	1%
Tree/Limb out of ROW	7%	11%
Unknown Cause	11%	12%
Wind	0.1%	0.04%
Woodcutter	0.1%	0.2%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)	;	353
10. REPORTING YEAR (SAIDI)		373
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.7	738
12. REPORTING YEAR (SAIFI)	10.24	403
13. CORRECTIVE ACTION PLAN	None	
CIRCUIT #: 49 1. SUBSTATION NAME AND NUMBER	Three Links	03S084
		03S084
1. SUBSTATION NAME AND NUMBER		03S084
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA		
 SUBSTATION NAME AND NUMBER SUBSTATION LOCATION (COUNTY-ROA Climax Road, Climax, Rockcastle County 	D-TOWN) Disputa	
SUBSTATION NAME AND NUMBER SUBSTATION LOCATION (COUNTY-ROA Climax Road, Climax, Rockcastle County CIRCUIT NAME AND NUMBER	D-TOWN) Disputa	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER	D-TOWN) Disputa RAL AREA)	
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENEI Southwest along HWY 1912	D-TOWN) Disputa RAL AREA)	anta F3
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENEI Southwest along HWY 1912 5. TOTAL CIRCUIT LENGTH (MILES)	D-TOWN) Disputa RAL AREA) 5	anta F3
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENEI Southwest along HWY 1912 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT	D-TOWN) Disputa RAL AREA) 5	50.6 388 018
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Southwest along HWY 1912 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM)	D-TOWN) Disputa RAL AREA) 5 20 DNG WITH PERCENT	50.6 388 018
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Southwest along HWY 1912 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	D-TOWN) Disputa RAL AREA) 5 20 DNG WITH PERCENT	50.6 388 018
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENEI Southwest along HWY 1912 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSI	D-TOWN) Disputa RAL AREA) 5 20 DNG WITH PERCENT E SAIDI	anta F3 50.6 388 D18 TAGE OF TOTAL OUTAGE SAIFI
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Southwest along HWY 1912 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird	D-TOWN) Disputa RAL AREA) 5 20 DNG WITH PERCENT E SAIDI 0.1%	anta F3 60.6 388 018 TAGE OF TOTAL OUTAGE SAIFI 0.1%
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENE) Southwest along HWY 1912 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSI Animal / Bird Equipment	D-TOWN) Disputa RAL AREA) 5 20 DNG WITH PERCENT E SAIDI 0.1% 0.2%	anta F3 50.6 388 D18 TAGE OF TOTAL OUTAGE SAIFI 0.1% 0.2%
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Southwest along HWY 1912 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment Ice/Snow	D-TOWN) Disputa RAL AREA) Solution Disputa E SAIDI 0.1% 0.2% 10%	SAIFI 0.1% 0.2% 19%
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Southwest along HWY 1912 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment Ice/Snow Lightning	D-TOWN) Disputa RAL AREA) SOURCE SAIDI 0.1% 0.2% 10% 0.1%	SAIFI 0.1% 0.2% 19% 0.1%
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Southwest along HWY 1912 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment Ice/Snow Lightning Squirrel	D-TOWN) Disputa RAL AREA) 5 20 DNG WITH PERCENT E SAIDI 0.1% 0.2% 10% 0.1% 0.2% 0.1% 0.2%	SAIFI 0.1% 0.2% 19% 0.1% 0.2%
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Southwest along HWY 1912 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSI Animal / Bird Equipment Ice/Snow Lightning Squirrel Thunder Storm	D-TOWN) Disputa RAL AREA) 5 20 DNG WITH PERCENT E SAIDI 0.1% 0.2% 10% 0.1% 0.2% 65%	SAIFI 0.1% 0.2% 19% 0.1% 0.2% 53%
1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA 52 Climax Road, Climax, Rockcastle County 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENER Southwest along HWY 1912 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT ALC NUMBERS REPRESENTED BY EACH CAUSE Animal / Bird Equipment Ice/Snow Lightning Squirrel	D-TOWN) Disputa RAL AREA) 5 20 DNG WITH PERCENT E SAIDI 0.1% 0.2% 10% 0.1% 0.2% 0.1% 0.2%	SAIFI 0.1% 0.2% 19% 0.1% 0.2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI	356
10. REPORTING YEAR (SAIDI)	628
11. CIRCUIT 5 YEAR AVERAGE (SAIFI	3.106
12. REPORTING YEAR (SAIFI)	5.2603
13. CORRECTIVE ACTION PLAN	None

CIRCUIT #: 50

1. SUBSTATION NAME AND NUMBER	Tyner 03E013
2. SUBSTATION LOCATION (COUNTY-ROAD-	-TOWN)
Tyner Tower Rd., Tyner, KY 40486	
3. CIRCUIT NAME AND NUMBER	Gray Hawk F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERA	AL AREA)
US-421 South of Gray Hawk	
5. TOTAL CIRCUIT LENGTH (MILES)	41.6
6. CUSTOMER COUNT FOR THIS CIRCUIT	574
7 DATE OF LAST CIRCUIT TRIM (VM)	2016

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

	SAIDI	SAIFI
Animal / Bird	0.2%	0.1%
Equipment	4%	3%
Flood	0.3%	0.1%
Ice/Snow	0.01%	0.04%
Lightning	0.1%	0.1%
Maintenance	0.1%	0.2%
ROW Crew	1%	2%
Scheduled	3%	2%
Squirrel	2%	2%
Thunder Storm	1%	1%
Tree/Limb in ROW	3%	3%
Tree/Limb out of ROW	2%	2%
Unknown Cause	7%	7%
Vehicles/Heavy Equipment	75%	76%
Vines/Kudzu	0.2%	0.2%
Wind	0.4%	0.3%
Woodcutter	0.2%	0.4%
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		221
10. REPORTING YEAR (SAIDI)		304

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	2.66	377	
12. REPORTING YEAR (SAIFI)	3.9268		
3. CORRECTIVE ACTION PLAN None			
CIRCUIT #: 51			
1. SUBSTATION NAME AND NUMBER	Tyner	03E013	
2. SUBSTATION LOCATION (COUNTY-ROAI	O-TOWN)		
Tyner Tower Rd., Tyner, KY 40486			
3. CIRCUIT NAME AND NUMBER	Egypt F	3	
4. CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA)		
Along HWY 421 to Egypt and stops at HWY 135	•	d	
5. TOTAL CIRCUIT LENGTH (MILES)	70	0.3	
6. CUSTOMER COUNT FOR THIS CIRCUIT	7	'48	
7 DATE OF LAST CIRCUIT TRIM (VM))16	
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC	NG WITH PERCENT	AGE OF TOTAL OUTAGE	
NUMBERS REPRESENTED BY EACH CAUSE	<u> </u>		
	SAIDI	SAIFI	
Animal / Bird	1%	1%	
Equipment	42%	30%	
Ice/Snow	4%	1%	
Lightning	2%	2%	
Maintenance	1%	6%	
Scheduled	3%	3%	
Squirrel	0.1%	0.2%	
Thunder Storm	1%	2%	
Tree/Limb in ROW	25%	24%	
Tree/Limb out of ROW	17%	25%	
Unknown Cause	1%	3%	
Vines/Kudzu	0.3%	1%	
Woodcutter	2%	2%	
9. CIRCUIT 5 YEAR AVERAGE (SA <u>IDI)</u>	2	281	
10. REPORTING YEAR (SAIDI)	4	.99	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	3.16	669	
12. REPORTING YEAR (SAIFI)	3.23	366	
13. CORRECTIVE ACTION PLAN Equipment	issues were located a	nd corrected.	
Jackson Energy will review this feed			

1. SUBSTATION NAME AND NUMBER	West London #1	03E048		
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)				
436 West Laurel Rd., London, KY 40741				
3. CIRCUIT NAME AND NUMBER	Hwy 22	9 F2		
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	•			
Along HWY 192 and HWY 229 to Conley Rd	,			
5. TOTAL CIRCUIT LENGTH (MILES)	1!	5.7		
6. CUSTOMER COUNT FOR THIS CIRCUIT	5	07		
7 DATE OF LAST CIRCUIT TRIM (VM)	2019			
,	8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE			
NUMBERS REPRESENTED BY EACH CAUS		102 01 101/12 001/102		
NOMBERO REI RESERVIES BY EXCITORIO	, _			
	SAIDI	SAIFI		
Animal / Bird	4%	13%		
Equipment	1%	1%		
		0.4%		
		11%		
		22%		
		19%		
	-	-		
	_	-		
		-		
V IIION IRAZIA	1170	<i>7</i> / 0		
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		35		
10. REPORTING YEAR (SAIDI)		46		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.36	71		
12. REPORTING YEAR (SAIFI)	0.43	98		
13. CORRECTIVE ACTION PLAN None				
CIRCUIT #: 53				
1. SUBSTATION NAME AND NUMBER	West London #2	03E048A		
2. SUBSTATION LOCATION (COUNTY-ROA	AD-TOWN)			
436 West Laurel Rd., London, KY 40741				
3. CIRCUIT NAME AND NUMBER	Sublimi	ty F3		
4. CIRCUIT LOCATION (TOWN-ROAD-GENE	ERAL AREA)			
Southeast toward Sublimity City				
5. TOTAL CIRCUIT LENGTH (MILES)	10	0.6		
6. CUSTOMER COUNT FOR THIS CIRCUIT	5	31		
7 DATE OF LAST CIRCUIT TRIM (VM)	20	21		
8. LIST OUTAGE CAUSES FOR CIRCUIT AL	ONG WITH PERCENT.	AGE OF TOTAL OUTAGE		
NUMBERS REPRESENTED BY EACH CAUS	SE .			
Equipment Lightning Maintenance Scheduled Thunder Storm Tree/Limb out of ROW Unknown Cause Vines/Kudzu 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 10. REPORTING YEAR (SAIDI) 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 12. REPORTING YEAR (SAIFI) 13. CORRECTIVE ACTION PLAN CIRCUIT #: 53 1. SUBSTATION NAME AND NUMBER 2. SUBSTATION LOCATION (COUNTY-ROA436 West Laurel Rd., London, KY 40741 3. CIRCUIT NAME AND NUMBER 4. CIRCUIT LOCATION (TOWN-ROAD-GENESOutheast toward Sublimity City 5. TOTAL CIRCUIT LENGTH (MILES) 6. CUSTOMER COUNT FOR THIS CIRCUIT 7 DATE OF LAST CIRCUIT TRIM (VM) 8. LIST OUTAGE CAUSES FOR CIRCUIT AL	4% 1% 1% 9% 35% 20% 8% 11% 11% 11% O.36 0.43 None West London #2 AD-TOWN) Sublimite FRAL AREA) 10 5 20 CONG WITH PERCENT	13% 1% 0.4% 11% 22% 19% 6% 19% 9% 35 46 71 98		

	SAIDI	SAIFI		
Equipment	3%	1%		
Maintenance	0.2%	0.4%		
Scheduled	8%	8%		
Squirrel	0.3%	1%		
Tree/Limb out of ROW	0.3%	0.1%		
Unknown Cause	17%	15%		
Vines/Kudzu	71%	74%		
V 11105/114424	7170	, 1,,0		
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)		35		
10. REPORTING YEAR (SAIDI)		46		
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.96			
12. REPORTING YEAR (SAIFI)	1.32	296		
13. CORRECTIVE ACTION PLAN				
Jackson Energy will monitor the fee	•	of the vines or Kudzu		
can be dealt with to prevent outage	es.			
CIRCUIT #: 54				
1. SUBSTATION NAME AND NUMBER	West London #2	03E048A		
2. SUBSTATION LOCATION (COUNTY-ROA	.D-TOWN)			
436 West Laurel Rd., London, KY 40741	,			
3. CIRCUIT NAME AND NUMBER Cold Hill F4				
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)				
Area along HWY 192 Southwest of London				
5. TOTAL CIRCUIT LENGTH (MILES)	2.	1.6		
6. CUSTOMER COUNT FOR THIS CIRCUIT		310		
7 DATE OF LAST CIRCUIT TRIM (VM)		020		
` '				
8. LIST OUTAGE CAUSES FOR CIRCUIT ALC		AGE OF TOTAL OUTAGE		
NUMBERS REPRESENTED BY EACH CAUS	E			
	SAIDI	SAIFI		
Equipment	0.4%			
Fire	2%			
Maintenance	16%			
Overload	1%			
Scheduled	8%			
Squirrel	6%			
Thunder Storm	43%			
Tree/Limb in ROW	1%			
Tree/Limb out of ROW	2%			
Unknown Cause	19%			
Wind	1%			
** 111U				
	170			

45

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

10. REPORTING YEAR (SAIDI)	49	
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.4687	
12. REPORTING YEAR (SAIFI)	0.4197	
13. CORRECTIVE ACTION PLAN	None	
INCLUDE CURRENT	VECETATION MANACEMENT DI AN	
	VEGETATION MANAGEMENT PLAN e may be attached as needed,	
The vegetation management plan is attached.		
The vegetation management plan is attached.		

SECTION 7: UTILITY COMMENTS

Beattyville substation, EKPC number 03E011, located at 1251 HWY 52 East in Lee County, has been replaced with a new substation. The new substation, EKPC number 03E125, is located at 74 Thunder Road in Lee County. The new substation is also called Beattyville substation.



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 2021

TABLE OF CONTENTS

<u>Item</u>	<u>Description</u>	<u>Page</u>
1.0	<u>Definitions</u>	3
2.0	Bidder's Qualifications	4
3.0	Instructions to Bidders	4
4.0	Introduction: Guidelines and Evaluation Methods	6
5.0	General Requirements	7
6.0	<u>Work</u>	8
7.0	Notification/Authorization to Trim or Remove Trees	9
8.0	Right of Way Clearing/Re-clearing Requirements	12
9.0	Options for Refusals/Reluctance to Yield Right-of-Way	13
10.0	Use of Chemicals and Sprays	14
11.0	Safety to Employees and the Public	16
12.0	Work Assignments	17
13.0	Supervision of Work and Workmanship	18
14.0	Contractor Caused Outages	19
15.0	Payment for Work	19
16.0	Hazard Tree Mitigation Project	20
17.0	Indemnification	20

Section 1.0 <u>Definitions</u>

- 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 Qualifications

- 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	2:00 p.m. October 28 th , 2021	
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 1, 2021**. Work is expected to commence on this Contract **on or after January 1, 2022**, 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.

Goal:

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.
- 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.

- 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, 2022**. 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 Right of Way Clearing/Re-clearing Requirements

- 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.
- 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.
- All work is to be performed under the supervision of the contractor. Work shall be conducted in a manner such that all phases of the clearing and/or reclearing work shall progress concurrently, (i.e., cutting, disposal and final cleanup). 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 Use of Chemicals and Sprays

- 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 National Fire Protection Association (NFPA) health rating 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) <u>For Foliage Application</u>: 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 Work Assignments

- 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 <u>Supervision of Work and Workmanship</u>

- 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 Contractor Caused Outages

- 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 Payment for Work

- 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 Hazard Tree Mitigation Project

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.