

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

**In the Matter of:**

**ELECTRONIC APPLICATION OF KENTUCKY )  
UTILITIES COMPANY FOR AN ADJUSTMENT )  
OF ITS ELECTRIC RATES, A CERTIFICATE OF )  
PUBLIC CONVENIENCE AND NECESSITY TO )  
DEPLOY ADVANCED METERING )  
INFRASTRUCTURE, APPROVAL OF CERTAIN )  
REGULATORY AND ACCOUNTING )  
TREATMENTS, AND ESTABLISHMENT OF A )  
ONE-YEAR SUR-CREDIT )** **CASE NO. 2020-00349**

**ELECTRONIC APPLICATION OF LOUISVILLE )  
GAS AND ELECTRIC COMPANY FOR AN )  
ADJUSTMENT OF ITS ELECTRIC AND GAS )  
RATES, A CERTIFICATE OF PUBLIC )  
CONVENIENCE AND NECESSITY TO DEPLOY )  
ADVANCED METER INFRASTRUCTURE, )  
APPROVAL OF CERTAIN REGULATORY AND )  
ACCOUNTING TREATMENTS, AND )  
ESTABLISHMENT OF A ONE-YEAR )  
SURCREDIT )** **CASE NO. 2020-00350**

**RESPONSE OF  
KENTUCKY UTILITIES COMPANY AND  
LOUISVILLE GAS AND ELECTRIC COMPANY  
TO  
JOINT INTERVENORS' SECOND SUPPLEMENTAL REQUESTS  
MOUNTAIN ASSOCIATION, KENTUCKIANS FOR THE COMMONWEALTH,  
KENTUCKY SOLAR ENERGY SOCIETY  
AND METROPOLITAN HOUSING COALITION'S  
REQUEST FOR INFORMATION  
DATED JULY 22, 2021**


**FILED: AUGUST 2, 2021**



VERIFICATION

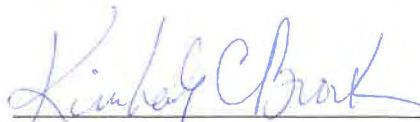
COMMONWEALTH OF KENTUCKY )  
 )  
COUNTY OF JEFFERSON )

The undersigned, **Elizabeth J. McFarland**, being duly sworn, deposes and says that she is Vice President, Transmission for Louisville Gas and Electric Company and Kentucky Utilities Company and an employee of LG&E and KU Services Company, and that she has personal knowledge of the matters set forth in the responses for which she is identified as the witness, and the answers contained therein are true and correct to the best of her information, knowledge, and belief.



Elizabeth J. McFarland

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 30<sup>th</sup> day of July 2021.



Kimberly Brook  
Notary Public

(SEAL)

Notary Public, ID No. KYNP14646

My Commission Expires:

10-16-2020

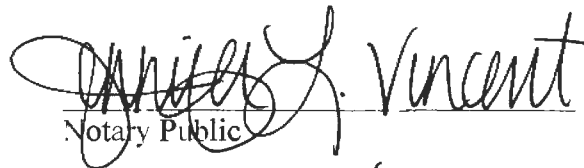
VERIFICATION

COMMONWEALTH OF KENTUCKY )  
 )  
COUNTY OF JEFFERSON )

The undersigned, **Eileen L. Saunders**, being duly sworn, deposes and says that she is Vice President, Customer Services for Louisville Gas and Electric Company and Kentucky Utilities Company and an employee of LG&E and KU Services Company, and that she has personal knowledge of the matters set forth in the responses for which she is identified as the witness, and the answers contained therein are true and correct to the best of her information, knowledge, and belief.

  
**Eileen L. Saunders**

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 29 day of JULY \_\_\_\_\_ 2021.

  
Notary Public  
Notary Public ID No. KYNP32193

My Commission Expires:

JUNE 25, 2025







**KENTUCKY UTILITIES COMPANY AND  
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Joint Intervenors' Second Supplemental Requests  
Mountain Association, Kentuckians for the Commonwealth, Kentucky Solar Energy  
Society and Metropolitan Housing Coalition's Request for Information  
Dated July 22, 2021**

**Case No. 2020-00349 / Case No. 2020-00350**

**Question No. 1**

**Responding Witness: David S. Sinclair**

- Q-1. Please reference the Integrated Resource Plan LGE/KU filed in Case No. 2018-00348 in answer to these questions:
1. In developing the Integrated Resource Plan, the company indicated that “the Companies evaluated whether – in the near-term – existing resources should be replaced with a combination of battery storage and renewables. Several of the cases required significant amounts of replacement capacity in the latter part of the 15-year planning period. For these cases, the Companies evaluated replacement generation portfolios with varying amounts of natural gas and renewable generation, as well as battery storage, for the purpose of demonstrating under what circumstances different portfolios would be least-cost for customers.” 2018 IRP Vol. 1 p. 5-19.
    - a. Has the company updated the assumptions in the evaluation of whether existing resources should be replaced with a combination of battery storage and renewables, to account for changes in the cost and performance of renewable generation and battery storage? If so, please provide those updated evaluations and assumptions used to support those evaluations. If not, why not?
  2. In the 2018 IRP, LGE/KU noted that the “primary focus of resource planning is risk management. Key categories of risk stem from uncertainties related to the way customers use electricity, the performance of generation units, the price of fuel and other commodities, and the future impact of new state and federal regulations. Given these5 uncertainties, the Companies developed long-range resource plans for numerous cases over a range of forecasted energy requirements, fuel prices, carbon dioxide (“CO2”) prices, and generating unit operating lives.” 2018 IRP Vol. 1 p. 5-19.



- a. Have LGE/KU updated the range of values used for fuel prices and fuel prices? If so, please provide the updated values and updated plans reflecting those new fuel and CO2 prices.
- b. Have LGE/KU analyzed the value of distributed renewable generation in:
  - i. mitigating against volatility of fuel prices?
  - ii. mitigating the future impact and costs of compliance with new state and federal regulations on air emissions, water discharges, and waste disposal requirements?
  - iii. mitigating against the cost of compliance specifically with reductions and/or controls on carbon dioxide emissions?

If the answer is “yes” for any of these questions, please provide the analyses performed including all inputs and assumptions.

A-1.

1.

- a. The following table compares the cost and performance assumptions for solar, wind, and battery storage from the Companies’ 2018 IRP, which was based on NREL’s 2018 ATB, and data from NREL’s 2020 ATB for 2021 in-service. The costs for solar and wind located in Kentucky have increased while the costs for non-Kentucky wind has declined. NREL’s 2018 ATB considered an 8-hour battery with fixed and variable O&M costs, while their 2020 ATB considers 2-hour and 4-hour batteries with only fixed O&M costs.

The Companies will file their 2021 IRP by October 19, 2021, which will include an updated analysis of the lowest reasonable cost way to reliably meet customers’ energy needs based on the projected potential need for and costs of new generation and storage resources.

**Cost and Performance Comparison for Renewables and Batteries (2018 dollars)**

<b>2018 IRP – 2018 In-Service</b>				
	<b>Solar</b>	<b>KY Wind</b>	<b>Non-KY Wind</b>	<b>8-Hour Battery</b>
Capital (\$/kW)	1,093	1,637	1,515	2,073
Fixed O&M (\$/kW-year)	10	53	53	9
Variable O&M (\$/MWh)	NA	NA	NA	2.72
Capacity Factor (%)	18-22	30-40	40-50	NA
<b>2020 ATB – 2021 In-Service</b>				
	<b>Solar</b>	<b>KY Wind</b>	<b>Non-KY Wind</b>	<b>4-Hour Battery</b>
Capital (\$/kW)	1,274	2,442	1,459	1,365
Fixed O&M (\$/kW-year)	15	42.14	42.14	34.11
Variable O&M (\$/MWh)	NA	NA	NA	0
Capacity Factor (%)	28	27	42	NA

2.
  - a. See attachment for fuel and CO<sub>2</sub> price forecasts from the 2018 IRP as well as fuel prices from the 2021 BP. The Companies do not have an updated CO<sub>2</sub> price forecast. In the 2021 IRP, the Companies will model compliance with clean energy standards and CO<sub>2</sub> reduction targets. Neither of these types of regulations for reducing CO<sub>2</sub> emissions involves a CO<sub>2</sub> price. Certain information is confidential and proprietary and is being provided under seal pursuant to a petition for confidential protection.
  - b.
    - i. No. The volatility of fuel prices is already low due to the Companies’ fuel procurement strategy and diversity of their generation resources.
    - ii. Yes. See Exhibit SAW-1 (“Analysis of 2020 Environmental Compliance Plan Projects”) in Case Nos. 2020-00060 and 2020-00061.
    - iii. Yes. See “2018 IRP Long-Term Resource Planning Analysis” in Volume III of the 2018 IRP (Case No. 2018-000348) and Exhibit DSS-2 (“2019 Resource Assessment: Renewable RFP”) in Case No. 2020-00016.

2018 IRP										
Year	Delivered Natural Gas Prices (Nominal \$/MMBtu)			Delivered Coal Prices (Nominal \$/MMBtu)					CO <sub>2</sub> Prices (Nominal \$/short ton)	
	Low	Base	High	Brown	Ghent	Mill Creek	Trimble High Sulfur	Trimble PRB	Zero	High
2019									0	0
2020									0	0
2021									0	0
2022									0	0
2023									0	0
2024									0	0
2025									0	0
2026									0	17.00
2027									0	18.17
2028									0	19.37
2029									0	20.62
2030									0	21.90
2031									0	23.23
2032									0	24.59
2033									0	26.00

CONFIDENTIAL INFORMATION REDACTED

2021 BP																		
Year	Delivered Natural Gas Prices (Nominal \$/MMBtu)			Delivered Coal Prices (Nominal \$/MMBtu)														
	Low	Base	High	Low					Base					High				
				Brown	Ghent	Mill Creek	Trimble High Sulfur	Trimble PRB	Brown	Ghent	Mill Creek	Trimble High Sulfur	Trimble PRB	Brown	Ghent	Mill Creek	Trimble High Sulfur	Trimble PRB
2021																		
2022																		
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**CONFIDENTIAL INFORMATION REDACTED**

**KENTUCKY UTILITIES COMPANY AND  
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Joint Intervenors' Second Supplemental Requests  
Mountain Association, Kentuckians for the Commonwealth, Kentucky Solar Energy  
Society and Metropolitan Housing Coalition's Request for Information  
Dated July 22, 2021**

**Case No. 2020-00349 / Case No. 2020-00350**

**Question No. 2**

**Responding Witness: David S. Sinclair**

Q-2. In the 2018 IRP, LGE/KU assumed that "CO2 prices would begin in 2026 in the High CO2 price scenario." Has LGE/KU updated the assumptions and prices assigned to CO2 under the various scenarios in the 2018 IRP? If so, please provide all updated assumptions and prices assigned to CO2.

A-2. See the response to Question No. 1-2a.

**KENTUCKY UTILITIES COMPANY AND  
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**Case No. 2020-00349 / Case No. 2020-00350**

**Question No. 3**

**Responding Witness: David S. Sinclair**

Q-3. According to the 2018 IRP, the “generation cost forecasts utilized. . . was taken from the 2018 Annual Technology Baseline from the National Renewable Energy Laboratory[.]” The IRP noted that “[s]ince the Companies’ 2014 IRP, the cost of renewable and battery technologies have decreased significantly. NREL expects this trend to continue, albeit at a slower rate.”

1. Has LGE/KU updated the generation technology cost forecasts for renewable and battery technologies to reflect the 2021 Annual Technology Baseline published by the NREL? If so, please provide those forecasts for PV and PV plus battery.

A-3.

1. No. The 2021 ATB was published after the Supplemental Testimony was filed in these proceedings. NREL’s 2021 ATB data is publicly available at <https://atb.nrel.gov/electricity/2021/data>.

**KENTUCKY UTILITIES COMPANY AND  
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**Case No. 2020-00349 / Case No. 2020-00350**

**Question No. 4**

**Responding Witness: Robert M. Conroy / Counsel**

- Q-4. Reference the Direct Supplemental Testimony of witness Conroy at p. 4:
1. Is it your testimony that 807 KAR 5:054 applies to net metering as authorized and defined in KRS 278.465 - 468?
  2. Is it your testimony that an eligible customer-generator taking service under a net metering tariff is a "qualifying facility" whose compensatory credit is governed or limited by 807 KAR 5:054 or the Public Utility Regulatory Policies Act of 1978?
  3. Is it your testimony that 807 KAR 5:054 applies to the net metering relationship between a utility and an eligible customer-generator, even though the regulation provides at Section 3 that it applies only to purchases or sales to and from qualifying facilities?
  4. It is your testimony that the crediting of the generation fed back to the grid by an eligible customer-generator is a sale or purchase of electricity?
  5. Is it the position of yourself and the companies that the jurisdiction and discretion of the Commission to determine fair compensatory credit for fed-in solar and the costs of service of customers taking service under a net metering tariff is limited in any manner by FERC regulation or by 807 KAR 5:054?

A-4. Response to all subparts:

Counsel objects to the request to the extent the requests call for a legal conclusion. Without waiver of the objection, no, the Companies do not believe that 807 KAR 5:054 or federal law regarding qualifying facilities ("QFs") is binding concerning net metering in Kentucky. Indeed, the first clause of the paragraph that begins at line 5 of page 4 states, "In contrast to the limiting principles embedded in the QF

regulation,” before expressing the concern that the lack of such limiting principles for net metering is problematic.

But just because QF-related law does not *bind* the Commission regarding net metering compensation rates does not mean it cannot or should not *inform* the Commission’s approach to formulating such rates. The Companies’ view is that formulating net metering compensation rates that are fair, just, and reasonable for all customers—including the overwhelming majority of customers who will never be eligible customer-generators—requires adhering to fundamental avoided cost principles like those expressed in the Commission’s QF regulation. To do otherwise would violate the Commission’s longstanding axiom that utilities must provide service at the lowest reasonable cost, which the Commission has characterized as a statutory requirement: “LG&E has a statutory obligation under KRS 278.030 to serve its customers at the lowest reasonable cost.”<sup>1</sup>

This is true regardless of whether the crediting of the generation fed back to the grid by an eligible customer-generator is a sale or purchase of electricity; however it is characterized, the credits NMS-2 customers will receive will be collected from *all* customers through the Companies’ Fuel Adjustment Clause mechanisms. Therefore, NMS-2 rates must be consistent with lowest reasonable cost principles, and the Commission’s QF regulation, though not binding, provides helpful guidance regarding how to set NMS-2 compensation rates.

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<sup>1</sup> *An Investigation of Electric Rates of Louisville Gas and Electric Company to Implement a 25 Percent Disallowance of Trimble County Unit No. 1*, Case No. 10320, Order at 19 (Ky. PSC Oct. 2, 1989). *See also, e.g., Application of Big Rivers Electric Corp. for a General Adjustment in Its Rates*, Case No. 2009-00040, Order at 2 (Ky. PSC Aug. 14, 2009) (“Big Rivers must be diligent in determining future expenses, as well as capital investments, to ensure that it is providing a high quality of service at the lowest reasonable cost.”); *Application of The Union Light, Heat and Power Company for Certain Findings under 15 U.S.C. Sec. 79Z*, Case No. 2001-00058, Order at 7 (Ky. PSC May 11, 2001) (“The Commission believes that reviewing ULH&P’s power supply alternatives will be critical to assuring northern Kentucky that it will have a long-term reliable power supply at the lowest reasonable cost.”).



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**Case No. 2020-00349 / Case No. 2020-00350**

**Question No. 5**

**Responding Witness: Robert M. Conroy**

Q-5. On Page 4 of the Direct Supplemental Testimony of witness Conroy, it is stated that:

“In contrast to the limiting principles embedded in the QF regulation, the methodology approved in the Kentucky Power case and now proposed in this case for determining avoided cost has no such boundaries. Under the present proposal, there are eight components, but there are no controls, or checks and balances on adding additional components. Thus, the possibility of adding greater and greater amounts of cost is unlimited. This is a fundamental flaw that cannot be cured.”

1. Is it your testimony that the Commission cannot be trusted to determine what components of costs and benefits should be considered in determining the value of the compensatory credit to be assigned fed-back electricity, or the actual cost of service of eligible customer-generators?
2. Is it your testimony that judicial review of a Commission decision “adding additional components” to the eight identified in the Kentucky Power Company case (May 14, 2021 Order, Case No. 2020- 00174) is unavailable?
3. If such review is available, would that not constitute a “control, check, and balance?”
4. Are you aware that the Kentucky General Assembly assigned the task of determining the value to be assigned for the compensatory credit for fed-back electricity to the Commission?
5. Did your company support or oppose Senate Bill 100 as it was enacted by the General Assembly?

6. Are you aware that in the Supplemental Direct Testimony of witness Seelye, p. 7 lines 12-19, he acknowledged that the seven avoided cost “components” your testimony references at , which were adopted in the KPC May 14, 2021 Order and were identified in the June 30, 2021.rder in these proceedings, “represent reasonable types of avoided costs that could be considered with respect to export compensation rates under NMS-2”?
7. Given that witness Seelye has acknowledged the 7 avoided cost components adopted by the Commission in the KPC case 2020-00174 (which along with job benefits comprise the “eight components” that are referenced in your testimony at p. 4 line 8, represent reasonable types of avoided costs that could be considered, is there any empirical basis in past Commission Orders for your assertion that “[t]he possibility of adding greater and greater amounts of cost is unlimited. This is a fundamental flaw that cannot be cured.” If so, please provide any such evidence.

A-5.

1. Mr. Conroy’s testimony makes no such assertion.
2. No.
3. Yes, judicial review is a check on the Commission’s authority and its exercise thereof. But a better approach for all involved would be to limit net metering compensation components only to genuinely avoidable costs of utility service that are within the Commission’s jurisdiction.
4. KRS 278.466(3) specifies that “the rate to be used for such compensation shall be set by the commission using the ratemaking processes under this chapter....”
5. Which legislation the Companies supported or opposed—or which legislation the Joint Intervenors supported or opposed—is irrelevant to these proceedings. Kentucky’s Net Metering Statutes (KRS 278.465 et seq.) are the law. They, not the Companies’ or the Joint Intervenors’ legislative preferences, govern setting net metering compensation rates in these proceedings.
6. Yes.
7. The empirical evidence that gives rise to the Companies’ concern is the creation of a “jobs benefit and economic development” net metering compensation component in the Kentucky Power Company proceeding (Case No. 2020-00174). The Commission has also requested testimony on “job benefits as they relate to calculating the NMS-2 export compensation rates” in these proceedings. As the Companies addressed in their post-hearing reply

brief and Mr. Conroy explained in his supplemental testimony, such a compensation component is outside the Commission's jurisdiction to create or impose. That such a component is at issue in these proceedings is cause for concern and opens the door to the possibility of adding more compensation components that are beyond the Commission's statutory authority. Indeed, the witnesses for the Joint Intervenors have repeatedly invited the Commission to do just that in these proceedings.<sup>2</sup> Therefore, the concern expressed in Mr. Conroy's testimony is well founded.

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<sup>2</sup> *See, e.g.*, Owen Supplemental Testimony at 7-8 (addressing the social cost of carbon); Rábago Supplemental Testimony at 5 (recommending including "Health Liability" in NMS-2 compensation).

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Dated July 22, 2021**

**Case No. 2020-00349 / Case No. 2020-00350**

**Question No. 6**

**Responding Witness: David S. Sinclair**

Q-6.

1. What are the Companies' annual CO<sub>2</sub> emissions from each and from all generating units and power supply sources, starting in 2019 and projected through 2050?
2. What were the total methane emissions associated with the Company's natural gas fuel supply (including leakage losses), from the wellhead, to the pipeline, to the final end-use at the power plant, in 2019 and 2020?
3. What are the Companies' annual nitrous oxide emissions from each and from all generating units and power supply sources, starting in 2020 and projected through 2050?
4. What were the Companies' total greenhouse gas emissions, in CO<sub>2</sub>-equivalents, including emissions of CO<sub>2</sub>, methane, and nitrous oxide, starting in 2019 and projected through 2050?
5. What were the Company's total annual market sales of energy (MWh) in 2017 - 2020 and what are the projected annual sales through 2050?
6. Please provide the range of carbon costs that the Companies' have used in the most recent IRP in making forecasts for meeting customer energy

A-6.

1. See attached.
2. The Companies do not have this information.
3. See attached.
4. See attached.

5. The table below contains actual market sales for 2017-2020 and projected market sales for 2021-2050.

<b>Year</b>	<b>Market Sales (MWh)</b>
2017	329,836
2018	669,497
2019	328,005
2020	174,421
2021	285,700
2022	206,200
2023	142,700
2024	176,000
2025	255,600
2026	263,400
2027	343,400
2028	396,500
2029	448,300
2030	481,300
2031	500,400
2032	485,800
2033	471,400
2034	579,800
2035	593,500
2036	607,900
2037	629,900
2038	698,500
2039	812,000
2040	864,200
2041	933,200
2042	980,300
2043	1,027,200
2044	997,900
2045	928,300
2046	890,300
2047	893,400
2048	887,800
2049	892,800
2050	890,500

6. See the response to Question No. 1(2a).

CO <sub>2</sub> Emissions per Unit by Year (metric tons)	Actuals										
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
EW Brown CT 10	23,037	13,112	15,906	7,373	25,516	36,907	29,091	19,917	22,873	16,381	6,350
EW Brown CT 11	13,822	5,602	4,906	3,750	6,471	7,232	5,651	9,042	9,320	9,793	3,745
EW Brown 3	929,810	1,244,674	1,091,920	1,002,451	1,197,322	1,142,221	1,076,994	925,533	861,437	0	0
EW Brown CT 5	63,669	18,766	94,801	42,594	150,525	114,826	112,776	181,542	137,351	118,924	50,821
EW Brown CT 6	110,433	42,632	61,445	66,457	46,157	52,767	43,896	63,978	74,577	76,396	48,141
EW Brown CT 7	45,254	29,503	31,987	39,937	35,084	36,028	33,696	47,657	58,889	51,311	37,738
EW Brown CT 8	8,606	7,484	10,338	4,974	7,091	12,008	6,364	10,811	13,280	20,025	3,219
EW Brown CT 9	33,584	14,301	19,617	7,352	8,275	17,908	14,957	17,193	30,380	22,849	7,414
Cane Run 7	1,916,594	1,704,607	2,041,555	2,084,421	2,115,086	1,834,179	2,130,680	2,087,207	2,133,308	1,830,738	2,106,735
CC1X1 01	0	0	0	0	0	0	0	0	0	1,313,207	1,336,519
CC1X1 02	0	0	0	0	0	0	0	0	0	0	0
CC1X1 03	0	0	0	0	0	0	0	0	0	0	0
CC1X1 04	0	0	0	0	0	0	0	0	0	0	0
CC1X1 05	0	0	0	0	0	0	0	0	0	0	0
CC1X1 06	0	0	0	0	0	0	0	0	0	0	0
CC1X1 07	0	0	0	0	0	0	0	0	0	0	0
CC1X1 08	0	0	0	0	0	0	0	0	0	0	0
Ghent 1	2,709,811	2,597,493	2,698,686	2,668,376	2,961,870	2,910,760	2,716,789	2,897,469	2,878,244	2,767,012	2,483,818
Ghent 2	2,413,253	2,317,247	2,968,442	2,878,292	2,965,474	2,633,551	2,882,658	2,844,678	2,504,482	2,807,374	2,701,062
Ghent 3	2,227,618	2,411,829	2,703,134	2,613,608	2,512,088	2,541,683	2,463,114	2,318,116	2,510,802	2,449,331	2,331,988
Ghent 4	2,468,928	2,241,623	2,505,478	2,312,053	2,384,651	2,181,741	2,396,748	2,199,562	2,241,013	1,876,559	2,066,333
Haefling	2	6	326	393	116	191	0	0	0	0	0
Mill Creek 1	1,421,383	1,570,402	1,999,002	2,167,096	1,975,147	2,296,468	0	0	0	0	0
Mill Creek 2	1,737,246	845,601	675,444	865,981	851,664	892,831	2,244,722	2,007,741	2,240,419	0	0
Mill Creek 3	1,779,679	1,695,676	2,404,117	2,876,372	2,509,705	3,070,496	2,815,899	3,088,781	2,571,016	3,011,448	2,761,525
Mill Creek 4	2,986,100	2,234,733	3,291,344	2,875,366	3,289,799	3,221,863	3,523,630	3,314,500	3,559,663	3,178,898	3,446,386
Paddys Run CT 11	63	27	98	112	112	248	0	0	0	0	0
Paddys Run CT 12	422	33	433	122	244	413	0	0	0	0	0
Paddys Run CT 13	37,662	20,014	49,665	36,310	21,384	22,349	15,084	16,023	48,226	54,921	41,036
Trimble County CT 5	173,612	110,218	178,945	253,982	178,296	215,926	251,283	321,008	275,982	228,913	244,353
Trimble County CT 6	57,642	20,382	199,476	196,884	123,672	147,551	179,239	221,532	136,381	217,607	182,465
Trimble County CT 7	100,420	59,453	145,157	152,577	116,666	94,277	120,467	161,855	158,540	173,045	140,667
Trimble County CT 8	44,702	46,698	29,140	33,345	20,625	19,235	16,479	26,143	36,186	38,305	16,691
Trimble County CT 9	89,264	82,622	104,364	117,540	82,593	70,548	70,330	125,329	94,395	129,940	95,271
Trimble County CT 10	45,235	10,998	13,484	17,222	11,627	15,513	10,316	11,272	21,170	20,872	9,661
Trimble County 1	2,067,638	2,327,360	2,453,731	2,740,995	2,603,807	2,737,497	2,399,990	2,785,223	2,668,085	2,783,485	2,635,716
Trimble County 2	3,036,064	3,193,755	2,918,332	2,793,286	2,568,053	2,876,719	2,916,116	2,610,825	2,880,503	2,875,622	2,815,415
Zorn 1	42	14	94	0	0	0	0	0	0	0	0

CO <sub>2</sub> Emissions per Unit by Year (metric tons)	Projected Based upon Modeled Demand in July 2021										
	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
EW Brown CT 10	4,509	5,072	5,487	5,299	1,766	5,954	4,351	6,810	9,266	7,351	5,875
EW Brown CT 11	1,838	2,445	2,314	3,718	1,167	1,095	1,137	2,539	4,556	5,527	4,516
EW Brown 3	0	0	0	0	0	0	0	0	0	0	0
EW Brown CT 5	33,436	25,360	20,179	19,633	10,285	13,524	20,094	15,651	16,710	12,524	18,249
EW Brown CT 6	51,123	39,525	43,108	55,378	38,430	57,584	45,919	44,424	40,241	39,037	48,679
EW Brown CT 7	38,070	24,287	29,221	37,344	27,918	38,272	37,964	31,591	30,542	25,740	31,799
EW Brown CT 8	6,135	2,172	2,921	5,898	3,552	9,607	8,792	8,089	12,735	9,571	8,486
EW Brown CT 9	6,679	5,776	5,992	11,339	2,894	9,594	8,009	7,427	11,283	10,327	8,816
Cane Run 7	2,072,006	2,029,856	1,916,089	2,005,440	2,075,909	1,784,357	2,054,119	2,029,208	2,040,521	1,935,396	1,906,649
CC1X1 01	1,216,156	1,174,917	1,208,425	1,214,358	1,257,729	1,342,495	1,329,256	1,286,220	1,265,080	1,234,348	1,222,184
CC1X1 02	0	0	0	0	852,414	1,321,907	1,274,396	1,219,502	1,264,386	1,226,322	1,222,734
CC1X1 03	0	0	0	0	780,775	1,187,166	1,103,834	1,129,740	1,253,455	1,220,370	1,216,493
CC1X1 04	0	0	0	0	0	0	0	741,314	1,148,545	1,152,153	1,214,092
CC1X1 05	0	0	0	0	0	0	0	568,812	903,217	1,063,363	1,181,200
CC1X1 06	0	0	0	0	0	0	0	0	0	691,191	1,066,250
CC1X1 07	0	0	0	0	0	0	0	0	0	574,228	847,277
CC1X1 08	0	0	0	0	0	0	0	0	0	0	0
Ghent 1	2,694,486	2,823,660	2,799,533	2,826,513	834,379	0	0	0	0	0	0
Ghent 2	2,609,043	2,748,012	2,803,960	2,713,179	981,196	0	0	0	0	0	0
Ghent 3	2,252,717	2,485,391	2,361,519	2,415,899	2,350,762	2,268,674	2,207,166	831,987	0	0	0
Ghent 4	2,160,494	2,204,678	2,174,488	2,200,086	2,029,428	1,960,463	1,853,114	644,446	0	0	0
Haefling	0	0	0	0	0	0	0	0	0	0	0
Mill Creek 1	0	0	0	0	0	0	0	0	0	0	0
Mill Creek 2	0	0	0	0	0	0	0	0	0	0	0
Mill Creek 3	2,982,495	2,812,212	2,982,914	2,800,838	2,741,679	2,345,997	2,617,379	2,312,565	2,241,581	808,039	0
Mill Creek 4	3,065,230	3,502,374	3,344,745	3,516,510	3,034,029	3,126,048	2,918,496	2,815,983	2,426,618	934,197	0
Paddys Run CT 11	0	0	0	0	0	0	0	0	0	0	0
Paddys Run CT 12	0	0	0	0	0	0	0	0	0	0	0
Paddys Run CT 13	44,088	37,351	43,710	53,037	36,272	50,234	40,504	47,914	38,007	37,519	40,105
Trimble County CT 5	255,095	198,136	212,894	222,153	206,763	238,225	185,812	195,802	168,125	158,848	160,045
Trimble County CT 6	206,434	157,518	158,402	177,516	152,337	189,589	144,129	157,419	131,395	126,803	131,105
Trimble County CT 7	154,589	113,505	139,692	137,186	115,414	141,475	116,267	119,406	101,257	106,469	101,335
Trimble County CT 8	23,395	16,185	18,982	20,072	14,360	19,669	20,019	18,638	14,424	17,530	17,633
Trimble County CT 9	115,977	89,230	106,675	100,414	81,540	94,867	80,849	87,031	67,729	77,436	81,816
Trimble County CT 10	13,680	9,684	12,615	11,830	9,895	9,849	10,033	9,165	10,430	10,680	10,409
Trimble County 1	2,783,539	2,552,308	2,748,375	2,330,531	2,669,574	2,466,891	2,612,785	2,373,120	2,161,236	1,992,765	2,011,567
Trimble County 2	2,843,170	2,845,403	2,852,025	2,869,086	2,485,843	2,726,300	2,678,210	2,541,995	2,427,623	2,302,066	2,188,236
Zorn 1	0	0	0	0	0	0	0	0	0	0	0

CO <sub>2</sub> Emissions per Unit by Year (metric tons)										
	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050
EW Brown CT 10	2,979	1,673	2,509	3,164	5,961	11,486	8,838	5,140	9,475	8,459
EW Brown CT 11	2,156	1,635	1,277	1,377	4,532	7,766	6,191	6,707	4,094	5,656
EW Brown 3	0	0	0	0	0	0	0	0	0	0
EW Brown CT 5	6,819	7,554	5,785	9,096	21,972	16,886	22,729	22,693	20,973	16,511
EW Brown CT 6	30,965	24,369	26,370	33,452	46,324	44,040	50,646	51,165	59,778	51,097
EW Brown CT 7	19,409	17,362	15,640	18,518	35,201	32,003	36,557	38,569	44,067	36,361
EW Brown CT 8	5,549	3,438	2,929	3,749	16,244	14,381	13,885	12,137	14,384	13,032
EW Brown CT 9	3,827	3,575	5,219	3,921	11,926	10,457	14,666	11,887	13,135	11,051
Cane Run 7	1,885,474	1,917,763	1,871,377	1,650,592	1,893,810	1,924,058	1,896,558	1,914,597	1,902,536	1,941,824
CC1X1 01	1,203,147	1,197,528	1,206,314	1,210,136	1,209,647	1,216,658	1,223,391	1,228,395	1,217,125	1,211,348
CC1X1 02	1,204,375	1,209,438	1,201,166	1,194,328	1,205,764	1,212,071	1,216,237	1,218,366	1,217,258	1,221,806
CC1X1 03	1,210,185	1,205,159	1,207,001	1,204,284	1,210,217	1,209,823	1,220,428	1,223,423	1,220,982	1,214,706
CC1X1 04	1,198,483	1,196,953	1,199,916	1,190,062	1,207,412	1,213,099	1,217,009	1,219,318	1,222,586	1,210,296
CC1X1 05	1,172,384	1,162,156	1,198,657	1,180,589	1,201,870	1,210,710	1,213,706	1,218,388	1,206,872	1,212,607
CC1X1 06	1,092,627	1,076,677	1,089,342	1,141,085	1,163,679	1,149,278	1,186,441	1,172,745	1,186,773	1,169,688
CC1X1 07	895,101	889,163	911,159	997,593	992,764	1,034,523	1,024,504	1,011,160	1,025,083	1,019,417
CC1X1 08	480,665	624,155	619,697	716,815	713,430	808,685	776,041	735,124	720,460	775,547
Ghent 1	0	0	0	0	0	0	0	0	0	0
Ghent 2	0	0	0	0	0	0	0	0	0	0
Ghent 3	0	0	0	0	0	0	0	0	0	0
Ghent 4	0	0	0	0	0	0	0	0	0	0
Haefling	0	0	0	0	0	0	0	0	0	0
Mill Creek 1	0	0	0	0	0	0	0	0	0	0
Mill Creek 2	0	0	0	0	0	0	0	0	0	0
Mill Creek 3	0	0	0	0	0	0	0	0	0	0
Mill Creek 4	0	0	0	0	0	0	0	0	0	0
Paddys Run CT 11	0	0	0	0	0	0	0	0	0	0
Paddys Run CT 12	0	0	0	0	0	0	0	0	0	0
Paddys Run CT 13	28,484	20,695	20,863	22,733	37,556	39,422	43,351	49,265	52,108	46,587
Trimble County CT 5	129,519	105,977	99,294	104,871	137,212	164,205	158,071	164,969	175,372	169,695
Trimble County CT 6	103,553	81,355	81,288	85,768	107,314	131,778	136,096	135,630	140,919	130,956
Trimble County CT 7	74,595	60,435	64,024	66,218	92,125	103,432	106,676	108,656	115,983	106,777
Trimble County CT 8	8,533	8,965	9,487	12,459	18,562	16,509	21,530	20,813	19,589	19,411
Trimble County CT 9	55,955	42,518	44,072	55,589	74,857	78,952	81,801	74,369	91,013	81,656
Trimble County CT 10	6,031	5,111	5,655	6,584	9,991	10,884	13,162	12,963	12,027	12,562
Trimble County 1	1,690,804	1,677,234	1,597,265	1,696,639	680,604	0	0	0	0	0
Trimble County 2	1,890,059	1,701,073	1,924,272	1,869,442	1,713,520	1,786,723	1,762,206	1,862,182	1,834,739	1,801,974
Zorn 1	0	0	0	0	0	0	0	0	0	0



N <sub>2</sub> O Emissions per Unit by Year (metric tons)	Actuals		Projected Based upon Modeled Demand in July 2021																					
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	
EW Brown CT 10	0.04	0.02	0.03	0.01	0.04	0.06	0.05	0.03	0.04	0.03	0.01	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.02	0.01	0.01	0.00
EW Brown CT 11	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00
EW Brown 3	1.13	1.34	17.00	0.98	1.16	1.11	1.05	0.90	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
EW Brown CT 5	0.12	0.03	0.16	0.07	0.25	0.19	0.19	0.30	0.23	0.20	0.08	0.06	0.04	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.01	
EW Brown CT 6	0.20	0.08	0.10	0.11	0.08	0.09	0.07	0.10	0.12	0.13	0.08	0.08	0.06	0.07	0.09	0.06	0.09	0.07	0.07	0.07	0.06	0.08	0.05	
EW Brown CT 7	0.08	0.05	0.05	0.07	0.06	0.06	0.06	0.08	0.10	0.08	0.06	0.06	0.04	0.05	0.06	0.05	0.06	0.06	0.05	0.05	0.04	0.05	0.03	
EW Brown CT 8	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.02	0.02	0.03	0.01	0.01	0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.01	0.01	
EW Brown CT 9	0.06	0.03	0.03	0.01	0.01	0.03	0.02	0.03	0.05	0.04	0.01	0.01	0.01	0.01	0.02	0.00	0.02	0.01	0.01	0.02	0.02	0.01	0.01	
Cane Run 7	3.55	3.16	3.45	3.53	3.58	3.10	3.60	3.53	3.61	3.10	3.56	3.51	3.43	3.24	3.39	3.51	3.02	3.48	3.43	3.45	3.27	3.22	3.19	
CC1X1 01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.24	2.28	2.07	2.00	2.05	2.06	2.14	2.29	2.26	2.19	2.16	2.10	2.08	2.05	
CC1X1 02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.45	2.25	2.17	2.07	2.15	2.09	2.08	2.05	
CC1X1 03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	2.02	1.87	1.92	2.13	2.08	2.07	2.06	
CC1X1 04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.26	1.95	1.96	2.07	2.04	
CC1X1 05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.22	22.58	26.58	29.53	29.31	
CC1X1 06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
CC1X1 07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	1.43	1.51	
CC1X1 08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.81	
Ghent 1	2.91	2.79	42.05	2.60	2.88	2.83	2.65	2.82	2.80	2.69	2.42	2.62	2.75	2.73	2.75	0.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Ghent 2	2.59	2.49	46.26	2.80	2.89	2.56	2.81	2.77	2.44	2.73	2.63	2.54	2.68	2.73	2.64	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Ghent 3	2.39	2.59	42.08	2.54	2.44	2.47	2.40	2.26	2.44	2.38	2.27	2.19	2.42	2.30	2.35	2.29	2.21	2.15	0.81	0.00	0.00	0.00	0.00	
Ghent 4	2.65	2.41	38.99	2.25	2.32	2.12	2.33	2.14	2.18	1.82	2.01	2.10	2.14	2.11	2.14	1.97	1.90	1.80	0.63	0.00	0.00	0.00	0.00	
Haefling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Mill Creek 1	1.53	1.69	31.13	2.11	1.92	2.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Mill Creek 2	1.87	0.91	10.52	0.84	0.83	0.87	2.19	1.95	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Mill Creek 3	1.92	1.83	37.32	2.79	2.44	2.98	2.73	3.00	2.50	2.92	2.68	2.90	2.73	2.90	2.72	2.66	2.28	2.54	2.24	2.17	0.78	0.00	0.00	
Mill Creek 4	3.21	2.41	51.14	2.79	3.19	3.13	3.42	3.22	3.46	3.09	3.35	2.98	3.40	3.25	3.42	2.95	3.04	2.83	2.73	2.35	0.91	0.00	0.00	
Paddys Run CT 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Paddys Run CT 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Paddys Run CT 13	0.07	0.04	0.08	0.06	0.04	0.04	0.03	0.03	0.08	0.09	0.07	0.07	0.06	0.07	0.09	0.06	0.08	0.07	0.08	0.06	0.06	0.07	0.05	
Trimble County CT 5	0.32	0.20	0.30	0.42	0.30	0.36	0.42	0.53	0.46	0.38	0.41	0.42	0.33	0.35	0.37	0.34	0.40	0.31	0.33	0.28	0.26	0.27	0.22	
Trimble County CT 6	0.11	0.04	0.33	0.33	0.21	0.25	0.30	0.37	0.23	0.36	0.30	0.34	0.26	0.26	0.30	0.25	0.32	0.24	0.26	0.22	0.21	0.22	0.17	
Trimble County CT 7	0.19	0.11	0.24	0.25	0.19	0.16	0.20	0.27	0.26	0.29	0.23	0.26	0.19	0.23	0.23	0.19	0.24	0.19	0.20	0.17	0.18	0.17	0.12	
Trimble County CT 8	0.08	0.09	0.05	0.06	0.03	0.03	0.03	0.04	0.06	0.06	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.01	
Trimble County CT 9	0.17	0.15	0.17	0.20	0.14	0.12	0.12	0.21	0.16	0.22	0.16	0.19	0.15	0.18	0.17	0.14	0.16	0.13	0.14	0.11	0.13	0.14	0.09	
Trimble County CT 10	0.08	0.02	0.02	0.03	0.02	0.03	0.02	0.02	0.04	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	
Trimble County 1	2.22	2.50	38.19	2.67	2.53	2.66	2.33	2.71	2.60	2.71	2.56	2.71	2.48	2.67	2.27	2.60	2.40	2.54	2.31	2.10	1.94	1.95	1.64	
Trimble County 2	3.19	3.36	45.21	2.70	2.49	2.78	2.82	2.53	2.79	2.78	2.72	2.75	2.75	2.76	2.78	2.41	2.64	2.59	2.46	2.34	2.22	2.11	1.81	
Zorn 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

N <sub>2</sub> O Emissions per Unit by Year (metric tons)									
	2042	2043	2044	2045	2046	2047	2048	2049	2050
EW Brown CT 10	0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.02	0.01
EW Brown CT 11	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
EW Brown 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EW Brown CT 5	0.01	0.01	0.02	0.04	0.03	0.04	0.04	0.03	0.03
EW Brown CT 6	0.04	0.04	0.05	0.08	0.07	0.08	0.08	0.10	0.08
EW Brown CT 7	0.03	0.03	0.03	0.06	0.05	0.06	0.06	0.07	0.06
EW Brown CT 8	0.01	0.00	0.01	0.03	0.02	0.02	0.02	0.02	0.02
EW Brown CT 9	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Cane Run 7	3.24	3.17	2.79	3.20	3.25	3.21	3.24	3.22	3.28
CC1X1 01	2.04	2.06	2.06	2.06	2.07	2.08	2.09	2.07	2.06
CC1X1 02	2.06	2.05	2.03	2.05	2.06	2.07	2.08	2.07	2.08
CC1X1 03	2.05	2.06	2.05	2.06	2.06	2.08	2.08	2.08	2.07
CC1X1 04	2.04	2.04	2.03	2.06	2.07	2.07	2.08	2.08	2.06
CC1X1 05	29.05	29.97	29.51	30.05	30.27	30.34	30.46	30.17	30.32
CC1X1 06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CC1X1 07	1.51	1.54	1.69	1.68	1.75	1.74	1.71	1.74	1.73
CC1X1 08	1.05	1.04	1.20	1.20	1.36	1.31	1.24	1.21	1.30
Ghent 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ghent 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ghent 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ghent 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Haefling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mill Creek 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mill Creek 2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mill Creek 3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mill Creek 4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paddys Run CT 11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paddys Run CT 12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Paddys Run CT 13	0.03	0.03	0.04	0.06	0.07	0.07	0.08	0.09	0.08
Trimble County CT 5	0.18	0.16	0.17	0.23	0.27	0.26	0.27	0.29	0.28
Trimble County CT 6	0.14	0.14	0.14	0.18	0.22	0.23	0.23	0.23	0.22
Trimble County CT 7	0.10	0.11	0.11	0.15	0.17	0.18	0.18	0.19	0.18
Trimble County CT 8	0.01	0.02	0.02	0.03	0.03	0.04	0.03	0.03	0.03
Trimble County CT 9	0.07	0.07	0.09	0.12	0.13	0.14	0.12	0.15	0.14
Trimble County CT 10	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02
Trimble County 1	1.63	1.55	1.64	0.66	0.00	0.00	0.00	0.00	0.00
Trimble County 2	1.63	1.85	1.79	1.63	1.71	1.68	1.78	1.76	1.73
Zorn 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Year	Total CO2e	
2019	26,558,445	<i>Actual</i>
2020	24,882,403	<i>Actual</i>
2021	28,902,032	
2022	28,875,787	
2023	28,785,596	
2024	29,220,543	
2025	28,493,323	
2026	28,329,310	
2027	28,182,788	
2028	26,088,535	
2029	25,588,388	
2030	25,649,701	
2031	25,920,397	
2032	26,009,649	
2033	25,768,574	
2034	22,810,687	
2035	21,423,806	
2036	21,386,574	
2037	18,690,772	
2038	16,897,777	
2039	14,727,094	
2040	13,574,321	
2041	13,239,172	
2042	13,089,639	
2043	13,221,812	
2044	13,308,379	
2045	12,620,327	
2046	12,246,732	
2047	12,246,600	
2048	12,309,892	
2049	12,330,093	
2050	12,286,045	

**KENTUCKY UTILITIES COMPANY AND  
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Dated July 22, 2021**

**Case No. 2020-00349 / Case No. 2020-00350**

**Question No. 7**

**Responding Witness: Robert M. Conroy / David S. Sinclair**

Q-7. On p.28 of his testimony (p.70 pdf), Mr. Seelye states:

“As explained in Mr. Sinclair’s testimony, currently there are no laws or regulations that put a price on CO2 emissions. If a price is placed on CO2 emissions in the future, then an avoided cost could be included in a future filing. Also as explained in Mr. Sinclair’s testimony, avoided environmental compliance costs are fully accounted for in the avoided energy and capacity cost components.”

1. Is it yours and the Companies’ testimony that if and when a price is placed on CO2 emissions, the Companies will promptly apply to the Commission to adjust the NMS compensation rates to ensure that customer-generators are fairly compensated for the value they provide by reducing those emissions?
2. Are the Companies proposing to adjust their NMS rates on an ongoing basis to account for changes in CO2 pricing?
3. Please provide all data, documents, and analysis to show how all environmental compliance costs are included within the Companies’ proposed SQF and LQF tariffs.
4. Please provide all internal planning documents and analysis related to potential future regulations, costs, and liabilities for the Companies related to: coal ash management and disposal; coal ash ponds; NOx, SOx, and Mercury emissions; carbon emissions; air quality; water quality; and public health in communities impacted by these environmental impacts.

A-7.

1. No, just as the Companies do not apply to the Commission to change other non-mechanism rates as soon as any other single input cost or market condition changes.

2. When the Companies seek to change their NMS-2 compensation rates, they will include avoided carbon cost, to the extent there are any, in their analysis in accordance with the Commission’s recent orders.
3. See Supplemental Exhibit DSS-1 and Supplemental Exhibit DSS-2. The Companies’ avoided energy costs reflect the impact of replacing coal with natural gas and include the cost of consumables such as limestone, ammonia, and emission allowances for complying with existing environmental regulations. Avoided capacity cost is computed as the lesser of two avoided capacity cost estimates: one based on the current market price of the QF and one based on the levelized cost of CT.
4. The analysis summarized in Mr. Bellar’s Direct Testimony, Exhibit LEB-2, evaluated the early retirements of Mill Creek Unit 1 and Mill Creek Unit 2 in the context of the existing and a potentially more stringent NAAQS for ozone. This risk was also evaluated in Mr. Wilson’s Direct Testimony, Exhibit SAW-1, in Case No. 2020-00060.<sup>3</sup> Two CO<sub>2</sub> price scenarios were evaluated in the 2018 IRP. In addition, in Exhibit SAW-1 in Case No. 2020-00060, the Companies compared the cost of ELG compliance to the cost of complying early with a range of potential CO<sub>2</sub> regulations.

The Companies are closing all ash ponds to comply with the CCR Rule. Due to coal retirements nationally, the supply of fly ash and other coal combustion residuals (“CCR”) has been reduced such that the Companies are able to sell the majority of their CCR into beneficial reuse markets. As a result, the Companies do not currently forecast a need for additional landfill capacity for CCRs. Future resource decisions will likely not impact the cost of complying with new regulations pertaining to coal ash management. All of the Companies’ coal units are equipped with scrubbers to comply with regulations pertaining to SO<sub>x</sub> emissions. The Companies are presently complying with the EPA’s amended Effluent Limit Guidelines.

The Companies would note that air quality, water quality, and public health per se are externalities to the Companies’ cost of service. To the extent governmental bodies that do have jurisdiction over those issues create laws, regulations, or costs that apply to the Companies, the Companies include those costs in their planning processes, and those costs would be included in avoided cost calculations for NMS-2.

Finally, it is important to recognize that whatever the “potential future regulations, costs, and liabilities” might be regarding the issues addressed in

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<sup>3</sup> Available at [https://psc.ky.gov/psccef/2020-00060/andrea.fackler%40lge-ku.com/03312020124413/6\\_-\\_KU\\_Testimony\\_and\\_Exhibits\\_2020\\_ECR\\_Plan.pdf](https://psc.ky.gov/psccef/2020-00060/andrea.fackler%40lge-ku.com/03312020124413/6_-_KU_Testimony_and_Exhibits_2020_ECR_Plan.pdf).

this request, they will be equally well avoided by utility-scale solar (or other renewable resources) as by net-metering-scale generators. There is nothing unique or special about rooftop solar in this regard: a kWh of energy delivered to the Companies' grid by a rooftop solar facility is *identical* with regard to its impact on all the items addressed in this request as is a kWh delivered to the Companies' grid by a utility-scale solar facility (after adjusting for line loss differences, if any).

**KENTUCKY UTILITIES COMPANY AND  
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**Case No. 2020-00349 / Case No. 2020-00350**

**Question No. 8**

**Responding Witness: Eileen L. Saunders / William Steven Seelye**

Q-8. On p.22 of his Supplemental Testimony (p.65 pdf), Mr. Seelye states:

“With customer-generators there is no assurance that their solar facilities will be in place over a sufficiently long period of time to allow the Companies to avoid or defer generation capacity. In order to allow the Companies to avoid generation capacity, KU and LG&E must have some assurance that any capacity provided by a customer-generator would be in place and operational over a period of time of 20 years or more.”

1. Please provide all data indicating the number of net metering customer-generators who have closed their accounts since the Companies began offering NM service in 2004. What percent of all Company NM customers have closed their accounts? Of these customer-generators who have closed their accounts, how many of the NM generators ceased operation and how many were transferred to new owners and continued operation? What percentage of all generators that have begun service under NMS-I have ceased operation?
2. Please provide the total number of kilowatt-hour credits remaining in the accounts of NM customers who have closed their accounts.
3. Over the years the Companies have provided DSM incentives to customers which have encouraged conservation, through programs that have incentivized the purchase of Energy Star appliances and HVAC systems, for example. These programs have been judged cost effective by the Commission based on a useful life of the equipment which is measured in years. Are the companies arguing that customers may be trusted to operate their refrigerators for their useful life but not their solar PV systems?

A-8.

- 1-2. The Companies do not maintain the data in the manner requested. Customer account data and kWh values surrendered (total number of kilowatt-hour credits remaining in the accounts of NM customers who have closed their accounts) are available from March 2009 forward. See attachment being provided in Excel format. It should be noted that 64% of all net metering customers served by the Companies have been connected less than three years. Therefore, there is insufficient longitudinal data available to draw any conclusions regarding how long customer-generators will keep the solar or other generating facilities in place.
  
3. No, the Companies have made no such argument or assertion. Also, the programs to which the request refers are not part of the current DSM-EE Program Plan, which took effect on January 1, 2019.

But even assuming that all customer-generators kept their generators in place and well-functioning for the long-term, the *most* they should be compensated for energy delivered to the grid is the price of an equivalent product, e.g., 20-year level pricing for a solar PPA, adjusted for avoided transmission and distribution capacity costs and line losses, if any. As the Companies have noted, their recent solar PPA has a 20-year level price of \$0.02782/kWh with liquidated damages if the facility fails to meet guaranteed availability, and the Companies will receive all renewable energy certificates (“RECs”) from the facility’s production. Notably, no NMS-2 customers are being asked to make such guarantees, agree to liquidated damages provisions, or give the Companies the RECs from their generators’ production, so compensating NMS-2 customers at solar PPA rates with the adjustments noted above would likely overcompensate customer-generators relative to market prices.



The attachment is being provided in a separate file in Excel format.

**KENTUCKY UTILITIES COMPANY AND  
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**Case No. 2020-00349 / Case No. 2020-00350**

**Question No. 9**

**Responding Witness: David S. Sinclair**

Q-9. On p.25 of his Supplemental Testimony (p. 67 pdf), Mr. Seelye states: "Furthermore, considering that the Companies' system loads are projected to decrease over the next ten years, the Companies' existing transmission infrastructure should generally be adequate to serve future loads on the system."

1. Please provide all load forecasts and supporting data and documents to justify the statement that the Companies' system loads are projected to decrease over the next ten years.
2. Please provide all analysis the Company has performed, with supporting documents, to estimate the impact electric vehicles will have on the Companies' load over the next 25 years. Include all sensitivity analyses performed to assess the impact of varying levels of EV market penetration on the Companies' load.
3. One important component for transitioning to a zero-carbon economy is the electrification of most or all energy end-uses (such as transportation, space heating, water heating, industrial processes, etc.), coupled with the transition to 100 percent noncarbon-emitting electrical generation. Please provide all analysis the Company has performed, with supporting documents, to assess the impact wide-scale electrification may have on the Companies' load and capacity requirements over the next 25 years. Include all sensitivity analyses performed to assess the impact of varying rates of electrification on the Companies' load.

A-9.

1. The table below contains forecasted energy requirements per the 2021 BP. Energy requirements decrease slightly through 2030.

**Forecasted Total System Energy Requirements (2021 BP; GWh)**

Year	Energy Requirements
2021	31,546
2022	31,805
2023	31,773
2024	31,768
2025	31,632
2026	31,538
2027	31,430
2028	31,362
2029	31,201
2030	31,054

2. See Section 5.4 in Volume I of the 2018 IRP beginning on page 5-14 and continuing on page 5-30 through 5-32. Figure 5-18 shows 3 scenarios that were considered in the 2018 IRP. Additionally, Section 4 at page 12 of the November 2017 PPL Climate Assessment Report discusses the potential impact of EVs on electricity sales and demands (<https://www.pplweb.com/wp-content/uploads/2017/12/PPL-Corporation-Climate-Assessment-Report.pdf>). See the responses to PSC 7-21 and PSC 7-25.
3. This will be discussed in the Companies' 2021 IRP.

**KENTUCKY UTILITIES COMPANY AND  
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**Case No. 2020-00349 / Case No. 2020-00350**

**Question No. 10**

**Responding Witness: Elizabeth J. McFarland / David S. Sinclair / John K. Wolfe**

Q-10. Please provide the following information:

1. Load data (watt-hour and peak watt) at the distribution system level at minimum 1-hour increments (preferably 15-minute increments) and broken out by rate class, for each of the past five years.
2. Detailed transmission system capacity and usage information. Data describing each transmission line capacity, each load and generation asset connected to that line, and RTO/ISO interconnection points. Provide all reports and documentation pertaining to the condition of the transmission system.
3. A list of all current generation assets. For each plant include fuel type, nameplate capacity, construction date, planned end of operation date, outstanding debt, non-fuel variable costs, fuel costs, and hourly (or preferably 15 minute) capacity factor.
4. Demand forecasts for the overall system and each distribution system.
5. All data, analysis and documentation pertaining to the condition and capacity of the Companies' distribution infrastructure.

A-10.

1. See attachment being provided in Excel format. The Companies prepare historical load profiles only to support rate cases. The attached file contains load profiles for July 2015 through June 2016 and May 2017 through April 2018. See attachment to AG-KIUC 1-181b Att 3 for load profiles used in the 2020 case.
2. The transmission information being requested is Confidential Energy Infrastructure Information (CEII). Following execution of a confidentiality

agreement, LG&E and KU will provide a transmission planning model and the 2021 annual Transmission Expansion Plan that includes the requested information. The request to provide all reports and documentation pertaining to the condition of the transmission system is unduly vague and overly burdensome. However, the Transmission System Improvement Plan (“TSIP”) and subsequent annual updates as filed with the Commission will provide a condition assessment of the transmission system. Links to the Companies’ TSIP Annual Reports are below:

LG&E

2021: [https://psc.ky.gov/pscecf/2016-00371/rick.lovekamp@lge-ku.com/06012021112143/Closed/2-2021\\_TSIP\\_Annual\\_Report.pdf](https://psc.ky.gov/pscecf/2016-00371/rick.lovekamp@lge-ku.com/06012021112143/Closed/2-2021_TSIP_Annual_Report.pdf)

2020: [https://psc.ky.gov/pscecf/2016-00371/rick.lovekamp@lge-ku.com/06012020020132/Closed/2-2020\\_TSIP\\_Annual\\_Report.pdf](https://psc.ky.gov/pscecf/2016-00371/rick.lovekamp@lge-ku.com/06012020020132/Closed/2-2020_TSIP_Annual_Report.pdf)

2019: [https://psc.ky.gov/pscecf/2016-00371/derek.rahn@lge-ku.com/06042019014058/Closed/2\\_-\\_TSIP\\_Annual\\_Report\\_Final.pdf](https://psc.ky.gov/pscecf/2016-00371/derek.rahn@lge-ku.com/06042019014058/Closed/2_-_TSIP_Annual_Report_Final.pdf)

2018: [https://psc.ky.gov/pscecf/2016-00371/derek.rahn@lge-ku.com/06012018111656/Closed/2\\_-\\_TSIP\\_Annual\\_Report\\_Final.pdf](https://psc.ky.gov/pscecf/2016-00371/derek.rahn@lge-ku.com/06012018111656/Closed/2_-_TSIP_Annual_Report_Final.pdf)

KU

2021: [https://psc.ky.gov/pscecf/2016-00370/rick.lovekamp@lge-ku.com/06012021112026/Closed/2-2021\\_TSIP\\_Annual\\_Report.pdf](https://psc.ky.gov/pscecf/2016-00370/rick.lovekamp@lge-ku.com/06012021112026/Closed/2-2021_TSIP_Annual_Report.pdf)

2020: [https://psc.ky.gov/pscecf/2016-00370/rick.lovekamp@lge-ku.com/06012020015717/Closed/2-2020\\_TSIP\\_Annual\\_Report.pdf](https://psc.ky.gov/pscecf/2016-00370/rick.lovekamp@lge-ku.com/06012020015717/Closed/2-2020_TSIP_Annual_Report.pdf)

2019: [https://psc.ky.gov/pscecf/2016-00370/derek.rahn@lge-ku.com/06042019013736/Closed/2\\_-\\_TSIP\\_Annual\\_Report\\_Final.pdf](https://psc.ky.gov/pscecf/2016-00370/derek.rahn@lge-ku.com/06042019013736/Closed/2_-_TSIP_Annual_Report_Final.pdf)

2018: [https://psc.ky.gov/pscecf/2016-00370/derek.rahn@lge-ku.com/06012018110928/Closed/2\\_-\\_TSIP\\_Annual\\_Report\\_Final.pdf](https://psc.ky.gov/pscecf/2016-00370/derek.rahn@lge-ku.com/06012018110928/Closed/2_-_TSIP_Annual_Report_Final.pdf)

3. See the responses to AG 1-117, AG 1-126, and PSC 7-29 and the table below. Note that Paddy’s Run 11 was retired on March 31, 2021. The planning retirement assumptions shown in the table below for Mill Creek Units 1 and 2 and Brown Unit 3 reflect the assumptions and scenarios described in Section 1 on page 1 of Mr. Sinclair’s Supplemental Exhibit DSS-2. The Companies do not assign debt to specific assets.

<b>Plant</b>	<b>Unit</b>	<b>Operation Date</b>	<b>Planning Retirement Assumption</b>
Cane Run	7	2015	2055
Dix Dam	1-3	1925	2041
E.W. Brown	3	1971	2028 or 2035
E.W. Brown	5	2001	2041
E.W. Brown	6	1999	2039
E.W. Brown	7	1999	2039
E.W. Brown	8	1995	2035
E.W. Brown	9	1994	2034
E.W. Brown	10	1995	2035
E.W. Brown	11	1996	2036
Ghent	1	1974	2034
Ghent	2	1977	2034
Ghent	3	1981	2037
Ghent	4	1984	2037
Haefling	1-2	1970	2025
Mill Creek	1	1972	2024
Mill Creek	2	1974	2028 or 2034
Mill Creek	3	1978	2039
Mill Creek	4	1982	2039
Ohio Falls	1-8	1928	2045
Paddy's Run	12	1968	2025
Paddy's Run	13	2001	2041
Trimble County	1	1990	2045
Trimble County	2	2011	2066
Trimble County	5	2002	2042
Trimble County	6	2002	2042
Trimble County	7	2004	2042
Trimble County	8	2004	2044
Trimble County	9	2004	2044
Trimble County	10	2004	2044
Zorn	1	1969	2021

4. See table below, which shows forecasted peaks for the total company and each company individually for the next 10 years.

**Forecasted Demands (MW)**

<b>Year</b>	<b>Total System</b>	<b>KU (incl. ODP)</b>	<b>LG&amp;E</b>
2021	6,111	3,846	2,633
2022	6,139	3,888	2,719
2023	6,130	3,886	2,630
2024	6,123	3,891	2,623
2025	6,109	3,868	2,623
2026	6,095	3,857	2,627
2027	6,080	3,845	2,645
2028	6,058	3,848	2,617
2029	6,047	3,819	2,619
2030	6,033	3,804	2,613

5. This request is unduly vague and overly burdensome. New data about the condition and capacity of the distribution system becomes available moment by moment, making it impossible to provide *all* such data. That notwithstanding, the Companies respond as follows:
- See the responses to parts 1 and 4 above.
  - See Exhibit JKW-1 to the Direct Testimony of John K. Wolfe, which is the Companies' 2021-2025 Distribution Reliability and Resiliency Plan. This plan outlines the capital investments being made to distribution system specifically addressing the distribution infrastructure.
  - See the hourly loading of the Companies' distribution infrastructure for calendar years 2017-2019, which was provided in KU's response to PSC 5-18 and in LG&E's response to PSC 5-19.
  - See the attached non-coincidental forecast for the Companies through 2033.
  - See the attached KU 2021 Electric Distribution Utility Annual Reliability Report filed with the Commission
  - See the attached LG&E 2021 Electric Distribution Utility Annual Reliability Report filed with the Commission

The attachments are  
being provided in  
separate files in Excel  
format.



**KENTUCKY PUBLIC SERVICE COMMISSION****ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT****SECTION 1: CONTACT INFORMATION**

UTILITY NAME	KENTUCKY UTILITIES COMPANY
REPORT PREPARED BY	Steve Woodworth (Dir. System Ops & Planning)
E-MAIL ADDRESS OF PREPARER	<a href="mailto:steve.woodworth@lge-ku.com">steve.woodworth@lge-ku.com</a>
PHONE NUMBER OF PREPARER	(502) 627-3828

**SECTION 2: REPORTING YEAR**

CALENDAR YEAR OF REPORT	2020
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**SECTION 3: MAJOR EVENT DAYS (MED)**

$T_{MED}$	3.941
FIRST DATE USED TO DETERMINE $T_{MED}$	1/1/2015
LAST DATE USED TO DETERMINE $T_{MED}$	12/31/2019
NUMBER OF MED IN REPORTING YEAR	3

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

**SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS****System-wide Information**

TOTAL CUSTOMERS	<u>546,042</u>	TOTAL CIRCUITS	<u>1,113</u>
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**Excluding MED**

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>84.64</u>	SAIDI	<u>58.70</u>
SAIFI	<u>0.777</u>	SAIFI	<u>0.588</u>

**Including MED**

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>157.74</u>	SAIDI	<u>77.46</u>
SAIFI	<u>0.899</u>	SAIFI	<u>0.678</u>

Notes:

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

**SECTION 5: CIRCUIT REPORTING**

BEGIN ON NEXT PAGE

- 1.) **SUBSTATION NAME AND NUMBER** LEXINGTON PLANT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 745 N Limestone - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - N. Broadway - SW of Station
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 525
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/21/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 5.8%
- Trees- 0.0%
- Utility Equipment- 1.0%
- Vehicle- 93.2%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	50.55
10.) <b>2020 SAIDI</b>	168.59
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.67
12.) <b>2020 SAIFI</b>	1.85

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- |   |  |
|---|--|
| 1.) <b>SUBSTATION NAME AND NUMBER</b>             | LEXINGTON PLANT                            |
| 2.) <b>SUBSTATION LOCATION (COUNTY-ROAD-TOWN)</b> | Fayette - 745 N Limestone - Lexington      |
| 3.) <b>CIRCUIT NAME AND NUMBER</b>                | 0006                                       |
| 4.) <b>CIRCUIT LOCATION (COUNTY-ROAD-TOWN)</b>    | Lexington - N. Limestone St. SW of Station |
| 5.) <b>TOTAL CIRCUIT LENGTH (MILES)</b>           | 2.6  |
| 6.) <b>CUSTOMER COUNT FOR THIS CIRCUIT</b>        | 377  |
| 7.) <b>DATE OF LAST CIRCUIT TRIM (VM)</b>         | 05/05/2018                                 |

8.) **2020 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.3%

Trees- 0.1%

Utility Equipment- 0.3%

Vehicle- 99.3%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	117.86
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10.) <b>2020 SAIDI</b>	413.90
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11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.78
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12.) <b>2020 SAIFI</b>	1.09
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13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER**                                      LEXINGTON PLANT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**      Fayette - 745 N Limestone - Lexington
- 3.) **CIRCUIT NAME AND NUMBER**                                      0007
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)**              Lexington - N. Limestone St and York St. - NE amd SE of Station
- 5.) **TOTAL CIRCUIT LENGTH (MILES)**                                      6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT**                              1,206
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)**                                      05/05/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.9%
- Overload- 0.0%
- Planned Work- 4.5%
- Trees- 32.6%
- Utility Equipment- 1.7%
- Vehicle- 57.3%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	15.50
10.) <b>2020 SAIDI</b>	35.18
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.21
12.) <b>2020 SAIFI</b>	0.50

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RACE STREET 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 420 Corral St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0014
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Race St. and E Third St. and Chestnut Street - N of Station
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 919
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/08/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.7%
- Overload- 0.0%
- Planned Work- 32.6%
- Trees- 44.7%
- Utility Equipment- 7.0%
- Vehicle- 12.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.13
- 10.) **2020 SAIDI** 14.15
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.09
- 12.) **2020 SAIFI** 0.10
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	LEXINGTON WATER COMPANY 4KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 2300 Richmond Rd. - Lexington	
3.) CIRCUIT NAME AND NUMBER	0016	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Fontaine Rd - W of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	3.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	699	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/12/2020	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 39.2%	
	Non-Company- 0.0%	
	Other/Unknown- 0.0%	
	Overload- 0.0%	
	Planned Work- 60.8%	
	Trees- 0.0%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		31.10
10.) 2020 SAIDI		25.83
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.16
12.) 2020 SAIFI		0.17
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** SCOTT STREET
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 301 Scott St. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0018
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Limestone St. - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 780
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/20/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.1%
- Overload- 0.0%
- Planned Work- 80.1%
- Trees- 7.5%
- Utility Equipment- 4.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.32
- 10.) **2020 SAIDI** 8.70
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.17
- 12.) **2020 SAIFI** 0.29
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



1.) SUBSTATION NAME AND NUMBER	KUNKEL	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 2000 Versailles Rd. - Lexington	
3.) CIRCUIT NAME AND NUMBER	0019	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Versailles Rd. - NE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	2.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	173	
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/28/2020	
8.) 2020 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	60.3%
	Trees-	39.7%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		24.19
10.) 2020 SAIDI		12.99
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.22
12.) 2020 SAIFI		0.29
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Trees Trimmed in 2020	

- 1.) **SUBSTATION NAME AND NUMBER** HIGBY MILL 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 308 Waveland Museum Ln. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0023
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Nicholasville Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 56.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,708
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/27/2019
- 8.) **2020 OUTAGES BY CAUSE**

Animal- 3.1%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 7.1%

Other/Unknown- 19.2%

Overload- 0.0%

Planned Work- 17.6%

Trees- 21.0%

Utility Equipment- 31.9%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 91.50
- 10.) **2020 SAIDI** 78.91
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.98
- 12.) **2020 SAIFI** 1.90
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KUNKEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2000 Versailles Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0026
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Duntreath Dr. & Pine Mt. Rd. - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 570
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 5.8%
- Trees- 91.4%
- Utility Equipment- 2.8%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	74.92
10.) <b>2020 SAIDI</b>	229.45
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.34
12.) <b>2020 SAIFI</b>	1.11

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** RACE STREET 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 420 Corral St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0030
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Midland Ave. & Winchester Rd. - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 854
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/08/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 7.0%
- Trees- 0.0%
- Utility Equipment- 7.5%
- Vehicle- 85.4%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	45.90
10.) <b>2020 SAIDI</b>	48.54
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.73
12.) <b>2020 SAIFI</b>	0.96

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RACE STREET 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 420 Corral St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0031
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Corral St. & MLK Blvd. - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 502
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/08/2018

8.) **2020 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 1.8%

Overload- 84.4%

Planned Work- 13.8%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.99
- 10.) **2020 SAIDI** 19.58
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.30
- 12.) **2020 SAIFI** 0.17
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** G E LAMP WORKS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1809 Edision Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0032
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Edision Dr. - Rosemont Garden
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 279
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/09/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 9.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 82.0%
- Overload- 0.0%
- Planned Work- 5.8%
- Trees- 0.0%
- Utility Equipment- 2.8%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	11.37
10.) <b>2020 SAIDI</b>	16.39
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.17
12.) <b>2020 SAIFI</b>	0.23

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HUGHES LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 251 Hughes Ln. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0037
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Mir Station Rd. & US 27 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 138.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,098
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/25/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 1.3%
- Other/Unknown- 2.8%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 27.6%
- Utility Equipment- 2.8%
- Vehicle- 63.6%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	242.35
10.) <b>2020 SAIDI</b>	338.86
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.63
12.) <b>2020 SAIFI</b>	3.18

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** LEXINGTON WATER COMPANY 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2300 Richmond Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0039
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - St. Phillip Dr. & Richmond Rd. - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,044
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/04/2020
- 8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 1.0%
- Trees- 59.9%
- Utility Equipment- 38.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.09
- 10.) **2020 SAIDI** 82.09
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43
- 12.) **2020 SAIFI** 0.37
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020



- 1.) **SUBSTATION NAME AND NUMBER** REYNOLDS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 200 W. Reynold Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0040
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Reynolds Rd. - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,094
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/31/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.7%
- Construction- 0.0%
- Lightning- 10.4%
- Non-Company- 0.0%
- Other/Unknown- 6.9%
- Overload- 0.0%
- Planned Work- 2.1%
- Trees- 68.8%
- Utility Equipment- 9.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.27
- 10.) **2020 SAIDI** 14.10
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.07
- 12.) **2020 SAIFI** 0.12
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VILEY ROAD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 308 Alexandria Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0041
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Leestown Rd. & Adams Ln. - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 63.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,113
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/21/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 12.0%
- Overload- 0.0%
- Planned Work- 8.8%
- Trees- 16.4%
- Utility Equipment- 61.9%
- Vehicle- 0.7%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 99.41
- 10.) **2020 SAIDI** 146.01
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.88
- 12.) **2020 SAIFI** 0.52
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HALEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 5481 Winchester Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0046
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Winchester & Haley Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 45.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 389
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2015
- 8.) **2020 OUTAGES BY CAUSE**

Animal- 0.7%

Construction- 0.0%

Lightning- 5.5%

Non-Company- 0.0%

Other/Unknown- 40.4%

Overload- 0.0%

Planned Work- 2.2%

Trees- 48.0%

Utility Equipment- 3.2%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 182.06
- 10.) **2020 SAIDI** 137.82
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.24
- 12.) **2020 SAIFI** 2.05
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** ASHLAND AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 448 S Ashland Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0048
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Tates Creek Rd. - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 538
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 6.1%
- Other/Unknown- 6.1%
- Overload- 0.0%
- Planned Work- 17.2%
- Trees- 16.4%
- Utility Equipment- 1.5%
- Vehicle- 52.7%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	49.22
10.) <b>2020 SAIDI</b>	105.29
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.50
12.) <b>2020 SAIFI</b>	1.49

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AMERICAN AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 96 Burley Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0052
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Waller Ave. & St. Joseph Dr. - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 88
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/20/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 100.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	1.08
10.) <b>2020 SAIDI</b>	3.86
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.02
12.) <b>2020 SAIFI</b>	0.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HAEFLING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1555 Baunmann Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0055
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Fairman Rd & Leestown Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,271
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2016
- 8.) **2020 OUTAGES BY CAUSE**

Animal- 35.1%

Construction- 32.5%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 8.8%

Overload- 0.0%

Planned Work- 0.4%

Trees- 9.6%

Utility Equipment- 7.3%

Vehicle- 6.3%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.70
- 10.) **2020 SAIDI** 48.88
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46
- 12.) **2020 SAIFI** 0.49
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HAEFLING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1555 Baunmann Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0060
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Mercer Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 420
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/10/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 15.3%
- Overload- 0.0%
- Planned Work- 6.4%
- Trees- 0.1%
- Utility Equipment- 77.7%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	70.67
10.) <b>2020 SAIDI</b>	78.48
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.20
12.) <b>2020 SAIFI</b>	1.46

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PICADOME 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1620 Harrodsburg Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0062
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Mason Headley Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 291
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/11/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 83.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 6.8%
- Utility Equipment- 5.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.35
- 10.) **2020 SAIDI** 52.13
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.74
- 12.) **2020 SAIFI** 1.04
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** PROCTOR & GAMBLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 120 Zesta Pl - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0066
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Zesta Pl - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/19/2019

- 8.) **2020 OUTAGES BY CAUSE**
  - Animal- 0.0%
  - Construction- 0.0%
  - Lightning- 0.0%
  - Non-Company- 0.0%
  - Other/Unknown- 28.0%
  - Overload- 0.0%
  - Planned Work- 72.0%
  - Trees- 0.0%
  - Utility Equipment- 0.0%
  - Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 121.07

10.) **2020 SAIDI** 32.80

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.49

12.) **2020 SAIFI** 0.80

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	PROCTOR & GAMBLE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 120 Zesta Pl - Lexington	
3.) CIRCUIT NAME AND NUMBER	0068	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Delware Rd - SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	3.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	379	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/19/2019	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.1%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 13.3%	
	Overload- 0.0%	
	Planned Work- 1.7%	
	Trees- 79.4%	
	Utility Equipment- 5.4%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		42.83
10.) 2020 SAIDI		42.69
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.28
12.) 2020 SAIFI		0.35
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** WILSON DOWNING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 680 Wilson Downing Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0072
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Tates Creek Rd & Trent Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,369
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/16/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.0%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 5.4%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 87.0%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.80
- 10.) **2020 SAIDI** 39.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.44
- 12.) **2020 SAIFI** 0.29

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOUDON AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 811 E Loudon Ave - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0075
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Floyd Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,288
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/16/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 0.6%
- Utility Equipment- 96.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.77

10.) **2020 SAIDI**

263.46

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.26

12.) **2020 SAIFI**

1.17

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER**                         TRAFTON AVENUE 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**   Fayette - 141 Trafton St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER**                             0078
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)**        Lexington - Versailles Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)**                        5.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT**                 498
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)**                    01/22/2020

- 8.) **2020 OUTAGES BY CAUSE**
- Animal- 0.0%
  - Construction- 0.0%
  - Lightning- 0.0%
  - Non-Company- 0.0%
  - Other/Unknown- 12.1%
  - Overload- 0.0%
  - Planned Work- 16.4%
  - Trees- 2.0%
  - Utility Equipment- 0.7%
  - Vehicle- 68.9%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	9.70
10.) <b>2020 SAIDI</b>	<b>26.00</b>
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.08
12.) <b>2020 SAIFI</b>	<b>0.18</b>

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** PICADOME 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1620 Harrodsburg Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0080
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Lafayette Pky - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 852
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/28/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 1.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 3.0%
- Trees- 95.2%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 75.15
- 10.) **2020 SAIDI** 162.32
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.22
- 12.) **2020 SAIFI** 1.15
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER**                      TRAFTON AVENUE 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)**    Fayette - 141 Trafton St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER**    0088
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)**                      Lexington - Dunkirk Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)**    9.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT**    1,655
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)**    06/13/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 17.3%
- Overload- 0.0%
- Planned Work- 6.0%
- Trees- 36.4%
- Utility Equipment- 37.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	24.57
10.) <b>2020 SAIDI</b>	40.59
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.37
12.) <b>2020 SAIFI</b>	1.10

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020



- 1.) **SUBSTATION NAME AND NUMBER** HAEFLING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1555 Baunmann Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0089
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Baumann Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/10/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	143.66
10.) <b>2020 SAIDI</b>	558.23
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.40
12.) <b>2020 SAIFI</b>	0.67

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AMERICAN AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 96 Burley Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0090
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Stanley Ave. & Waller Ave. - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 220
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/20/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 2.1%
- Trees- 97.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	14.47
10.) <b>2020 SAIDI</b>	25.01
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.11
12.) <b>2020 SAIFI</b>	0.23

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LIBERTY ROAD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2125 Liberty Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0092
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - New Circule Rd. & Winchester Rd. - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,379
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/20/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.2%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 0.0%
- Utility Equipment- 83.7%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	35.19
10.) <b>2020 SAIDI</b>	111.93
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.58
12.) <b>2020 SAIFI</b>	1.63

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	STONEWALL	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 3060 Arrowhead Dr - Lexington	
3.) CIRCUIT NAME AND NUMBER	0096	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - New Circle Rd & Southview Dr - NE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	13.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,295	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/16/2017	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.4%	
	Construction- 0.2%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 13.2%	
	Overload- 0.0%	
	Planned Work- 2.8%	
	Trees- 83.1%	
	Utility Equipment- 0.2%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		133.50
10.) 2020 SAIDI		365.47
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.00
12.) 2020 SAIFI		2.42
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Tree Trim Scheduled for 2021	

- 1.) **SUBSTATION NAME AND NUMBER** STONEWALL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3060 Arrowhead Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0098
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Chelsea Dr & Clays Mill Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 476
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/31/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 9.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 72.2%
- Overload- 0.0%
- Planned Work- 6.3%
- Trees- 11.7%
- Utility Equipment- 0.4%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	61.21
10.) <b>2020 SAIDI</b>	119.69
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.87
12.) <b>2020 SAIFI</b>	1.35

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	JOYLAND	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 2375 Paris Pike - Lexington	
3.) CIRCUIT NAME AND NUMBER	0099	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - I-64 & I-75 - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	14.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,028	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/25/2020	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 10.1%	
	Construction- 30.1%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 0.4%	
	Overload- 0.0%	
	Planned Work- 1.7%	
	Trees- 54.5%	
	Utility Equipment- 3.2%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		143.91
10.) 2020 SAIDI		69.27
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.44
12.) 2020 SAIFI		1.71
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Trees Trimmed in 2020	

- 1.) **SUBSTATION NAME AND NUMBER** STONEWALL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3060 Arrowhead Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0108
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Tomahawk Tr & Harrodsburg Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 362
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/25/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 94.1%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	43.67
10.) <b>2020 SAIDI</b>	98.46
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.40
12.) <b>2020 SAIFI</b>	1.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- |  |  |       |
|--|--|-------|
| 1.) SUBSTATION NAME AND NUMBER                               | IBM  |       |
| 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)                   | Fayette - 740 W New Circle Rd - Lexington      |       |
| 3.) CIRCUIT NAME AND NUMBER                                  | 0110   |       |
| 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)                      | Lexington - Russell Cave Rd - NE of Substation |       |
| 5.) TOTAL CIRCUIT LENGTH (MILES)                             | 22.0   |       |
| 6.) CUSTOMER COUNT FOR THIS CIRCUIT                          | 2,033  |       |
| 7.) DATE OF LAST CIRCUIT TRIM (VM)                           | 12/23/2017                                     |       |
| 8.) 2020 OUTAGES BY CAUSE                                    |  |       |
|  | Animal- 6.1%                                   |       |
|  | Construction- 0.2%                             |       |
|  | Lightning- 0.0%                                |       |
|  | Non-Company- 78.1%                             |       |
|  | Other/Unknown- 0.3%                            |       |
|  | Overload- 0.0%                                 |       |
|  | Planned Work- 0.1%                             |       |
|  | Trees- 11.6%                                   |       |
|  | Utility Equipment- 3.7%                        |       |
|  | Vehicle- 0.0%                                  |       |
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)                           |  | 30.78 |
| 10.) 2020 SAIDI  |  | 26.82 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)                          |  | 0.67  |
| 12.) 2020 SAIFI  |  | 1.22  |
| 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN |  |       |
|  | Continue to Monitor                            |       |



- 1.) **SUBSTATION NAME AND NUMBER** ASHLAND AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 448 S Ashland Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0111
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Ashland Dr & Preston Ave. - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 973
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 31.2%
- Overload- 0.0%
- Planned Work- 12.3%
- Trees- 19.3%
- Utility Equipment- 7.7%
- Vehicle- 29.4%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	46.09
10.) <b>2020 SAIDI</b>	59.55
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.61
12.) <b>2020 SAIFI</b>	0.88

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VILEY ROAD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 308 Alexandria Rd. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0115
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Alexandria Rd & Leestown Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 22
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/09/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	6.53
10.) <b>2020 SAIDI</b>	31.58
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.03
12.) <b>2020 SAIFI</b>	0.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DONERAIL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 4601 Old Iron Works Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0117
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Lisle Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 471
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 99.2%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.0%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.15
- 10.) **2020 SAIDI** 107.94
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.31
- 12.) **2020 SAIFI** 1.08
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LANSDOWNE SWITCHING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3200 Montavesta Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0118
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - New Circle Rd. & Chinoe Rd. - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,089
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/27/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.9%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.7%
- Overload- 0.0%
- Planned Work- 5.9%
- Trees- 71.8%
- Utility Equipment- 6.4%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	51.76
10.) <b>2020 SAIDI</b>	95.46
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.62
12.) <b>2020 SAIFI</b>	1.21

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** FMC
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2641 Palumbo Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0120
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Palumbo Dr & Man O War Blvd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 274
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/23/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 98.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 1.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	21.46
10.) <b>2020 SAIDI</b>	60.90
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.22
12.) <b>2020 SAIFI</b>	0.51

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FMC
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2641 Palumbo Dr - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0123
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Palumbo Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 363
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/23/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 5.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 0.0%
- Utility Equipment- 92.7%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	18.93
10.) <b>2020 SAIDI</b>	71.75
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.07
12.) <b>2020 SAIFI</b>	0.20

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FMC
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** County - Road - Town
- 3.) **CIRCUIT NAME AND NUMBER** 0124
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Town - Road - General Area
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 69.34

10.) **2020 SAIDI**

346.70

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.20

12.) **2020 SAIFI**

1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HIGBY MILL 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 308 Waveland Museum Ln - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0128
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Wyndham Hills Dr - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 531
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/16/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 88.8%
- Utility Equipment- 11.2%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	10.98
10.) <b>2020 SAIDI</b>	48.30
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.51
12.) <b>2020 SAIFI</b>	2.50

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



1.) SUBSTATION NAME AND NUMBER	BELT LINE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 1090 W. New Circle Rd - Lexington	
3.) CIRCUIT NAME AND NUMBER	0129	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Georgetown Rd, Price Rd, & Main St - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	16.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,975	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/12/2017	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.5%	
	Construction- 0.0%	
	Lightning- 2.7%	
	Non-Company- 0.0%	
	Other/Unknown- 16.1%	
	Overload- 0.0%	
	Planned Work- 2.8%	
	Trees- 52.8%	
	Utility Equipment- 0.0%	
	Vehicle- 25.1%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		49.60
10.) 2020 SAIDI		42.86
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.40
12.) 2020 SAIFI		0.52
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Tree Trim Scheduled for 2021	

- 1.) **SUBSTATION NAME AND NUMBER** LEXINGTON WATER COMPANY 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 2300 Richmond Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0130
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd. - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 3,212
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/22/2020
- 8.) **2020 OUTAGES BY CAUSE**

Animal- 22.7%

Construction- 1.8%

Lightning- 0.4%

Non-Company- 0.0%

Other/Unknown- 18.6%

Overload- 0.0%

Planned Work- 20.6%

Trees- 5.3%

Utility Equipment- 30.6%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.87
- 10.) **2020 SAIDI** 46.90
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.31
- 12.) **2020 SAIFI** 0.41
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LAKESHORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3710 Richmond Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0132
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 59.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,109
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/19/2019
- 8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.2%
- Lightning- 49.1%
- Non-Company- 0.2%
- Other/Unknown- 20.6%
- Overload- 0.0%
- Planned Work- 3.6%
- Trees- 8.2%
- Utility Equipment- 17.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 149.60
- 10.) **2020 SAIDI** 52.87
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.12
- 12.) **2020 SAIFI** 1.30
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LAKESHORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3710 Richmond Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0133
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,326
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/03/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 7.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 92.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	17.91
10.) <b>2020 SAIDI</b>	73.85
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.14
12.) <b>2020 SAIFI</b>	0.53

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LAKESHORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3710 Richmond Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0134
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd & Yorkshire Blvd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,055
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/03/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 13.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 4.3%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 80.7%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	8.41
10.) <b>2020 SAIDI</b>	23.92
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.17
12.) <b>2020 SAIFI</b>	0.74

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RACE STREET 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 420 Corral St - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0139
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Midland Ave. , Mian St. & water St. - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 16
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	25.65
10.) <b>2020 SAIDI</b>	89.43
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.33
12.) <b>2020 SAIFI</b>	0.50

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** IBM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 740 W New Circle Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0140
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Newtown Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 944
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 3.4%
- Trees- 0.0%
- Utility Equipment- 62.3%
- Vehicle- 33.4%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	55.66
10.) <b>2020 SAIDI</b>	98.49
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.81
12.) <b>2020 SAIFI</b>	2.17

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	CLAYS MILL	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 4454 Clays Mill Rd - Lexington	
3.) CIRCUIT NAME AND NUMBER	0145	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Glenview Dr - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	30.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,907	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/03/2018	
8.) 2020 OUTAGES BY CAUSE		
	Animal-	0.6%
	Construction-	0.0%
	Lightning-	0.1%
	Non-Company-	0.0%
	Other/Unknown-	85.4%
	Overload-	0.0%
	Planned Work-	3.6%
	Trees-	7.4%
	Utility Equipment-	3.0%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		39.22
10.) 2020 SAIDI		22.61
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.35
12.) 2020 SAIFI		0.43
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	



- 1.) **SUBSTATION NAME AND NUMBER** CLAYS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 4454 Clays Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0146
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Clays Mill Rd & Man O War Blvd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 926
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/08/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 13.9%
- Construction- 0.0%
- Lightning- 10.4%
- Non-Company- 0.0%
- Other/Unknown- 5.6%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 43.0%
- Utility Equipment- 25.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 82.88
- 10.) **2020 SAIDI** 119.87
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.59
- 12.) **2020 SAIFI** 0.54
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** CLAYS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 4454 Clays Mill Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0148
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Weber Way - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,099
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/21/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 55.1%
- Construction- 0.0%
- Lightning- 3.1%
- Non-Company- 0.0%
- Other/Unknown- 17.5%
- Overload- 0.0%
- Planned Work- 6.3%
- Trees- 0.7%
- Utility Equipment- 17.3%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	24.87
10.) <b>2020 SAIDI</b>	43.60
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.26
12.) <b>2020 SAIFI</b>	0.62
13.) <b>LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN</b>	

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LAKESHORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3710 Richmond Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0152
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Richmond Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 8
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/01/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	21.65
10.) <b>2020 SAIDI</b>	49.75
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.10
12.) <b>2020 SAIFI</b>	0.25

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** PICADOME 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 1620 Harrodsburg Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0158
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - St Joseph Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 458
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/28/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 98.3%
- Utility Equipment- 1.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.09
- 10.) **2020 SAIDI** 26.51
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.12
- 12.) **2020 SAIFI** 0.07
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	VILEY ROAD	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 308 Alexandria Rd. - Lexington	
3.) CIRCUIT NAME AND NUMBER	0159	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Leestown Rd & Masterson Station - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	12.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,093	
7.) DATE OF LAST CIRCUIT TRIM (VM)	07/09/2016	
8.) 2020 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	92.5%
	Overload-	0.0%
	Planned Work-	0.3%
	Trees-	0.0%
	Utility Equipment-	7.1%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		29.64
10.) 2020 SAIDI		15.04
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.19
12.) 2020 SAIFI		0.20
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 494 S 4TH ST - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0162
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - 4th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,275
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/07/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 5.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 65.4%
- Other/Unknown- 0.0%
- Overload- 1.8%
- Planned Work- 22.6%
- Trees- 4.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	32.97
10.) <b>2020 SAIDI</b>	46.39
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.27
12.) <b>2020 SAIFI</b>	0.45

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 1353 Lebanon Rd - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 0167
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Lebanon Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 23
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/11/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 32.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 67.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	24.52
10.) <b>2020 SAIDI</b>	56.30
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.31
12.) <b>2020 SAIFI</b>	0.39

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



1.) SUBSTATION NAME AND NUMBER	EASTLAND
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 1159 Industry Rd - Lexington
3.) CIRCUIT NAME AND NUMBER	0182
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Eastland Pky - E of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	17.7
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,256
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/24/2019
8.) 2020 OUTAGES BY CAUSE	
	Animal- 0.3%
	Construction- 0.0%
	Lightning- 1.5%
	Non-Company- 0.0%
	Other/Unknown- 0.2%
	Overload- 0.0%
	Planned Work- 0.0%
	Trees- 97.8%
	Utility Equipment- 0.2%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	90.96
10.) 2020 SAIDI	261.53
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.71
12.) 2020 SAIFI	1.11
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	
	Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** ASHLAND AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 448 S Ashland Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0187
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - High St. - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 853
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.6%
- Other/Unknown- 22.6%
- Overload- 0.0%
- Planned Work- 13.1%
- Trees- 4.3%
- Utility Equipment- 6.4%
- Vehicle- 53.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	26.89
10.) <b>2020 SAIDI</b>	39.37
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.36
12.) <b>2020 SAIFI</b>	0.24

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	HUME ROAD	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 2319 Hume Rd. - Lexington	
3.) CIRCUIT NAME AND NUMBER	0193	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - I75, Man O' War Blvd, & Blackford Pkwy - SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	6.9	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	531	
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/17/2021	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 99.0%	
	Non-Company- 0.0%	
	Other/Unknown- 1.0%	
	Overload- 0.0%	
	Planned Work- 0.0%	
	Trees- 0.0%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		34.51
10.) 2020 SAIDI		8.63
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.89
12.) 2020 SAIFI		1.00
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

1.) SUBSTATION NAME AND NUMBER	HUME ROAD	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Fayette - 2319 Hume Rd. - Lexington	
3.) CIRCUIT NAME AND NUMBER	0194	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lexington - Winchester Rd, Sir Barton Way, Executive Dr, & Elkhorn Rd - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	8.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	314	
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/17/2021	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 16.7%	
	Other/Unknown- 2.1%	
	Overload- 0.0%	
	Planned Work- 0.2%	
	Trees- 55.9%	
	Utility Equipment- 0.9%	
	Vehicle- 24.2%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		93.89
10.) 2020 SAIDI		60.69
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.38
12.) 2020 SAIFI		1.08
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Trees Trimmed in 2021	

- 1.) **SUBSTATION NAME AND NUMBER** LAKESHORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3710 Richmond Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0195
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Hays Blvd & Chilesburg Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 939
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/19/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 10.5%
- Non-Company- 0.0%
- Other/Unknown- 14.5%
- Overload- 0.0%
- Planned Work- 14.9%
- Trees- 31.1%
- Utility Equipment- 28.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 0.55
- 10.) **2020 SAIDI** 1.47
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.01
- 12.) **2020 SAIFI** 0.01
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LONDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - Near corner of Foster Heights & Substation Rd - London
- 3.) **CIRCUIT NAME AND NUMBER** 0203
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - Locus St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 96
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019

8.) **2020 OUTAGES BY CAUSE**

Animal- 59.6%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 1.5%

Overload- 0.0%

Planned Work- 4.2%

Trees- 0.0%

Utility Equipment- 34.8%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.60
- 10.) **2020 SAIDI** 10.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.18
- 12.) **2020 SAIFI** 0.24
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LONDON 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - Near corner of Foster Heights & Substation Rd - London
- 3.) **CIRCUIT NAME AND NUMBER** 0205
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - S & N on McWhorter Rd
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 40.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,827
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.0%
- Lightning- 3.5%
- Non-Company- 0.0%
- Other/Unknown- 22.2%
- Overload- 0.0%
- Planned Work- 3.6%
- Trees- 54.1%
- Utility Equipment- 13.3%
- Vehicle- 1.4%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	94.61
10.) <b>2020 SAIDI</b>	226.12
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.60
12.) <b>2020 SAIFI</b>	4.64

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAMPBELLSVILLE 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Taylor - 620 Clem Haskins Blvd. - Campbellsville
- 3.) **CIRCUIT NAME AND NUMBER** 0208
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Campbellsville - Industrial Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 11
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 90.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 9.6%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	35.39
10.) <b>2020 SAIDI</b>	<b>167.89</b>
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.27
12.) <b>2020 SAIFI</b>	<b>1.18</b>

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** COLUMBIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Taylor - 114 Lindsey Wilson St - Columbia
- 3.) **CIRCUIT NAME AND NUMBER** 0209
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Columbia - KY HWY 3491 & KY 55 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 43.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 919
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/30/2019

8.) **2020 OUTAGES BY CAUSE**

Animal- 1.3%

Construction- 0.0%

Lightning- 1.5%

Non-Company- 0.0%

Other/Unknown- 92.4%

Overload- 0.0%

Planned Work- 0.8%

Trees- 2.9%

Utility Equipment- 1.2%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 74.12
- 10.) **2020 SAIDI** 52.75
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.87
- 12.) **2020 SAIFI** 1.14
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - 1136 South Laurel Rd - London
- 3.) **CIRCUIT NAME AND NUMBER** 0213
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** London - S Laurel Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 146
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/15/2019
- 8.) **2020 OUTAGES BY CAUSE**
  - Animal- 19.1%
  - Construction- 0.0%
  - Lightning- 0.0%
  - Non-Company- 0.0%
  - Other/Unknown- 9.0%
  - Overload- 0.0%
  - Planned Work- 11.1%
  - Trees- 11.6%
  - Utility Equipment- 8.0%
  - Vehicle- 41.3%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 182.69
- 10.) **2020 SAIDI** 127.56
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.58
- 12.) **2020 SAIFI** 1.95
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FARISTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Laurel - 57 Rocky Branch Rd - North Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0216
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** North Corbin - S Laurel Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 90
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/26/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.6%
- Overload- 0.0%
- Planned Work- 6.8%
- Trees- 90.7%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	46.38
10.) <b>2020 SAIDI</b>	158.15
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.34
12.) <b>2020 SAIFI</b>	1.17

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of I75 - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0226
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - Highway 25 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,283
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/22/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.9%
- Non-Company- 0.2%
- Other/Unknown- 8.1%
- Overload- 0.0%
- Planned Work- 0.8%
- Trees- 84.3%
- Utility Equipment- 2.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 113.73

10.) **2020 SAIDI** 116.31

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.77

12.) **2020 SAIFI** 0.65

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of I75 - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0227
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - Savoy Clear Creek Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 68
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2018
- 8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 3.5%
- Non-Company- 0.0%
- Other/Unknown- 4.5%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 91.4%
- Utility Equipment- 0.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 119.60
- 10.) **2020 SAIDI** 209.18
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68
- 12.) **2020 SAIFI** 0.65
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of Savoy Clear Creek Rd and Railroad Tracks East of I75 - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0230
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - Highway 92 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 653
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/29/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.9%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 53.9%
- Utility Equipment- 25.4%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	208.52
10.) <b>2020 SAIDI</b>	717.61
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.45
12.) <b>2020 SAIFI</b>	0.84

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WILLIAMSBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Whitley - Corner of 2nd and 3rd St - Williamsburg
- 3.) **CIRCUIT NAME AND NUMBER** 0235
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Williamsburg - 5th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 274
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.6%
- Overload- 0.0%
- Planned Work- 32.7%
- Trees- 58.6%
- Utility Equipment- 2.1%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	14.68
10.) <b>2020 SAIDI</b>	65.95
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.07
12.) <b>2020 SAIFI</b>	0.23

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	MANCHESTER
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Clay - 1195 HWY 687 (Town Branch Rd) - Manchester
3.) CIRCUIT NAME AND NUMBER	0250
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Manchester - Town Branch Rd - NE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	24.0
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,054
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/29/2020

## 8.) 2020 OUTAGES BY CAUSE

Animal-	0.1%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	20.2%
Other/Unknown-	1.3%
Overload-	0.0%
Planned Work-	5.6%
Trees-	68.7%
Utility Equipment-	4.1%
Vehicle-	0.0%

9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	234.97
10.) 2020 SAIDI	225.82
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.77
12.) 2020 SAIFI	2.83
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	

Trees Trimmed in 2020



- 1.) **SUBSTATION NAME AND NUMBER** CORBIN EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - Corner of State HWY 1232 and E Barbourville Rd - Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0275
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corbin - Barbourville Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 860
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/20/2015

8.) **2020 OUTAGES BY CAUSE**

Animal- 0.3%

Construction- 0.0%

Lightning- 1.0%

Non-Company- 0.0%

Other/Unknown- 2.5%

Overload- 0.0%

Planned Work- 0.3%

Trees- 95.4%

Utility Equipment- 0.6%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 172.25
- 10.) **2020 SAIDI** 134.70
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.10
- 12.) **2020 SAIFI** 1.23
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** CORBIN EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - Corner of State HWY 1232 and E Barbourville Rd - Corbin
- 3.) **CIRCUIT NAME AND NUMBER** 0279
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corbin - Pennington Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 391
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/28/2016

8.) **2020 OUTAGES BY CAUSE**

Animal- 0.2%

Construction- 0.0%

Lightning- 0.1%

Non-Company- 0.0%

Other/Unknown- 10.3%

Overload- 0.0%

Planned Work- 0.3%

Trees- 87.0%

Utility Equipment- 2.1%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.80
- 10.) **2020 SAIDI** 255.62
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43
- 12.) **2020 SAIFI** 1.29
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

1.) SUBSTATION NAME AND NUMBER	PINEVILLE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bell - Corner of E Park Ave and Maple St - Pineville	
3.) CIRCUIT NAME AND NUMBER	0301	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Pineville - US HWY 25E & KY HWY 66 - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	25.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,148	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/02/2017	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.7%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 15.2%	
	Overload- 0.0%	
	Planned Work- 1.2%	
	Trees- 64.0%	
	Utility Equipment- 18.9%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		140.28
10.) 2020 SAIDI		203.09
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.69
12.) 2020 SAIFI		1.66
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Tree Trim Scheduled for 2021	

- 1.) **SUBSTATION NAME AND NUMBER** CROCKETT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - On HWY 66 across the street from Chaz Coal Co - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0305
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - State HWY 66 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 11
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/22/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 81.8%
- Utility Equipment- 14.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	395.37
10.) <b>2020 SAIDI</b>	653.43
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.52
12.) <b>2020 SAIFI</b>	2.64

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MELDRUM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - HWY 25/Wilderness Rd S of HWY 2486 Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0308
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - US HWY 25E - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 49.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 831
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/24/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.3%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 98.0%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 547.57
- 10.) **2020 SAIDI** 607.04
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 3.37
- 12.) **2020 SAIFI** 2.80
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREASY CREEK 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - US HWY 25 at HWY 3085 - Pineville US HWY 25 AT HWY 3085 PINEVILLE
- 3.) **CIRCUIT NAME AND NUMBER** 0310
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - Mocking Bird - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 168
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/27/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 4.3%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 93.7%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	131.56
10.) <b>2020 SAIDI</b>	284.17
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.52
12.) <b>2020 SAIFI</b>	2.73

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** STINKING CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Knox - Croner of New US HWY 25 E and HWY 930 - Barbourville
- 3.) **CIRCUIT NAME AND NUMBER** 0313
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Barbourville - US HWY 25E - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 36.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 827
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/15/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.6%
- Other/Unknown- 8.1%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 88.8%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	180.47
10.) <b>2020 SAIDI</b>	263.57
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.77
12.) <b>2020 SAIFI</b>	2.49

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** MILL CREEK - KU
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - 5539 HWY 221 Kettle Island - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0315
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - Martha Lock Branch Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 342
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2017

8.) **2020 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.1%

Non-Company- 0.1%

Other/Unknown- 3.1%

Overload- 0.0%

Planned Work- 3.5%

Trees- 93.0%

Utility Equipment- 0.2%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 130.60
- 10.) **2020 SAIDI** 67.10
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.06
- 12.) **2020 SAIFI** 1.07
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021



- 1.) **SUBSTATION NAME AND NUMBER** MILL CREEK - KU
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - 5539 HWY 221 Kettle Island - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0316
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - State HWY 221 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 337
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/07/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.5%
- Overload- 0.0%
- Planned Work- 21.0%
- Trees- 67.6%
- Utility Equipment- 3.8%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	438.36
10.) <b>2020 SAIDI</b>	888.10
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	2.13
12.) <b>2020 SAIFI</b>	2.54

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** STRAIGHT CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - 3582 HWY 66 Arjay - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0317
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - State HWY 66 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 219
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/16/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 29.1%
- Other/Unknown- 17.1%
- Overload- 0.0%
- Planned Work- 6.3%
- Trees- 41.3%
- Utility Equipment- 6.2%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	31.91
10.) <b>2020 SAIDI</b>	48.70
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.39
12.) <b>2020 SAIFI</b>	0.42

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DEER BRANCH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - HWY 66 0.5 miles S of Buffalo Hollow Rd, 7.5 miles N of HWY 221 - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0319
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - State HWY 66 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 228
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 8.0%
- Trees- 70.9%
- Utility Equipment- 20.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 402.04
- 10.) **2020 SAIDI** 426.13
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.28
- 12.) **2020 SAIFI** 1.24

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** DEER BRANCH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Hwy 66 0.5 miles S of Buffalo Hollow Rd - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 0320
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - Hwy 66 & Buffalo Hollow Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 27
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/02/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 7.8%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 34.7%
- Trees- 57.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	100.16
10.) <b>2020 SAIDI</b>	174.32
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.65
12.) <b>2020 SAIFI</b>	1.33

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PUCKETT CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - 5627 E HWY 72 Pathfork - Alva
- 3.) **CIRCUIT NAME AND NUMBER** 0321
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Alva - E Highway 72 - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 62
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/02/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.1%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 94.5%
- Utility Equipment- 2.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	198.64
10.) <b>2020 SAIDI</b>	295.31
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.04
12.) <b>2020 SAIFI</b>	2.11

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PUCKETT CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - 5627 E HWY 72 Pathfork - Alva
- 3.) **CIRCUIT NAME AND NUMBER** 0322
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Alva - E Highway 72 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 295
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/02/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 8.4%
- Overload- 0.0%
- Planned Work- 70.6%
- Trees- 18.9%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	120.63
10.) <b>2020 SAIDI</b>	125.83
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.98
12.) <b>2020 SAIFI</b>	1.19

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WACO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 3761 New Irvine Rd - Madison East
- 3.) **CIRCUIT NAME AND NUMBER** 0330
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madison East - College Hill Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 184
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/10/2018

- 8.) **2020 OUTAGES BY CAUSE**
  - Animal- 0.0%
  - Construction- 0.0%
  - Lightning- 0.0%
  - Non-Company- 0.0%
  - Other/Unknown- 0.0%
  - Overload- 0.0%
  - Planned Work- 0.0%
  - Trees- 100.0%
  - Utility Equipment- 0.0%
  - Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 4.86
- 10.) **2020 SAIDI** 2.46
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.04

12.) **2020 SAIFI** 0.05

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** YELLOW ROCK NORTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lee Ky - 584 New Yellow Rock Rd - Beattyville
- 3.) **CIRCUIT NAME AND NUMBER** 0332
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beattyville - New Yellow Rock Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 57
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/12/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 99.8%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 320.94
- 10.) **2020 SAIDI** 313.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.62
- 12.) **2020 SAIFI** 2.02

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** BEAR TRACK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lee Ky - 584 New Yellow Rock Rd - Beattyville
- 3.) **CIRCUIT NAME AND NUMBER** 0333
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beattyville - New Yellow Rock Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 17
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 10.1%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 87.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	161.36
10.) <b>2020 SAIDI</b>	443.77
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.94
12.) <b>2020 SAIFI</b>	3.67

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** RICHMOND INDUSTRIAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 110 Mikron Way - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 0344
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - 1.51 miles S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/07/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.70

10.) **2020 SAIDI**

88.49

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.12

12.) **2020 SAIFI**

0.60

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 2 12KV #2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0356
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - S 38th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 556
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/02/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.7%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 83.1%
- Utility Equipment- 1.7%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	33.03
10.) <b>2020 SAIDI</b>	35.87
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.55
12.) <b>2020 SAIFI</b>	0.73

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 2 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Intersection of Cumberland Ace and S 38th St - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0360
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - State HWY 74 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 400
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/01/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 36.8%
- Overload- 0.0%
- Planned Work- 11.0%
- Trees- 51.5%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	240.02
10.) <b>2020 SAIDI</b>	386.42
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.12
12.) <b>2020 SAIFI</b>	1.23

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0364
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Nutwood Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 560
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/29/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 2.2%
- Non-Company- 0.0%
- Other/Unknown- 9.1%
- Overload- 0.0%
- Planned Work- 30.0%
- Trees- 55.3%
- Utility Equipment- 2.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.35

10.) **2020 SAIDI** 74.21

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.11

12.) **2020 SAIFI** 1.38

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0366
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Asbury Rd & N 12th St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 446
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/03/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.4%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 90.5%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	112.64
10.) <b>2020 SAIDI</b>	226.78
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.83
12.) <b>2020 SAIFI</b>	1.78

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0371
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - N 19th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 200
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 89.5%
- Trees- 0.0%
- Utility Equipment- 10.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 7.73
- 10.) **2020 SAIDI** 15.29
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08
- 12.) **2020 SAIFI** 0.16
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

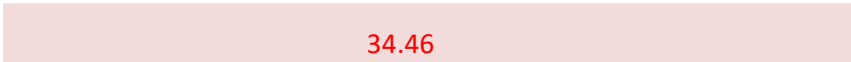
- 1.) **SUBSTATION NAME AND NUMBER** MIDDLESBORO 1 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Corner of N 19th and Ironwood Rd - Middlesborough
- 3.) **CIRCUIT NAME AND NUMBER** 0372
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Middlesborough - Lynnwood Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 402
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 7.1%
- Trees- 92.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.00

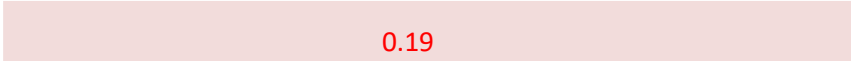
10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.18

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** DELAPLAIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 413 Triport Cir - Sadieville
- 3.) **CIRCUIT NAME AND NUMBER** 0403
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sadieville - 0.41 Miles N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2019
- 8.) **2020 OUTAGES BY CAUSE**
  - Animal- 0.0%
  - Construction- 0.0%
  - Lightning- 0.0%
  - Non-Company- 0.0%
  - Other/Unknown- 100.0%
  - Overload- 0.0%
  - Planned Work- 0.0%
  - Trees- 0.0%
  - Utility Equipment- 0.0%
  - Vehicle- 0.0%
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 106.31
- 10.) **2020 SAIDI** 31.55
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.80
- 12.) **2020 SAIFI** 1.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DAYHOIT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Dayhoit Dr (Keith Tremont Rd) - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 0414
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - US HWY 119 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 575
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/19/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 36.7%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 60.8%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 227.19
- 10.) **2020 SAIDI** 201.21
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.93
- 12.) **2020 SAIFI** 2.45

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DAYHOIT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Dayhoit Dr (Keith Tremont Rd) - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 0415
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - S US HWY 119 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 400
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/09/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 23.3%
- Overload- 0.0%
- Planned Work- 3.4%
- Trees- 72.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	262.71
10.) <b>2020 SAIDI</b>	366.28
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	2.15
12.) <b>2020 SAIFI</b>	2.49

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Off Slack Hollow Rd just N of S Old US HWY 421 - Cawood
- 3.) **CIRCUIT NAME AND NUMBER** 0418
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cawood - US HWY 421 Bypass - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 697
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2021

8.) **2020 OUTAGES BY CAUSE**

Animal- 1.8%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 68.1%

Overload- 0.0%

Planned Work- 3.2%

Trees- 20.2%

Utility Equipment- 6.8%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 181.06
- 10.) **2020 SAIDI** 118.73
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.53
- 12.) **2020 SAIFI** 1.57
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Off Slack Hollow Rd just N of S Old US HWY 421 - Cawood
- 3.) **CIRCUIT NAME AND NUMBER** 0419
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cawood - US HWY 421 Bypass - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 309
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/07/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.2%
- Overload- 0.0%
- Planned Work- 7.1%
- Trees- 75.6%
- Utility Equipment- 5.8%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	451.71
10.) <b>2020 SAIDI</b>	963.18
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	2.46
12.) <b>2020 SAIFI</b>	5.88

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2021



- |  |  |       |
|--|--|-------|
| 1.) SUBSTATION NAME AND NUMBER                               | NEWTOWN                                    |       |
| 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)                   | Scott Ky - 5849 Paris Pike - Georgetown    |       |
| 3.) CIRCUIT NAME AND NUMBER                                  | 0430                                       |       |
| 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)                      | Georgetown - US 460 Pike - E of Substation |       |
| 5.) TOTAL CIRCUIT LENGTH (MILES)                             | 68.2                                       |       |
| 6.) CUSTOMER COUNT FOR THIS CIRCUIT                          | 797  |       |
| 7.) DATE OF LAST CIRCUIT TRIM (VM)                           | 01/16/2021                                 |       |
| 8.) 2020 OUTAGES BY CAUSE                                    |  |       |
|  | Animal-                                    | 4.0%  |
|  | Construction-                              | 0.4%  |
|  | Lightning-                                 | 4.3%  |
|  | Non-Company-                               | 0.0%  |
|  | Other/Unknown-                             | 2.2%  |
|  | Overload-                                  | 0.0%  |
|  | Planned Work-                              | 3.9%  |
|  | Trees-                                     | 5.7%  |
|  | Utility Equipment-                         | 6.0%  |
|  | Vehicle-                                   | 73.4% |
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)                           |  | 25.46 |
| 10.) 2020 SAIDI  |  | 24.21 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)                          |  | 0.19  |
| 12.) 2020 SAIFI  |  | 0.22  |
| 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN |  |       |
|  | Continue to Monitor                        |       |





- 1.) **SUBSTATION NAME AND NUMBER** LEMONS MILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 125 Carley Ct - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0441
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - Lemons Mill Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,317
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/10/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 4.4%
- Non-Company- 0.0%
- Other/Unknown- 81.0%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 0.0%
- Utility Equipment- 12.4%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	89.72
10.) <b>2020 SAIDI</b>	164.09
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.69
12.) <b>2020 SAIFI</b>	1.07

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** POOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Webster - 211 S Route 56 - Poole
- 3.) **CIRCUIT NAME AND NUMBER** 0446
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Poole - US Hwy 41A - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 200
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/05/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 100.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	31.43
10.) <b>2020 SAIDI</b>	126.42
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.25
12.) <b>2020 SAIFI</b>	1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ROGERS GAP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 192 Harbor Village Dr - Stamping Ground
- 3.) **CIRCUIT NAME AND NUMBER** 0451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stamping Ground - Cincinnati Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 70.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,142
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/11/2020

8.) **2020 OUTAGES BY CAUSE**

Animal- 0.6%

Construction- 0.0%

Lightning- 1.7%

Non-Company- 0.2%

Other/Unknown- 37.2%

Overload- 0.0%

Planned Work- 0.8%

Trees- 1.0%

Utility Equipment- 54.4%

Vehicle- 4.1%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 371.91
- 10.) **2020 SAIDI** 155.69
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 3.49
- 12.) **2020 SAIFI** 3.57
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ADAMS 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott - 900 W Main St - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0453
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown Rd - Frankfort Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 42.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,550
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.1%
- Construction- 0.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 56.4%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 37.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	41.68
10.) <b>2020 SAIDI</b>	44.27
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.85
12.) <b>2020 SAIFI</b>	1.15

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CUMBERLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Russel Dr just S of E Main St - Cumberland
- 3.) **CIRCUIT NAME AND NUMBER** 0454
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cumberland - Raymond D Hatfield Blvd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 542
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.4%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 91.2%
- Utility Equipment- 5.2%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	147.75
10.) <b>2020 SAIDI</b>	404.96
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.88
12.) <b>2020 SAIFI</b>	1.28

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CUMBERLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Russel Dr just S of E Main St - Cumberland
- 3.) **CIRCUIT NAME AND NUMBER** 0455
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cumberland - N US HWY 119 - S & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 229
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 64.0%
- Utility Equipment- 0.1%
- Vehicle- 21.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.42
- 10.) **2020 SAIDI** 171.41
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36
- 12.) **2020 SAIFI** 1.37
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLOVERLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - HWY 179 1/4 miles W from intersection of HWY 2006 and HWY 179 - Cumberland
- 3.) **CIRCUIT NAME AND NUMBER** 0458
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cumberland - State Hwy 2006 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 147
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/15/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 9.5%
- Trees- 89.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 117.93
- 10.) **2020 SAIDI** 229.38
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.07
- 12.) **2020 SAIFI** 0.96
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** BLACK MOUNTAIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Black Mountain Rd - Lynch
- 3.) **CIRCUIT NAME AND NUMBER** 0467
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lynch - Radar Station Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 10
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/26/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 38.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 61.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 753.52
- 10.) **2020 SAIDI** 1102.00
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.49
- 12.) **2020 SAIFI** 4.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXFORD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Scott Ky - 1827 Oxford Dr - Georgetown
- 3.) **CIRCUIT NAME AND NUMBER** 0472
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Georgetown - Oxford Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,082
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/31/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 3.9%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 93.9%
- Utility Equipment- 1.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	26.22
10.) <b>2020 SAIDI</b>	34.68
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.36
12.) <b>2020 SAIFI</b>	0.44

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- |  |  |       |
|--|--|-------|
| 1.) SUBSTATION NAME AND NUMBER                               | SHADRACK                                 |       |
| 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)                   | Franklin - 74 Bethel Ln - Frankfort      |       |
| 3.) CIRCUIT NAME AND NUMBER                                  | 0475                                     |       |
| 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)                      | Frankfort - US HWY 127 - N of Substation |       |
| 5.) TOTAL CIRCUIT LENGTH (MILES)                             | 47.1                                     |       |
| 6.) CUSTOMER COUNT FOR THIS CIRCUIT                          | 568                                      |       |
| 7.) DATE OF LAST CIRCUIT TRIM (VM)                           | 03/09/2018                               |       |
| 8.) 2020 OUTAGES BY CAUSE                                    |  |       |
|  | Animal- 5.6%                             |       |
|  | Construction- 0.0%                       |       |
|  | Lightning- 0.0%                          |       |
|  | Non-Company- 0.0%                        |       |
|  | Other/Unknown- 11.0%                     |       |
|  | Overload- 0.0%                           |       |
|  | Planned Work- 21.2%                      |       |
|  | Trees- 57.9%                             |       |
|  | Utility Equipment- 0.9%                  |       |
|  | Vehicle- 3.4%                            |       |
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)                           |  | 72.13 |
| 10.) 2020 SAIDI  |  | 12.99 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)                          |  | 0.51  |
| 12.) 2020 SAIFI  |  | 0.62  |
| 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN |  |       |
|  | Continue to Monitor                      |       |

1.) SUBSTATION NAME AND NUMBER	HIGHSPLINT	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Harlan - KY 38 - Highsplint	
3.) CIRCUIT NAME AND NUMBER	0483	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Highsplint - Gano St - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	0.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1	
7.) DATE OF LAST CIRCUIT TRIM (VM)	Only0.05milesocircuit	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 100.0%	
	Overload- 0.0%	
	Planned Work- 0.0%	
	Trees- 0.0%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		105.82
10.) 2020 SAIDI		55.57
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.75
12.) 2020 SAIFI		1.00
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

1.)	<b>SUBSTATION NAME AND NUMBER</b>	ALEXANDER
2.)	<b>SUBSTATION LOCATION (COUNTY-ROAD-TOWN)</b>	Woodford - 2915 Troy Pike - Versailles
3.)	<b>CIRCUIT NAME AND NUMBER</b>	0501
4.)	<b>CIRCUIT LOCATION (COUNTY-ROAD-TOWN)</b>	Woodford South - Troy Pike - N of Substation
5.)	<b>TOTAL CIRCUIT LENGTH (MILES)</b>	55.8
6.)	<b>CUSTOMER COUNT FOR THIS CIRCUIT</b>	1,993
7.)	<b>DATE OF LAST CIRCUIT TRIM (VM)</b>	03/21/2020
8.)	<b>2020 OUTAGES BY CAUSE</b>	
		Animal- 1.0%
		Construction- 0.2%
		Lightning- 0.7%
		Non-Company- 0.0%
		Other/Unknown- 4.9%
		Overload- 0.0%
		Planned Work- 3.6%
		Trees- 56.6%
		Utility Equipment- 32.9%
		Vehicle- 0.0%
9.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	36.91
10.)	<b>2020 SAIDI</b>	49.55
11.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.27
12.)	<b>2020 SAIFI</b>	0.19
13.)	<b>LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN</b>	
		Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** VERSAILLES
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 150 Tanner Alley - Versailles
- 3.) **CIRCUIT NAME AND NUMBER** 0505
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Versailles - Main St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 546
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/10/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 44.9%
- Overload- 0.0%
- Planned Work- 25.8%
- Trees- 26.4%
- Utility Equipment- 2.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.77
- 10.) **2020 SAIDI** 50.68
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.45
- 12.) **2020 SAIFI** 0.42
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** VERSAILLES
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 150 Tanner Alley - Versailles
- 3.) **CIRCUIT NAME AND NUMBER** 0506
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Versailles - Main St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 501
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/10/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.5%
- Lightning- 0.0%
- Non-Company- 0.3%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 16.0%
- Utility Equipment- 81.8%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	73.46
10.) <b>2020 SAIDI</b>	182.05
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.62
12.) <b>2020 SAIFI</b>	1.14

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- |  |  |        |
|--|--|--------|
| 1.) SUBSTATION NAME AND NUMBER                               | VERSAILLES BYPASS                            |        |
| 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)                   | Woodford - 350 Markham Dr - Versailles       |        |
| 3.) CIRCUIT NAME AND NUMBER                                  | 0508   |        |
| 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)                      | Versailles - US 60 Bypass - SE of Substation |        |
| 5.) TOTAL CIRCUIT LENGTH (MILES)                             | 4.1  |        |
| 6.) CUSTOMER COUNT FOR THIS CIRCUIT                          | 339  |        |
| 7.) DATE OF LAST CIRCUIT TRIM (VM)                           | 06/10/2020                                   |        |
| 8.) 2020 OUTAGES BY CAUSE                                    |  |        |
|  | Animal- 24.1%                                |        |
|  | Construction- 0.0%                           |        |
|  | Lightning- 0.0%                              |        |
|  | Non-Company- 0.0%                            |        |
|  | Other/Unknown- 0.2%                          |        |
|  | Overload- 32.7%                              |        |
|  | Planned Work- 5.8%                           |        |
|  | Trees- 0.0%                                  |        |
|  | Utility Equipment- 37.2%                     |        |
|  | Vehicle- 0.0%                                |        |
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)                           |  | 134.54 |
| 10.) 2020 SAIDI  |  | 78.20  |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)                          |  | 1.15   |
| 12.) 2020 SAIFI  |  | 2.00   |
| 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN |  |        |
|  | Continue to Monitor                          |        |



- 1.) **SUBSTATION NAME AND NUMBER** VERSAILLES BYPASS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 350 Markham Dr - Versailles
- 3.) **CIRCUIT NAME AND NUMBER** 0511
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Versailles - 0.28 miles E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/20/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 71.8%
- Overload- 0.0%
- Planned Work- 28.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	17.37
10.) <b>2020 SAIDI</b>	<b>86.83</b>
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.10
12.) <b>2020 SAIFI</b>	<b>0.50</b>

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VERSAILLES WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 115 Rutter Rd - Versailles
- 3.) **CIRCUIT NAME AND NUMBER** 0513
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Versailles - Clifton Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 879
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/03/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.3%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 80.1%
- Utility Equipment- 10.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.31
- 10.) **2020 SAIDI** 56.25
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40
- 12.) **2020 SAIFI** 0.28
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** ALEXANDER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Woodford - 2915 Troy Pike - Versailles
- 3.) **CIRCUIT NAME AND NUMBER** 0515
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Versailles - N & S on McCowans Ferry Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 49.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,377
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/29/2015

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 27.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.9%
- Utility Equipment- 69.7%
- Vehicle- 0.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 90.35

10.) **2020 SAIDI** 128.76

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.13

12.) **2020 SAIFI** 1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WOODLAKE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Franklin - 1635 Woodlake Rd - Frankfort
- 3.) **CIRCUIT NAME AND NUMBER** 0525
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Frankfort - Woodlake Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** No Trimming Necessary

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	69.79
10.) <b>2020 SAIDI</b>	97.95
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.60
12.) <b>2020 SAIFI</b>	1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	SCIENCE HILL	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Pulaski - 45 E HWY 635 neat the intersection of E hWY 635 and Maple Ln - Science Hill	
3.) CIRCUIT NAME AND NUMBER	0527	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Science Hill - N Highway 27 - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	5.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	190	
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/19/2018	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 98.0%	
	Non-Company- 0.0%	
	Other/Unknown- 0.0%	
	Overload- 0.0%	
	Planned Work- 2.0%	
	Trees- 0.0%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		42.28
10.) 2020 SAIDI		34.23
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.64
12.) 2020 SAIFI		1.02
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** WAYNESBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lincoln - On Old Somerset Rd (HWY 1247) just S of Clear Fork Rd - Waynesburg
- 3.) **CIRCUIT NAME AND NUMBER** 0546
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Waynesburg - KY HWY 1247 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 263
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.3%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 97.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.50
- 10.) **2020 SAIDI** 17.49
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.10
- 12.) **2020 SAIFI** 0.14
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WAYNESBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lincoln - On Old Somerset Rd (HWY 1247) just S of Clear Fork Rd - Waynesburg
- 3.) **CIRCUIT NAME AND NUMBER** 0547
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Waynesburg - KY HWY 1247 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 361
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 36.2%
- Non-Company- 0.0%
- Other/Unknown- 8.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 32.2%
- Utility Equipment- 22.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	103.10
10.) <b>2020 SAIDI</b>	235.50
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.09
12.) <b>2020 SAIFI</b>	2.67

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** LIBERTY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Casey - 1351 E KY HWY 70 - Liberty
- 3.) **CIRCUIT NAME AND NUMBER** 0551
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Liberty - E KY 70 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 696
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/12/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.8%
- Construction- 0.0%
- Lightning- 1.4%
- Non-Company- 0.1%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 86.6%
- Utility Equipment- 6.5%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	80.68
10.) <b>2020 SAIDI</b>	257.05
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.50
12.) <b>2020 SAIFI</b>	1.27

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021



- 1.) **SUBSTATION NAME AND NUMBER** LIBERTY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Casey - 1351 E KY HWY 70 - Liberty
- 3.) **CIRCUIT NAME AND NUMBER** 0552
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Liberty - E KY 70 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 514
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/21/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 94.3%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 90.00

10.) **2020 SAIDI**

135.53

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.74

12.) **2020 SAIFI**

0.94

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** EDDYVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lyon - 1765 S R 3305 - Eddyville
- 3.) **CIRCUIT NAME AND NUMBER** 0560
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Eddyville - US HWY 62 & Riley Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 48.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 487
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/09/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 20.0%
- Non-Company- 0.0%
- Other/Unknown- 18.0%
- Overload- 0.0%
- Planned Work- 7.4%
- Trees- 31.0%
- Utility Equipment- 0.1%
- Vehicle- 21.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	59.49
10.) <b>2020 SAIDI</b>	95.58
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.65
12.) <b>2020 SAIFI</b>	0.88

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REVELO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McCreary - N of 4850 S HWY 1651 - Stearns-Whitley City
- 3.) **CIRCUIT NAME AND NUMBER** 0577
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Stearns-Whitley City - N & S on State HWY 1651
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 538
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/30/2015

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 3.0%
- Other/Unknown- 18.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 77.7%
- Utility Equipment- 0.1%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	103.95
10.) <b>2020 SAIDI</b>	178.06
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.85
12.) <b>2020 SAIFI</b>	1.29

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** WILMORE 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jessamine - 210 W Linden St - Wilmore
- 3.) **CIRCUIT NAME AND NUMBER** 0586
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Wilmore - Lexington Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 49.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,284
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/10/2021

8.) **2020 OUTAGES BY CAUSE**

Animal- 2.3%

Construction- 0.0%

Lightning- 0.5%

Non-Company- 0.0%

Other/Unknown- 15.2%

Overload- 0.0%

Planned Work- 0.9%

Trees- 14.9%

Utility Equipment- 66.3%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 89.06
- 10.) **2020 SAIDI** 107.76
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62
- 12.) **2020 SAIFI** 0.42
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MOUNT STERLING 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery 346 Calk Ave - Mount Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0601
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mount Sterling - 686 Bypass - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,354
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 9.7%
- Construction- 0.0%
- Lightning- 3.5%
- Non-Company- 0.0%
- Other/Unknown- 3.1%
- Overload- 0.0%
- Planned Work- 1.1%
- Trees- 19.2%
- Utility Equipment- 63.4%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	7.04
10.) <b>2020 SAIDI</b>	15.87
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.10
12.) <b>2020 SAIFI</b>	0.20

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MOUNT STERLING 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery 346 Calk Ave - Mount Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0602
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mount Sterling - Richmond Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 377
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 87.0%
- Trees- 0.0%
- Utility Equipment- 13.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	5.42
10.) <b>2020 SAIDI</b>	11.57
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.05
12.) <b>2020 SAIFI</b>	0.07

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAMARGO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 555 S Queen St - Mt Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0603
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mount Sterling - S Queen St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,295
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/29/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 1.9%
- Lightning- 4.5%
- Non-Company- 0.0%
- Other/Unknown- 2.5%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 16.0%
- Utility Equipment- 0.7%
- Vehicle- 71.5%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	22.77
10.) <b>2020 SAIDI</b>	63.39
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.37
12.) <b>2020 SAIFI</b>	1.20

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** A O SMITH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 1871 Owingsville Rd - Mt. Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0606
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mount Sterling - Owingsville Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 22
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/26/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 100.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	37.27
10.) <b>2020 SAIDI</b>	54.38
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.36
12.) <b>2020 SAIFI</b>	0.73

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** A O SMITH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 1871 Owingsville Rd - Mt. Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0608
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mount Sterling - 6 miles W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 211
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/26/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 9.2%
- Construction- 0.0%
- Lightning- 26.4%
- Non-Company- 0.0%
- Other/Unknown- 44.7%
- Overload- 0.0%
- Planned Work- 9.8%
- Trees- 0.0%
- Utility Equipment- 9.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	6.29
10.) <b>2020 SAIDI</b>	6.35
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.09
12.) <b>2020 SAIFI</b>	0.14

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OWINGSVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 69 W Paul Lewis Dr - Owingsville
- 3.) **CIRCUIT NAME AND NUMBER** 0610
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Owingsville - Slate Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 473
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/23/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 16.7%
- Construction- 0.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.0%
- Utility Equipment- 81.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.22

10.) **2020 SAIDI**

73.09

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.62

12.) **2020 SAIFI**

1.43

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OWINGSVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 69 W Paul Lewis Dr - Owingsville
- 3.) **CIRCUIT NAME AND NUMBER** 0611
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Owingsville - W Main St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 721
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/08/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.2%
- Construction- 0.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 65.6%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 0.0%
- Utility Equipment- 26.2%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	29.23
10.) <b>2020 SAIDI</b>	59.31
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.42
12.) <b>2020 SAIFI</b>	0.43

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SALT LICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bath - 11457 US HWY 60 E - Salt Lick
- 3.) **CIRCUIT NAME AND NUMBER** 0612
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Salt Lick - US HWY 60 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 704
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/19/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 2.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 10.9%
- Utility Equipment- 0.7%
- Vehicle- 85.3%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	89.40
10.) <b>2020 SAIDI</b>	341.54
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.51
12.) <b>2020 SAIFI</b>	1.37

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** FARMERS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rowan - 6901 US 60 W - Morehead
- 3.) **CIRCUIT NAME AND NUMBER** 0615
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morehead - US HWY 60 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 620
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/17/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 1.2%
- Lightning- 4.8%
- Non-Company- 0.7%
- Other/Unknown- 31.9%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 19.6%
- Utility Equipment- 37.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.15

10.) **2020 SAIDI**

67.91

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.28

12.) **2020 SAIFI**

0.82

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MOREHEAD 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rowan - 100 E Wilkinson Blvd - Morehead
- 3.) **CIRCUIT NAME AND NUMBER** 0618
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morehead - Wilkinson Blvd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 109
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/12/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 41.3%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 58.7%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.95

10.) **2020 SAIDI**

12.80

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.09

12.) **2020 SAIFI**

0.13

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** PARKER SEAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 390 Mt Sterling Rd - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0629
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Mt Sterling Rd - NE & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 403
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.5%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 22.9%
- Overload- 0.0%
- Planned Work- 16.4%
- Trees- 3.0%
- Utility Equipment- 6.5%
- Vehicle- 47.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.43

10.) **2020 SAIDI**

67.23

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.56

12.) **2020 SAIFI**

1.30

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WINCHESTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 2 Almond St - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0632
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - 1st St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 77
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/24/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 7.34
- 10.) **2020 SAIDI** 7.92
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.07
- 12.) **2020 SAIFI** 0.06
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WINCHESTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 2 Almond St - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0633
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Winn Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 190
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/18/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.1%
- Overload- 0.0%
- Planned Work- 44.3%
- Trees- 29.5%
- Utility Equipment- 6.4%
- Vehicle- 12.6%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	59.97
10.) <b>2020 SAIDI</b>	266.97
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.80
12.) <b>2020 SAIFI</b>	3.50

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor





- 1.) **SUBSTATION NAME AND NUMBER** BOONESBORO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 170 Settlers Ln. - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0643
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Boonesboro - Ford Rd and HWY 418 - N and S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 114
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/22/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.3%
- Overload- 0.0%
- Planned Work- 85.7%
- Trees- 4.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	50.95
10.) <b>2020 SAIDI</b>	78.15
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.43
12.) <b>2020 SAIFI</b>	0.81

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EWINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 4006 Old Owingsville Rd - Mt Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0646
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt. Sterling - Old Owingsville Rd, Arlington Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 608
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 5.2%
- Utility Equipment- 91.5%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	20.84
10.) <b>2020 SAIDI</b>	77.25
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.32
12.) <b>2020 SAIFI</b>	1.22

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EWINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 4006 Old Owingsville Rd - Mt Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0647
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt. Sterling - Owingsville Rd, Quisenberry Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 59
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/01/2018
- 8.) **2020 OUTAGES BY CAUSE**

Animal- 2.8%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 19.5%

Overload- 0.0%

Planned Work- 3.6%

Trees- 14.1%

Utility Equipment- 10.0%

Vehicle- 50.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.43
- 10.) **2020 SAIDI** 93.91
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66
- 12.) **2020 SAIFI** 0.75
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** CAMARGO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 555 S Queen St - Mt Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0658
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt Sterling - US 460 Hwy, By-Pass, Burley Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 337
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/22/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.7%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 2.1%
- Utility Equipment- 88.2%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	58.97
10.) <b>2020 SAIDI</b>	228.73
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.56
12.) <b>2020 SAIFI</b>	2.35

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CAMARGO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Montgomery - 555 S Queen St - Mt Sterling
- 3.) **CIRCUIT NAME AND NUMBER** 0659
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt Sterling - US Hwy 460 - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 47.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,011
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/17/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 86.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 7.9%
- Utility Equipment- 0.5%
- Vehicle- 4.2%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	135.54
10.) <b>2020 SAIDI</b>	194.61
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.61
12.) <b>2020 SAIFI</b>	3.17

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor





1.) SUBSTATION NAME AND NUMBER	BROMLEY	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Owen - 7205 Hwy 127 - New Liberty	
3.) CIRCUIT NAME AND NUMBER	0701	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Bromley - State Hwy 36, St Hwy 227, & Alexander Rd - W of Subst.	
5.) TOTAL CIRCUIT LENGTH (MILES)	75.7	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	950	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/08/2018	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.7%	
	Construction- 0.0%	
	Lightning- 0.1%	
	Non-Company- 1.1%	
	Other/Unknown- 20.0%	
	Overload- 0.0%	
	Planned Work- 1.4%	
	Trees- 64.8%	
	Utility Equipment- 11.9%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		190.88
10.) 2020 SAIDI		165.95
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.25
12.) 2020 SAIFI		1.27
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** CARROLLTON 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Carroll - 802 Mason St - Carrollton
- 3.) **CIRCUIT NAME AND NUMBER** 0705
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carrollton - 9th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 499
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 2.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 22.7%
- Planned Work- 19.6%
- Trees- 27.9%
- Utility Equipment- 27.5%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	8.14
10.) <b>2020 SAIDI</b>	10.62
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.09
12.) <b>2020 SAIFI</b>	0.13

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

1.) SUBSTATION NAME AND NUMBER	CARROLLTON 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Carroll - 802 Mason St - Carrollton	
3.) CIRCUIT NAME AND NUMBER	0707	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Carrollton - HWY 227 - SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	30.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	747	
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/19/2020	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.9%	
	Construction- 0.0%	
	Lightning- 2.4%	
	Non-Company- 0.0%	
	Other/Unknown- 9.0%	
	Overload- 0.0%	
	Planned Work- 14.7%	
	Trees- 52.7%	
	Utility Equipment- 14.1%	
	Vehicle- 6.2%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		162.49
10.) 2020 SAIDI		85.29
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.47
12.) 2020 SAIFI		1.97
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Trees Trimmed in 2020	

- 1.) **SUBSTATION NAME AND NUMBER** CARROLLTON 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Carroll - 802 Mason St - Carrollton
- 3.) **CIRCUIT NAME AND NUMBER** 0709
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carrollton - KY 36 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 22.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 387
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/16/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 80.1%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 10.2%
- Utility Equipment- 5.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 87.65
- 10.) **2020 SAIDI** 154.40
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.58
- 12.) **2020 SAIFI** 0.59
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



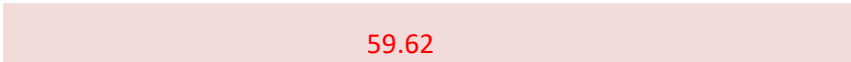
- 1.) **SUBSTATION NAME AND NUMBER** DAYTON-WALTHER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Carroll - 5220 Highway 42 E - Carrollton
- 3.) **CIRCUIT NAME AND NUMBER** 0710
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carrollton - D Rd & US HWY 42 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 48
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/05/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 100.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.68

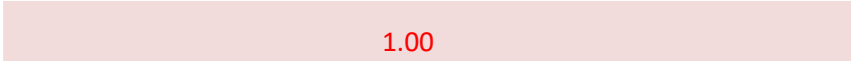
10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.52

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	OWENTON	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Owen - 327 Gayle Avenue - Owenton	
3.) CIRCUIT NAME AND NUMBER	0715	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Owenton - Madison St - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	1.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	169	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/10/2016	
8.) 2020 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	8.1%
	Overload-	0.0%
	Planned Work-	91.9%
	Trees-	0.0%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		5.85
10.) 2020 SAIDI		4.26
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.06
12.) 2020 SAIFI		0.11
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	



- 1.) **SUBSTATION NAME AND NUMBER** HUNTERS BOTTOM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Trimble - 400 Hunter Heights Rd - Milton
- 3.) **CIRCUIT NAME AND NUMBER** 0719
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Milton - N Spillman Lan, HWY 421 N - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 502
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/23/2020
- 8.) **2020 OUTAGES BY CAUSE**

Animal- 0.2%

Construction- 0.0%

Lightning- 26.1%

Non-Company- 0.0%

Other/Unknown- 9.4%

Overload- 0.0%

Planned Work- 0.3%

Trees- 63.0%

Utility Equipment- 1.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 123.67
- 10.) **2020 SAIDI** 149.42
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.18
- 12.) **2020 SAIFI** 1.11
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** SCHOLLS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Owen - 970 HWY 127 N - Owenton
- 3.) **CIRCUIT NAME AND NUMBER** 0724
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Owenton - HWY 127 N, State HWY 845 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 179
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/13/2016
- 8.) **2020 OUTAGES BY CAUSE**

Animal- 19.7%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 47.0%

Trees- 0.0%

Utility Equipment- 33.3%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.80
- 10.) **2020 SAIDI** 6.94
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08
- 12.) **2020 SAIFI** 0.08
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



1.) SUBSTATION NAME AND NUMBER	SPARTA	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Owen - RR 1 Box 136C - Sparta	
3.) CIRCUIT NAME AND NUMBER	0730	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Sparta - State HWY 467 - NE & SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	28.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	374	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/31/2018	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 1.1%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 0.5%	
	Overload- 0.0%	
	Planned Work- 3.6%	
	Trees- 82.7%	
	Utility Equipment- 10.9%	
	Vehicle- 1.2%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		108.80
10.) 2020 SAIDI		88.67
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.40
12.) 2020 SAIFI		0.49
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** SPARTA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Owen - RR 1 Box 136C - Sparta
- 3.) **CIRCUIT NAME AND NUMBER** 0731
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sparta - State HWY 467 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 107
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 61.1%
- Trees- 0.0%
- Utility Equipment- 38.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.65
- 10.) **2020 SAIDI** 6.74
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06
- 12.) **2020 SAIFI** 0.05
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



1.) SUBSTATION NAME AND NUMBER	WARSAW	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Gallatin - RR 1 Box 51 - Warsaw	
3.) CIRCUIT NAME AND NUMBER	0734	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Warsaw - Smith Ave, Center Ave, E Main St - NE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	3.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	443	
7.) DATE OF LAST CIRCUIT TRIM (VM)	01/16/2016	
8.) 2020 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	20.3%
	Trees-	0.0%
	Utility Equipment-	79.7%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		4.76
10.) 2020 SAIDI		4.71
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.03
12.) 2020 SAIFI		0.04
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** BOONE AVENUE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clark - 660 Boone Ave. - Winchester
- 3.) **CIRCUIT NAME AND NUMBER** 0769
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Winchester - Boone Ave, Harkins Ave, Skylark Dr- NW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,440
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/03/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.2%
- Construction- 0.0%
- Lightning- 3.3%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 13.4%
- Trees- 38.3%
- Utility Equipment- 37.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.14

10.) **2020 SAIDI**

37.48

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.24

12.) **2020 SAIFI**

0.37

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** MOREHEAD 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rowan - 100 E Wilkinson Blvd - Morehead
- 3.) **CIRCUIT NAME AND NUMBER** 0779
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morehead - Wilkinson Blvd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 468
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/27/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 26.3%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 15.9%
- Utility Equipment- 57.2%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	75.12
10.) <b>2020 SAIDI</b>	290.49
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.76
12.) <b>2020 SAIFI</b>	3.15

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



1.) SUBSTATION NAME AND NUMBER	CORPORATE DRIVE	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Clark - 4011 Corporate Dr - Winchester	
3.) CIRCUIT NAME AND NUMBER	0799	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Winchester - Corporate Dr & Fortune Dr - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	5.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	37	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/01/2017	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 0.0%	
	Overload- 0.0%	
	Planned Work- 95.3%	
	Trees- 0.0%	
	Utility Equipment- 4.7%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		3.17
10.) 2020 SAIDI		4.59
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.06
12.) 2020 SAIFI		0.05
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	



- 1.) **SUBSTATION NAME AND NUMBER** MILLERSBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bourbon - Vimont Ln. – Millersburg
- 3.) **CIRCUIT NAME AND NUMBER** 0807
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Millersburg - Vimont Ln, W 5th St - N & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 103
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/22/2015

8.) **2020 OUTAGES BY CAUSE**

- Animal- 58.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 26.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 15.1%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1.91
- 10.) **2020 SAIDI** 5.08
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.03
- 12.) **2020 SAIFI** 0.08
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** HANSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 235 Fowler Rd - Hanson
- 3.) **CIRCUIT NAME AND NUMBER** 0811
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hanson - US HWY 41 & City of Hanson - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 617
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/03/2019

8.) **2020 OUTAGES BY CAUSE**

Animal- 5.4%

Construction- 0.0%

Lightning- 39.4%

Non-Company- 0.0%

Other/Unknown- 8.7%

Overload- 0.0%

Planned Work- 32.7%

Trees- 0.9%

Utility Equipment- 12.9%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 147.34
- 10.) **2020 SAIDI** 19.55
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.98
- 12.) **2020 SAIFI** 1.17
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DOZIER HEIGHTS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 200 Claire Ln - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 0814
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Circuit no longer exists - N/A
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/30/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	35.29
10.) <b>2020 SAIDI</b>	132.47
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.40
12.) <b>2020 SAIFI</b>	1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	DOZIER HEIGHTS	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Hopkins - 200 Claire Ln - Madisonville	
3.) CIRCUIT NAME AND NUMBER	0816	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Madisonville - Sandcut Ln, Mcleod Ln, Grapvine Rd - N&E of Subs.	
5.) TOTAL CIRCUIT LENGTH (MILES)	21.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	804	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/07/2019	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 1.7%	
	Construction- 4.4%	
	Lightning- 0.8%	
	Non-Company- 0.0%	
	Other/Unknown- 14.7%	
	Overload- 0.0%	
	Planned Work- 4.8%	
	Trees- 71.8%	
	Utility Equipment- 1.8%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		43.46
10.) 2020 SAIDI		46.23
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.70
12.) 2020 SAIFI		0.62
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** NORTONVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 55 Holly Ln - Nortonville
- 3.) **CIRCUIT NAME AND NUMBER** 0818
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nortonville - Mockingbird St, US 41, & Wells Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 367
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.8%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 1.8%
- Other/Unknown- 66.2%
- Overload- 0.0%
- Planned Work- 17.2%
- Trees- 12.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.13
- 10.) **2020 SAIDI** 16.63
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2020 SAIFI** 0.29
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	EAST DIAMOND	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Hopkins - 550 East Diamond Rd - Madisonville	
3.) CIRCUIT NAME AND NUMBER	0825	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Madisonville - Randall Dr, Meadowlark Ln - W of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	9.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	302	
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/16/2019	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 13.9%	
	Non-Company- 4.4%	
	Other/Unknown- 9.5%	
	Overload- 0.0%	
	Planned Work- 71.0%	
	Trees- 0.0%	
	Utility Equipment- 1.2%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		9.46
10.) 2020 SAIDI		11.47
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.16
12.) 2020 SAIFI		0.13
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** EAST DIAMOND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 550 East Diamond Rd - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 0827
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Hwy 85, Hwy 892, & Hwy 1221 - NE & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 357
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 1.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 49.7%
- Overload- 12.2%
- Planned Work- 16.8%
- Trees- 19.6%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.99
- 10.) **2020 SAIDI** 59.21
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.82
- 12.) **2020 SAIFI** 0.80
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FIES CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 2436 Central City Rd - Madisonville
- 3.) **CIRCUIT NAME AND NUMBER** 0841
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Madisonville - Central City Rd & Fies Ln - NW & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 16
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	95.99
10.) <b>2020 SAIDI</b>	479.95
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.60
12.) <b>2020 SAIFI</b>	3.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBYBURG PUMP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 250 High Banks Ferry - Ashbyburg
- 3.) **CIRCUIT NAME AND NUMBER** 0844
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Ashbyburg - Highbanks Ferry Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 42.5%
- Other/Unknown- 57.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	35.83
10.) <b>2020 SAIDI</b>	179.17
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.40
12.) <b>2020 SAIFI</b>	2.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** KAWNEER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harrison - RR 7 Box 729 White Oak Pike - Cynthiana
- 3.) **CIRCUIT NAME AND NUMBER** 0856
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Cynthiana - Western Ave, Ladish Rd, Hwy 27 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 438
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2020
- 8.) **2020 OUTAGES BY CAUSE**

Animal- 0.8%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 97.7%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 0.6%

Trees- 0.0%

Utility Equipment- 0.9%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.22
- 10.) **2020 SAIDI** 43.17
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.64
- 12.) **2020 SAIFI** 1.02
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KAWNEER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harrison - RR 7 Box 729 White Oak Pike - Cynthiana
- 3.) **CIRCUIT NAME AND NUMBER** 0857
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrison - White Oak Pike - WNW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 100.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	4.63
10.) <b>2020 SAIDI</b>	23.17
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.08
12.) <b>2020 SAIFI</b>	0.40

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WEST HICKMAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 3172 Ashgrove Rd - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** 0865
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lexington - Saron Dr, Tates Creek Rd, Kenesaw Dr - NE of Subst
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,288
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/16/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.9%
- Construction- 0.1%
- Lightning- 2.7%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 65.2%
- Utility Equipment- 25.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	31.71
10.) <b>2020 SAIDI</b>	90.86
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.28
12.) <b>2020 SAIFI</b>	0.97

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.)	<b>SUBSTATION NAME AND NUMBER</b>	SHANNON RUN
2.)	<b>SUBSTATION LOCATION (COUNTY-ROAD-TOWN)</b>	Woodford - 2770 Shannon Run Rd - Versailles
3.)	<b>CIRCUIT NAME AND NUMBER</b>	0868
4.)	<b>CIRCUIT LOCATION (COUNTY-ROAD-TOWN)</b>	Versailles - Shannon Run, Lexington Rd, Pisgah Rd - N of Subst
5.)	<b>TOTAL CIRCUIT LENGTH (MILES)</b>	65.6
6.)	<b>CUSTOMER COUNT FOR THIS CIRCUIT</b>	1,111
7.)	<b>DATE OF LAST CIRCUIT TRIM (VM)</b>	04/10/2015
8.)	<b>2020 OUTAGES BY CAUSE</b>	
	Animal-	1.4%
	Construction-	0.0%
	Lightning-	6.7%
	Non-Company-	0.0%
	Other/Unknown-	10.5%
	Overload-	0.0%
	Planned Work-	2.8%
	Trees-	66.7%
	Utility Equipment-	11.9%
	Vehicle-	0.0%
9.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	135.64
10.)	<b>2020 SAIDI</b>	168.44
11.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.04
12.)	<b>2020 SAIFI</b>	0.96
13.)	<b>LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN</b>	
	Tree Trim Scheduled for 2021	

- 1.) **SUBSTATION NAME AND NUMBER** CARLISLE 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Nicholas - 104 S Elm St - Carlisle
- 3.) **CIRCUIT NAME AND NUMBER** 0877
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Carlisle/Sharpsburg - S Upper Jackstown, Hwy 1285, Hwy 11 - SSE of Subst
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 44.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 670
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 1.5%
- Non-Company- 0.0%
- Other/Unknown- 89.1%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.3%
- Utility Equipment- 7.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 71.85
- 10.) **2020 SAIDI** 106.71
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68
- 12.) **2020 SAIFI** 1.15
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 210 Cox Alley - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0900
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Maddox Aly, 4th St, Hwy 62 - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 169
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/07/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 2.20
- 10.) **2020 SAIDI** 8.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.03
- 12.) **2020 SAIFI** 0.11
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 210 Cox Alley - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0901
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Maddox Aly, 4th St, Plum St, Mulberry St- SE of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 381
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/07/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 2.3%
- Utility Equipment- 96.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.09
- 10.) **2020 SAIDI** 10.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.23
- 12.) **2020 SAIFI** 0.07
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 210 Cox Alley - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0902
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Washington St, E 6th, Edgemont Rd - SW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 163
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/07/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 98.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 122.55

10.) **2020 SAIDI**

541.32

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.67

12.) **2020 SAIFI**

2.69

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE WEST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 210 Cox Alley - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0903
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - W 2nd St, W Mcdonald Pkwy - NW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 353
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/07/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 99.7%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	30.58
10.) <b>2020 SAIDI</b>	76.22
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.45
12.) <b>2020 SAIFI</b>	0.57

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.)	<b>SUBSTATION NAME AND NUMBER</b>	MAYSVILLE MID
2.)	<b>SUBSTATION LOCATION (COUNTY-ROAD-TOWN)</b>	Mason - 314 Lexington St - Maysville
3.)	<b>CIRCUIT NAME AND NUMBER</b>	0909
4.)	<b>CIRCUIT LOCATION (COUNTY-ROAD-TOWN)</b>	Maysville - E 2nd St, Lexington St - NW & NE of Substation
5.)	<b>TOTAL CIRCUIT LENGTH (MILES)</b>	3.3
6.)	<b>CUSTOMER COUNT FOR THIS CIRCUIT</b>	488
7.)	<b>DATE OF LAST CIRCUIT TRIM (VM)</b>	10/12/2019
8.)	<b>2020 OUTAGES BY CAUSE</b>	
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	1.6%
	Overload-	0.0%
	Planned Work-	86.2%
	Trees-	6.9%
	Utility Equipment-	5.3%
	Vehicle-	0.0%
9.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	13.30
10.)	<b>2020 SAIDI</b>	43.82
11.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.31
12.)	<b>2020 SAIFI</b>	0.17
13.)	<b>LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN</b>	
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** MAYSVILLE EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 1107 Forest Ave - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0913
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Bryant In, Hwy 10, Buckner St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 832
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/12/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 58.6%
- Other/Unknown- 2.3%
- Overload- 0.0%
- Planned Work- 3.0%
- Trees- 29.0%
- Utility Equipment- 5.2%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	14.68
10.) <b>2020 SAIDI</b>	16.86
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.17
12.) <b>2020 SAIFI</b>	0.19

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 801 Kenton Station Rd - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0921
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - W Maple Leaf Rd, Jersey Ridge Rd - E&NE of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 887
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/15/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.4%
- Lightning- 2.9%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 2.0%
- Trees- 84.9%
- Utility Equipment- 9.1%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	61.31
10.) <b>2020 SAIDI</b>	85.23
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.70
12.) <b>2020 SAIFI</b>	0.71

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 801 Kenton Station Rd - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0922
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Parker Rd, Hwy 10, Martha Comer Dr - W of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 115
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.5%
- Overload- 0.0%
- Planned Work- 5.9%
- Trees- 0.0%
- Utility Equipment- 59.6%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	7.22
10.) <b>2020 SAIDI</b>	11.37
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.15
12.) <b>2020 SAIFI</b>	0.36

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 801 Kenton Station Rd - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0923
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Hwy 10, Market Square Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 361
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.9%
- Construction- 0.0%
- Lightning- 89.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 2.2%
- Trees- 0.6%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	14.59
10.) <b>2020 SAIDI</b>	46.68
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.33
12.) <b>2020 SAIFI</b>	1.21

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AUGUSTA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bracken - 318 E 4th St. - Augusta
- 3.) **CIRCUIT NAME AND NUMBER** 0929
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Augusta - 5th Street, Old August-Brooksville Rd - W&SW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 646
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/08/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.2%
- Lightning- 1.9%
- Non-Company- 0.3%
- Other/Unknown- 4.4%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 85.0%
- Utility Equipment- 7.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	85.41
10.) <b>2020 SAIDI</b>	210.71
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.95
12.) <b>2020 SAIFI</b>	1.91

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHARON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bracken - 3061 Asbury Rd - Augusta
- 3.) **CIRCUIT NAME AND NUMBER** 0935
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Augusta - Mt Zion Rd, City of Brooksville, Hwy 10&19 - NW&SW of Subst
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 77.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,186
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/19/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 2.8%
- Non-Company- 0.0%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 3.9%
- Utility Equipment- 91.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 41.61
- 10.) **2020 SAIDI** 56.91
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.47
- 12.) **2020 SAIFI** 0.26

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** SHARON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bracken - 3061 Asbury Rd - Augusta
- 3.) **CIRCUIT NAME AND NUMBER** 0937
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Augusta - Woodward Rd, Clarks Run Rd - S&SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 45.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 558
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/16/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 3.0%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 54.2%
- Utility Equipment- 42.5%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	70.61
10.) <b>2020 SAIDI</b>	195.54
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.82
12.) <b>2020 SAIFI</b>	1.85

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SARDIS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 4000 Blue Lick Rd - Mays Lick
- 3.) **CIRCUIT NAME AND NUMBER** 0940
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mays Lick/Mt Olivet - Hwy 62, Brierly Ridge Rd - W&NW of Subst.
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 465
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 1.8%
- Other/Unknown- 40.1%
- Overload- 0.0%
- Planned Work- 3.6%
- Trees- 54.1%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	165.51
10.) <b>2020 SAIDI</b>	242.75
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.73
12.) <b>2020 SAIFI</b>	3.15

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

1.) SUBSTATION NAME AND NUMBER	CARNTOWN	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Pendleton - 15125 Hwy 8 - Foster	
3.) CIRCUIT NAME AND NUMBER	0948	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Foster - Hwy 8 - S&SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	23.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	229	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/06/2018	
8.) 2020 OUTAGES BY CAUSE		
	Animal-	3.9%
	Construction-	0.0%
	Lightning-	1.1%
	Non-Company-	0.0%
	Other/Unknown-	2.1%
	Overload-	0.0%
	Planned Work-	3.1%
	Trees-	6.6%
	Utility Equipment-	83.2%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		88.18
10.) 2020 SAIDI		46.41
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.68
12.) 2020 SAIFI		0.69
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** BUTLER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pendleton - 11095 Hwy 27 N - Burnside Butler
- 3.) **CIRCUIT NAME AND NUMBER** 0950
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Butler - City of Butler, Flour Creek Rd, Hwy 10 - ESE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 58.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 929
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 4.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 76.8%
- Utility Equipment- 18.1%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	181.32
10.) <b>2020 SAIDI</b>	397.08
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.44
12.) <b>2020 SAIFI</b>	3.51

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** WEDONIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 6964 KY Hwy 11 - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0965
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Maysville - Hwy 11 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 382
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/07/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 4.6%
- Non-Company- 0.0%
- Other/Unknown- 18.4%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 1.1%
- Utility Equipment- 0.4%
- Vehicle- 73.5%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	148.27
10.) <b>2020 SAIDI</b>	248.72
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.15
12.) <b>2020 SAIFI</b>	3.20

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WEDONIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mason - 6964 KY Hwy 11 - Maysville
- 3.) **CIRCUIT NAME AND NUMBER** 0966
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Flemingsburg - Hwy 170, City of Ewing - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 523
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/17/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 96.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 1.3%
- Utility Equipment- 1.6%
- Vehicle- 0.1%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	279.51
10.) <b>2020 SAIDI</b>	447.40
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.01
12.) <b>2020 SAIFI</b>	1.03

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	WEDONIA	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Mason - 6964 KY Hwy 11 - Maysville	
3.) CIRCUIT NAME AND NUMBER	0967	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Flemingsbur - Hwy 11 - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	17.5	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	298	
7.) DATE OF LAST CIRCUIT TRIM (VM)	05/27/2016	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 4.7%	
	Construction- 0.0%	
	Lightning- 0.4%	
	Non-Company- 0.0%	
	Other/Unknown- 5.0%	
	Overload- 0.0%	
	Planned Work- 0.4%	
	Trees- 27.4%	
	Utility Equipment- 62.1%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		160.52
10.) 2020 SAIDI		152.62
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.71
12.) 2020 SAIFI		1.39
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** BARLOW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ballard - 433 Oscar Rd. - Barlow
- 3.) **CIRCUIT NAME AND NUMBER** 1312
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Barlow - N 6th St - City of Barlow
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 326
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 37.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 1.3%
- Utility Equipment- 59.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 92.96
- 10.) **2020 SAIDI** 44.83
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40

12.) **2020 SAIFI**

0.64

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** FORESTDALE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McCracken - 4250 Rice Springs Rd - Kevil
- 3.) **CIRCUIT NAME AND NUMBER** 1320
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Kevil - SR 1154, SR 996, & Cairo Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 41.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 926
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 1.5%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 86.7%
- Utility Equipment- 10.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 132.28

10.) **2020 SAIDI**

171.39

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.89

12.) **2020 SAIFI**

1.49

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** FORESTDALE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McCracken - 4250 Rice Springs Rd - Kevil
- 3.) **CIRCUIT NAME AND NUMBER** 1322
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Kevil - Clarkline Rd, Kevil Rd, Woodville Rd, & Hwy 473 - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 605
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/07/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.2%
- Lightning- 70.2%
- Non-Company- 0.0%
- Other/Unknown- 23.9%
- Overload- 0.0%
- Planned Work- 1.4%
- Trees- 0.0%
- Utility Equipment- 3.6%
- Vehicle- 0.1%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	79.23
10.) <b>2020 SAIDI</b>	239.33
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.53
12.) <b>2020 SAIFI</b>	1.65

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CHRISTIAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Webster - 1678 S R 493 - Wheatcroft
- 3.) **CIRCUIT NAME AND NUMBER** 1404
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Wheatcroft - City of Wheatcroft - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 198
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/21/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 88.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 11.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.65
- 10.) **2020 SAIDI** 5.19
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06

12.) **2020 SAIFI**

0.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DIAMOND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Webster - 830 Bill Dorris Rd - Providence
- 3.) **CIRCUIT NAME AND NUMBER** 1410
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Providence - Bill Dorris Rd, S R 109 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 122
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/29/2019
- 8.) **2020 OUTAGES BY CAUSE**

Animal- 6.0%

Construction- 0.0%

Lightning- 92.0%

Non-Company- 0.0%

Other/Unknown- 0.0%

Overload- 0.0%

Planned Work- 2.0%

Trees- 0.0%

Utility Equipment- 0.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 34.95
- 10.) **2020 SAIDI** 33.39
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.63
- 12.) **2020 SAIFI** 0.65
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CENTRAL CITY SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 500 E Second Ave - Central City
- 3.) **CIRCUIT NAME AND NUMBER** 1416
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Central City - Everly Brothers Blvd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** No Trimming Necessary

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	122.23
10.) <b>2020 SAIDI</b>	488.93
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.50
12.) <b>2020 SAIFI</b>	2.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CORYDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Henderson - 5430 Greenlick Rd - Corydon
- 3.) **CIRCUIT NAME AND NUMBER** 1429
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corydon - King Mill Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 46
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 71.3%
- Utility Equipment- 28.1%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	33.96
10.) <b>2020 SAIDI</b>	137.04
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.31
12.) <b>2020 SAIFI</b>	1.10

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** CORYDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Henderson - 5430 Greenlick Rd - Corydon
- 3.) **CIRCUIT NAME AND NUMBER** 1431
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Corydon - City of Corydon - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 435
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 17.8%
- Non-Company- 0.0%
- Other/Unknown- 16.9%
- Overload- 0.0%
- Planned Work- 3.9%
- Trees- 61.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	25.94
10.) <b>2020 SAIDI</b>	56.05
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.26
12.) <b>2020 SAIFI</b>	0.39

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020





- 1.) **SUBSTATION NAME AND NUMBER** MANITOU
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 7615 Nebo Rd - Nebo
- 3.) **CIRCUIT NAME AND NUMBER** 1451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Nebo - US 41 ALT & Happy Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 133
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 12.9%
- Trees- 1.0%
- Utility Equipment- 84.4%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	36.83
10.) <b>2020 SAIDI</b>	101.32
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.48
12.) <b>2020 SAIFI</b>	1.15

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** SEBREE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Webster - 199 N Railroad St - Sebree
- 3.) **CIRCUIT NAME AND NUMBER** 1472
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sebree - SR 56, College St, Jefferson St, & Old Beech Grove Rd - W/E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 429
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/25/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 5.5%
- Non-Company- 0.0%
- Other/Unknown- 61.8%
- Overload- 0.0%
- Planned Work- 30.2%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	5.77
10.) <b>2020 SAIDI</b>	9.49
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.10
12.) <b>2020 SAIFI</b>	0.28

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	KUTTAWA	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Lyon - 3487 Lake Barkley Dr - Kuttawa	
3.) CIRCUIT NAME AND NUMBER	1501	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Kuttawa - Hwy 295, Lake Shore Dr, & Holley St - SW & SE of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	11.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	412	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/03/2021	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.6%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 0.5%	
	Overload- 0.0%	
	Planned Work- 0.4%	
	Trees- 2.3%	
	Utility Equipment- 96.2%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		90.82
10.) 2020 SAIDI		80.16
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.77
12.) 2020 SAIFI		1.06
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

1.) SUBSTATION NAME AND NUMBER	FREDONIA	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Caldwell - 150 Wigginton Ln - Fredonia	
3.) CIRCUIT NAME AND NUMBER	1507	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Fredonia - City of Fredonia & Hwy 641 - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	11.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	249	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/10/2016	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.3%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 0.0%	
	Overload- 0.0%	
	Planned Work- 1.1%	
	Trees- 0.0%	
	Utility Equipment- 2.2%	
	Vehicle- 96.3%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		101.25
10.) 2020 SAIDI		60.67
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.93
12.) 2020 SAIFI		1.03
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** FREDONIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Caldwell - 150 Wigginton Ln - Fredonia
- 3.) **CIRCUIT NAME AND NUMBER** 1509
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Fredonia - Hwy 91, Princeton Fredonia Rd, & Marion Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 191
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/10/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.0%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 98.1%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	150.89
10.) <b>2020 SAIDI</b>	236.02
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.11
12.) <b>2020 SAIFI</b>	1.53

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

1.) SUBSTATION NAME AND NUMBER	BARNHILL	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Webster - 7390 Rabbit Ridge Rd - Providence	
3.) CIRCUIT NAME AND NUMBER	1520	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Providence - Hwy 109 - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	5.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	29	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/11/2017	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 5.6%	
	Overload- 0.0%	
	Planned Work- 94.4%	
	Trees- 0.0%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		175.26
10.) 2020 SAIDI		81.26
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.41
12.) 2020 SAIFI		1.03
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** DAWSON SPRINGS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hopkins - 205 Munn St - Dawson Springs
- 3.) **CIRCUIT NAME AND NUMBER** 1525
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Dawson Springs - N Trim St, Sycamore St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 156
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/11/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.0%
- Construction- 0.0%
- Lightning- 39.2%
- Non-Company- 0.0%
- Other/Unknown- 12.0%
- Overload- 0.0%
- Planned Work- 39.4%
- Trees- 0.0%
- Utility Equipment- 5.4%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	5.08
10.) <b>2020 SAIDI</b>	8.17
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.07
12.) <b>2020 SAIFI</b>	0.12

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- |  |   |      |
|--|---|------|
| 1.) SUBSTATION NAME AND NUMBER                               | CALHOUN   |      |
| 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)                   | McLean - 530 W First St - Calhoun                 |      |
| 3.) CIRCUIT NAME AND NUMBER                                  | 1606  |      |
| 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)                      | Calhoun - High St, W 7th St, S R 81 - N of Subst. |      |
| 5.) TOTAL CIRCUIT LENGTH (MILES)                             | 6.6   |      |
| 6.) CUSTOMER COUNT FOR THIS CIRCUIT                          | 327   |      |
| 7.) DATE OF LAST CIRCUIT TRIM (VM)                           | 10/06/2018  |      |
| 8.) 2020 OUTAGES BY CAUSE                                    |   |      |
|  | Animal- 12.1%                                     |      |
|  | Construction- 0.0%                                |      |
|  | Lightning- 0.0%                                   |      |
|  | Non-Company- 0.0%                                 |      |
|  | Other/Unknown- 6.1%                               |      |
|  | Overload- 0.0%                                    |      |
|  | Planned Work- 19.1%                               |      |
|  | Trees- 5.3%                                       |      |
|  | Utility Equipment- 48.8%                          |      |
|  | Vehicle- 8.7%                                     |      |
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)                           |   | 6.15 |
| 10.) 2020 SAIDI  |   | 5.19 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)                          |   | 0.05 |
| 12.) 2020 SAIFI  |   | 0.05 |
| 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN |   |      |
|  | Continue to Monitor                               |      |

1.) SUBSTATION NAME AND NUMBER	SHAVERS CHAPEL	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Muhlenberg - 7870 S R 181 N - Bremen	
3.) CIRCUIT NAME AND NUMBER	1609	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Bremen - S R 181, Buttermilk Rd, S R 175, & S R 81 - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	95.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1,656	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/03/2019	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 8.1%	
	Construction- 0.0%	
	Lightning- 6.3%	
	Non-Company- 0.0%	
	Other/Unknown- 4.4%	
	Overload- 0.0%	
	Planned Work- 0.5%	
	Trees- 1.3%	
	Utility Equipment- 62.8%	
	Vehicle- 16.7%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		60.79
10.) 2020 SAIDI		31.08
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.68
12.) 2020 SAIFI		1.49
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	



- 1.) **SUBSTATION NAME AND NUMBER** GREENVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 117 E Depot St - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1623
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - N Main St & Broad St - N & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 152
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/02/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 13.6%
- Other/Unknown- 29.1%
- Overload- 0.0%
- Planned Work- 52.4%
- Trees- 0.0%
- Utility Equipment- 4.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	52.95
10.) <b>2020 SAIDI</b>	107.45
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.72
12.) <b>2020 SAIFI</b>	1.21

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** POWDERLY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - Opportunity Way - Greenville
- 3.) **CIRCUIT NAME AND NUMBER** 1626
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greenville - Main St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 838
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2015

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 6.8%
- Trees- 35.5%
- Utility Equipment- 57.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.75

10.) **2020 SAIDI**

207.82

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.80

12.) **2020 SAIFI**

2.55

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** LIVERMORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McLean - 190 Main St - Livermore
- 3.) **CIRCUIT NAME AND NUMBER** 1642
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Livermore - Hill St, Hwy 431, & Comy Dock Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 350
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/22/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 53.3%
- Non-Company- 0.0%
- Other/Unknown- 44.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 1.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 88.86
- 10.) **2020 SAIDI** 184.18
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.76
- 12.) **2020 SAIFI** 2.02
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LIVERMORE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** McLean - 190 Main St - Livermore
- 3.) **CIRCUIT NAME AND NUMBER** 1643
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Livermore - Main St, 2nd St, 3rd St, & Broadway St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 420
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/22/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 53.5%
- Non-Company- 0.0%
- Other/Unknown- 44.9%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 0.6%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	177.21
10.) <b>2020 SAIDI</b>	186.51
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.88
12.) <b>2020 SAIFI</b>	2.12

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2021

1.) SUBSTATION NAME AND NUMBER	CENTRAL CITY	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Muhlenberg - 106 Pendleton St - Central City	
3.) CIRCUIT NAME AND NUMBER	1645	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Central City - Hwy 70, S Cherry Hill Rd - W of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	12.2	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	419	
7.) DATE OF LAST CIRCUIT TRIM (VM)	11/07/2020	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 1.0%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 0.0%	
	Overload- 0.0%	
	Planned Work- 0.6%	
	Trees- 90.0%	
	Utility Equipment- 8.4%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		113.75
10.) 2020 SAIDI		114.26
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.43
12.) 2020 SAIFI		1.21
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Reliability Improvements Scheduled for 2021	





- 1.) **SUBSTATION NAME AND NUMBER** BEECH CREEK 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 169 Beech Creek Browder Rd - Beech Creek
- 3.) **CIRCUIT NAME AND NUMBER** 1671
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beech Creek - Beech Creek Browder Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 104
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/21/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.6%
- Overload- 0.0%
- Planned Work- 94.7%
- Trees- 0.0%
- Utility Equipment- 2.7%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	72.20
10.) <b>2020 SAIDI</b>	127.46
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.51
12.) <b>2020 SAIFI</b>	1.17

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DRAKESBORO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 201 S Mine St - Drakesboro
- 3.) **CIRCUIT NAME AND NUMBER** 1673
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Drakesboro - Simmons St, S R 176, Merle Travis Hwy - SW of Subs
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 298
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/17/2018
- 8.) **2020 OUTAGES BY CAUSE**

Animal- 0.8%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 7.5%

Other/Unknown- 23.2%

Overload- 0.0%

Planned Work- 0.0%

Trees- 14.3%

Utility Equipment- 0.2%

Vehicle- 53.9%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 159.21
- 10.) **2020 SAIDI** 130.24
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.64
- 12.) **2020 SAIFI** 2.31
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREEN RIVER STEEL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Daviess - 4575 US 60 E - Owensboro
- 3.) **CIRCUIT NAME AND NUMBER** 1676
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Owensboro - Ellis Smeathers Rd & US 60 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 14
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/04/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 9.4%
- Trees- 0.0%
- Utility Equipment- 90.6%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	128.26
10.) <b>2020 SAIDI</b>	264.52
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.64
12.) <b>2020 SAIFI</b>	1.43

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** REED MINERALS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 4661 S R 176 Drakesboro - Drakesboro
- 3.) **CIRCUIT NAME AND NUMBER** 1693
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Drakesboro - S R 176 & P&M Haul Rd - NNE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 11
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 59.1%
- Construction- 0.0%
- Lightning- 33.2%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 7.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	140.22
10.) <b>2020 SAIDI</b>	411.16
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.02
12.) <b>2020 SAIFI</b>	2.73

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MEXICO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Crittenden - 2747 S R 70 - Crayne
- 3.) **CIRCUIT NAME AND NUMBER** 1708
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crayne - S R 70 & Ken Spar - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 118
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/09/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 58.9%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 41.1%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	1.84
10.) <b>2020 SAIDI</b>	2.68
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.02
12.) <b>2020 SAIFI</b>	0.05

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor









1.) SUBSTATION NAME AND NUMBER	MARION	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Crittenden - 106 Sparmill Rd - Marion	
3.) CIRCUIT NAME AND NUMBER	1715	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Marion - Gum St, Mill Rd, Sturgis Rd/Main St - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	9.4	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	301	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/08/2016	
8.) 2020 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	4.6%
	Overload-	0.0%
	Planned Work-	90.0%
	Trees-	0.0%
	Utility Equipment-	5.4%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		4.20
10.) 2020 SAIDI		3.74
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.06
12.) 2020 SAIFI		0.07
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** STURGIS 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 1402 N Washington St - Sturgis
- 3.) **CIRCUIT NAME AND NUMBER** 1728
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sturgis - Hwy 60, King St, Hwy 270, & Hwy 143 - S & N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 46.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 980
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/15/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 7.2%
- Construction- 0.0%
- Lightning- 20.9%
- Non-Company- 0.0%
- Other/Unknown- 7.4%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 3.5%
- Utility Equipment- 16.3%
- Vehicle- 42.9%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	28.82
10.) <b>2020 SAIDI</b>	30.21
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.24
12.) <b>2020 SAIFI</b>	0.31

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SUNOCO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 2823 S R 130 S - Morganfield
- 3.) **CIRCUIT NAME AND NUMBER** 1731
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - S R 130 & Adamson Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 182
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 74.1%
- Construction- 0.0%
- Lightning- 25.3%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	21.44
10.) <b>2020 SAIDI</b>	54.85
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.34
12.) <b>2020 SAIFI</b>	1.08

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SUNOCO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 2823 S R 130 S - Morganfield
- 3.) **CIRCUIT NAME AND NUMBER** 1732
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - S R 130 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 31
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 18.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 81.4%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.73
- 10.) **2020 SAIDI** 139.81
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46
- 12.) **2020 SAIFI** 1.38
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SUNOCO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 2823 S R 130 S - Morganfield
- 3.) **CIRCUIT NAME AND NUMBER** 1733
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - Robinson Rd & US HWY 60 - SSE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 36
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 99.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.18
- 10.) **2020 SAIDI** 246.27
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.28
- 12.) **2020 SAIFI** 1.03
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020







- 1.) **SUBSTATION NAME AND NUMBER** MORGANFIELD INDUSTRIAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 3324 U S HWY 60 E - Morganfield
- 3.) **CIRCUIT NAME AND NUMBER** 1761
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganfield - Hwy 60 E - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 39
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 10.9%
- Non-Company- 0.0%
- Other/Unknown- 89.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	12.72
10.) <b>2020 SAIDI</b>	38.38
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.26
12.) <b>2020 SAIFI</b>	0.82

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MORGANFIELD INDUSTRIAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 3324 U S HWY 60 E - Morganfield
- 3.) **CIRCUIT NAME AND NUMBER** 1763
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Morganielfd - Buchanan Rd - E & W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 25
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	50.18
10.) <b>2020 SAIDI</b>	105.90
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.40
12.) <b>2020 SAIFI</b>	1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WAVERLY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Union - 178 Blessed Martin Rd - Waverly
- 3.) **CIRCUIT NAME AND NUMBER** 1765
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Waverly - Blessed Martin Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	13.52
10.) <b>2020 SAIDI</b>	67.62
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.20
12.) <b>2020 SAIFI</b>	1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANNINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Christian - 2535 Mannington Loop - Mannington
- 3.) **CIRCUIT NAME AND NUMBER** 1801
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mannington - HWY 407 & US 41- E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 27
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/14/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	50.11
10.) <b>2020 SAIDI</b>	73.83
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.73
12.) <b>2020 SAIFI</b>	1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARTFORD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ohio - 425 Walnut St - Hartford
- 3.) **CIRCUIT NAME AND NUMBER** 1911
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hartford - US HWY 231, Old Main St, HWY 1543- E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 396
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2017
- 8.) **2020 OUTAGES BY CAUSE**

- Animal- 65.8%
- Construction- 0.0%
- Lightning- 11.1%
- Non-Company- 0.0%
- Other/Unknown- 6.1%
- Overload- 0.0%
- Planned Work- 4.1%
- Trees- 3.0%
- Utility Equipment- 10.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.75
- 10.) **2020 SAIDI** 10.35
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.16
- 12.) **2020 SAIFI** 0.22
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BEAVER DAM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Ohio - 310 Ridgecrest Dr. - Beaver Dam
- 3.) **CIRCUIT NAME AND NUMBER** 1914
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beaver Dam - Ridge Crest Rd & US Hwy 62 - City of Beaver Dam
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 528
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/25/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 11.7%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 1.7%
- Trees- 0.4%
- Utility Equipment- 1.8%
- Vehicle- 83.4%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	39.98
10.) <b>2020 SAIDI</b>	109.72
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.40
12.) <b>2020 SAIFI</b>	1.21

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ATOKA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 20 Parksville Cross Pike - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2101
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Perryville - City of Perryville & Perryville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 585
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 34.1%
- Non-Company- 0.0%
- Other/Unknown- 3.0%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 57.3%
- Utility Equipment- 3.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	35.81
10.) <b>2020 SAIDI</b>	68.66
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.35
12.) <b>2020 SAIFI</b>	0.57

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** ATOKA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 20 Parksville Cross Pike - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2102
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville – Parksville Cross Pike & Lebanon Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 207
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2020

8.) **2020 OUTAGES BY CAUSE**

Animal- 4.3%

Construction- 0.0%

Lightning- 0.7%

Non-Company- 0.0%

Other/Unknown- 50.3%

Overload- 0.0%

Planned Work- 21.0%

Trees- 22.2%

Utility Equipment- 1.5%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.24
- 10.) **2020 SAIDI** 34.05
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20
- 12.) **2020 SAIFI** 0.21
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** BUENA VISTA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 164 High Bridge Rd. - Lancaster
- 3.) **CIRCUIT NAME AND NUMBER** 2104
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lancaster - High Bridge Rd, Pine Crest Rd, & Camp Dix Rd - NW & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 35.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 613
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/04/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.2%
- Lightning- 12.6%
- Non-Company- 0.0%
- Other/Unknown- 66.1%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 18.1%
- Utility Equipment- 0.0%
- Vehicle- 0.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.70

10.) **2020 SAIDI**

76.92

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.71

12.) **2020 SAIFI**

1.24

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BUENA VISTA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 164 High Bridge Rd. - Lancaster
- 3.) **CIRCUIT NAME AND NUMBER** 2106
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lancaster - Kennedy Bridge Rd, Ashley Camp Rd, & Chminey Rock Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 30.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,082
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/03/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.2%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 8.0%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 13.4%
- Trees- 75.6%
- Utility Equipment- 0.0%
- Vehicle- 0.4%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	50.04
10.) <b>2020 SAIDI</b>	60.17
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.50
12.) <b>2020 SAIFI</b>	0.67

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021



- 1.) **SUBSTATION NAME AND NUMBER** DANVILLE E 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 805 East Dr - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2112
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Stanford Dr, Terrell Dr, & S 2nd St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 168
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/20/2016
- 8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.8%
- Overload- 0.0%
- Planned Work- 81.3%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.21
- 10.) **2020 SAIDI** 16.19
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14
- 12.) **2020 SAIFI** 0.17
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 231 N Chiles St - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2126
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - W Broadway St, Chiles St, & Hill St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 480
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/13/2016
- 8.) **2020 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 0.0%

Non-Company- 0.0%

Other/Unknown- 51.6%

Overload- 0.0%

Planned Work- 35.0%

Trees- 1.6%

Utility Equipment- 11.7%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.56
- 10.) **2020 SAIDI** 5.41
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.11
- 12.) **2020 SAIFI** 0.11
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 231 N Chiles St - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2127
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Factory St, N Main St, & Greenville St - N/E/S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 308
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/13/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	1.95
10.) <b>2020 SAIDI</b>	3.67
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.02
12.) <b>2020 SAIFI</b>	0.04

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG 2 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 709 E Office St - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2128
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - E Office St & Beaumont Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 437
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/30/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 44.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 29.4%
- Trees- 20.7%
- Utility Equipment- 6.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	7.57
10.) <b>2020 SAIDI</b>	22.03
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.08
12.) <b>2020 SAIFI</b>	0.27

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG 2 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 709 E Office St - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2129
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Cane Run St, N East St, & Cogar Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 413
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/30/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 1.3%
- Planned Work- 93.3%
- Trees- 4.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	21.10
10.) <b>2020 SAIDI</b>	98.72
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.23
12.) <b>2020 SAIFI</b>	1.08

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG 2 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 709 E Office St - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2131
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Lexington Rd, Burgin Rd, & City of Burgin - NE/SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 42.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 816
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/13/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 6.1%
- Non-Company- 0.1%
- Other/Unknown- 8.6%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 80.3%
- Utility Equipment- 0.3%
- Vehicle- 3.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	49.54
10.) <b>2020 SAIDI</b>	93.94
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.69
12.) <b>2020 SAIFI</b>	1.91

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** HARRODSBURG 3
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 1020 N College St - Harrodsburg
- 3.) **CIRCUIT NAME AND NUMBER** 2132
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harrodsburg - Louisville Rd, Virginia Ave, & Sleepy Hollow Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 708
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 88.5%
- Overload- 0.0%
- Planned Work- 2.6%
- Trees- 6.8%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.55
- 10.) **2020 SAIDI** 100.77
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41
- 12.) **2020 SAIFI** 1.07
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** KENTUCKY STATE HOSPITAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Boyle - 4180 Shakertown Rd - Danville
- 3.) **CIRCUIT NAME AND NUMBER** 2136
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Danville - Shakertown Rd, Gwinn Island Rd, & Spears Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 340
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/30/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.3%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 48.4%
- Utility Equipment- 39.3%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	90.23
10.) <b>2020 SAIDI</b>	170.34
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.27
12.) <b>2020 SAIFI</b>	1.99

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	KENTUCKY STATE HOSPITAL
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Boyle - 4180 Shakertown Rd - Danville
3.) CIRCUIT NAME AND NUMBER	2138
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Danville - Shakertown Rd, Faulkner Ln, & Curdsville Rd - N of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	33.0
6.) CUSTOMER COUNT FOR THIS CIRCUIT	582
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/25/2017
8.) 2020 OUTAGES BY CAUSE	
	Animal- 0.7%
	Construction- 0.0%
	Lightning- 0.6%
	Non-Company- 0.0%
	Other/Unknown- 8.6%
	Overload- 0.0%
	Planned Work- 1.7%
	Trees- 13.3%
	Utility Equipment- 3.0%
	Vehicle- 72.2%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	59.21
10.) 2020 SAIDI	64.79
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.77
12.) 2020 SAIFI	1.19
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	
	Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LANCASTER 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 104 Hamilton Ave - Lancaster
- 3.) **CIRCUIT NAME AND NUMBER** 2140
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lancaster - Danville St, Campbell St, & Waterworks Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 844
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/09/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 12.3%
- Utility Equipment- 0.1%
- Vehicle- 87.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.92
- 10.) **2020 SAIDI** 103.14
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21
- 12.) **2020 SAIFI** 0.76
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LANCASTER 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 104 Hamilton Ave - Lancaster
- 3.) **CIRCUIT NAME AND NUMBER** 2141
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lancaster - Richmond St, Cowden Ct, & Hamilton Ave - N/E/SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 358
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 40.3%
- Trees- 6.8%
- Utility Equipment- 52.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	13.89
10.) <b>2020 SAIDI</b>	25.61
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.30
12.) <b>2020 SAIFI</b>	1.11

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PINE HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rockcastle - 501 Flat Rock Rd - Mt. Vernon
- 3.) **CIRCUIT NAME AND NUMBER** 2149
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt. Vernon - Wilderness Rd, Limestone - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 80
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 33.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 64.8%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 301.47
- 10.) **2020 SAIDI** 405.27
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.75
- 12.) **2020 SAIFI** 3.24
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** SALVISA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Mercer - 4455 Louisville Rd - Salvisa
- 3.) **CIRCUIT NAME AND NUMBER** 2150
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Salvisa - Main St, Louisville Rd, & Talmage Rd - NW & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 38.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 679
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/12/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 2.4%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 21.9%
- Utility Equipment- 72.8%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.14
- 10.) **2020 SAIDI** 71.26
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.47
- 12.) **2020 SAIFI** 0.80
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** RICHMOND 3 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 950 Vickers Dr - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2161
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Eastern Byp, Boggs Ln, & Opal Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 179
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 48.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 51.4%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	35.88
10.) <b>2020 SAIDI</b>	113.56
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.58
12.) <b>2020 SAIFI</b>	2.20

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MOUNT VERNON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Rockcastle - 56 Old Somerset Rd - Mt. Vernon
- 3.) **CIRCUIT NAME AND NUMBER** 2166
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Mt. Vernon - Richmond St and Williams St - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 836
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/08/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 9.3%
- Construction- 0.0%
- Lightning- 0.5%
- Non-Company- 0.0%
- Other/Unknown- 7.3%
- Overload- 0.0%
- Planned Work- 2.5%
- Trees- 28.3%
- Utility Equipment- 52.2%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	18.36
10.) <b>2020 SAIDI</b>	51.95
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.11
12.) <b>2020 SAIFI</b>	0.29

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** CAMPBELLSVILLE 1
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Taylor - 101 Old Greensburg Rd. - Campbellsville
- 3.) **CIRCUIT NAME AND NUMBER** 2205
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Campbellsville - HWY 3350 Bypass - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,224
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.4%
- Construction- 0.0%
- Lightning- 7.7%
- Non-Company- 0.0%
- Other/Unknown- 0.2%
- Overload- 0.0%
- Planned Work- 6.0%
- Trees- 6.7%
- Utility Equipment- 76.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	28.36
10.) <b>2020 SAIDI</b>	44.50
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.36
12.) <b>2020 SAIFI</b>	0.45

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLUMBIA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Adair - 114 Lindsey Wilson St - Columbia
- 3.) **CIRCUIT NAME AND NUMBER** 2210
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Columbia - Guthrie St, Miller Ave, & Adair Ave - S & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 150
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 95.2%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 1.3%
- Utility Equipment- 1.1%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	17.65
10.) <b>2020 SAIDI</b>	59.03
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.25
12.) <b>2020 SAIFI</b>	0.51

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GREENSBURG
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Green - 424 Old Hodgenville Rd - Greensburg
- 3.) **CIRCUIT NAME AND NUMBER** 2214
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Greensburg - Buckner Hill Rd, Hawthorne Rd, HWY 1464, & HWY 88 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 210
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 5.3%
- Non-Company- 0.0%
- Other/Unknown- 46.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 47.6%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	76.49
10.) <b>2020 SAIDI</b>	299.08
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.32
12.) <b>2020 SAIFI</b>	0.78

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LEBANON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Marion - 351 E Water St - Lebanon
- 3.) **CIRCUIT NAME AND NUMBER** 2216
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lebanon - MLK Ave, Spalding Ave, Walnut St, & W Main St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 621
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019
- 8.) **2020 OUTAGES BY CAUSE**

- Animal- 10.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 6.6%
- Trees- 5.7%
- Utility Equipment- 77.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.38
- 10.) **2020 SAIDI** 72.47
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.33
- 12.) **2020 SAIFI** 1.22
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.)	<b>SUBSTATION NAME AND NUMBER</b>	LEBANON SOUTH	
2.)	<b>SUBSTATION LOCATION (COUNTY-ROAD-TOWN)</b>	Marion - 1157 Bradfordsville - Bradfordsville	
3.)	<b>CIRCUIT NAME AND NUMBER</b>	2219	
4.)	<b>CIRCUIT LOCATION (COUNTY-ROAD-TOWN)</b>	Lebanon - Mulberry St, Old Calvary Pike, & Hwy 208 - NW & S of Substation	
5.)	<b>TOTAL CIRCUIT LENGTH (MILES)</b>	12.9	
6.)	<b>CUSTOMER COUNT FOR THIS CIRCUIT</b>	532	
7.)	<b>DATE OF LAST CIRCUIT TRIM (VM)</b>	11/02/2019	
8.)	<b>2020 OUTAGES BY CAUSE</b>		
		Animal- 5.6%	
		Construction- 0.0%	
		Lightning- 0.0%	
		Non-Company- 0.0%	
		Other/Unknown- 15.6%	
		Overload- 0.0%	
		Planned Work- 6.0%	
		Trees- 34.4%	
		Utility Equipment- 38.5%	
		Vehicle- 0.0%	
9.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>		17.88
10.)	<b>2020 SAIDI</b>		19.88
11.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>		0.18
12.)	<b>2020 SAIFI</b>		0.16
13.)	<b>LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN</b>		
		Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** LEBANON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Marion - 1157 Bradfordsville - Bradfordsville
- 3.) **CIRCUIT NAME AND NUMBER** 2220
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lebanon - Metts Dr, Hill Creek Rd, & Hamilton Hts - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 160
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/07/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 16.1%
- Trees- 0.0%
- Utility Equipment- 83.9%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.94
- 10.) **2020 SAIDI** 38.77
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.17
- 12.) **2020 SAIFI** 0.26
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** RUSSELL SPRINGS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Russell - 1183 HWY 1870 - Russell Springs
- 3.) **CIRCUIT NAME AND NUMBER** 2221
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Russell Springs - Old Columbia Rd & Providence Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 139
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 98.0%
- Utility Equipment- 1.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	74.08
10.) <b>2020 SAIDI</b>	178.02
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.82
12.) <b>2020 SAIFI</b>	2.46

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



1.) SUBSTATION NAME AND NUMBER	WOODLAWN	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson – 285 Spencer Mattingly Ln. – Bardstown	
3.) CIRCUIT NAME AND NUMBER	2232	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Bardstown - My Old KY Home St Park & Gilkey Run Rd - SW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	6.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	132	
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/13/2018	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 2.0%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 66.2%	
	Overload- 0.0%	
	Planned Work- 3.1%	
	Trees- 28.7%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		90.63
10.) 2020 SAIDI		80.83
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.75
12.) 2020 SAIFI		1.03
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	





- 1.) **SUBSTATION NAME AND NUMBER** BEATTYVILLE 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Lee - 950 W Main St. - Beattyville
- 3.) **CIRCUIT NAME AND NUMBER** 2301
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Beattyville - W Main St, Lee Ave, & Grand Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 234
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 23.2%
- Overload- 0.0%
- Planned Work- 15.1%
- Trees- 61.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	25.59
10.) <b>2020 SAIDI</b>	41.69
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.18
12.) <b>2020 SAIFI</b>	0.41

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** OKONITE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 1742 Berea Rd - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2306
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Berea Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 24
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 16.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 83.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	14.11
10.) <b>2020 SAIDI</b>	25.85
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.21
12.) <b>2020 SAIFI</b>	0.29

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PAINT LICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Garrard - 11811 HWY 52 E - Paint Lick
- 3.) **CIRCUIT NAME AND NUMBER** 2309
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Paint Lick - HWY 52, Kirksville Rd, & Curtis Pike - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 308
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 98.8%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 129.41
- 10.) **2020 SAIDI** 235.85
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68
- 12.) **2020 SAIFI** 0.67
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020



1.) SUBSTATION NAME AND NUMBER	PAINT LICK	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Garrard - 11811 HWY 52 E - Paint Lick	
3.) CIRCUIT NAME AND NUMBER	2310	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Paint Lick - HWY 52, White Lick Rd, & Noe Rd - S of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	9.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	139	
7.) DATE OF LAST CIRCUIT TRIM (VM)	04/18/2020	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 10.8%	
	Construction- 0.0%	
	Lightning- 1.7%	
	Non-Company- 0.0%	
	Other/Unknown- 1.0%	
	Overload- 0.0%	
	Planned Work- 0.0%	
	Trees- 86.4%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		47.91
10.) 2020 SAIDI		51.32
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.35
12.) 2020 SAIFI		0.34
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Trees Trimmed in 2020	

- 1.) **SUBSTATION NAME AND NUMBER** RED HOUSE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Madison - 3858 Boonesboro Rd - Richmond
- 3.) **CIRCUIT NAME AND NUMBER** 2311
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Richmond - Lost Fork Rd, Red House Rd, & Boonesboro Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 96
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/16/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 1.5%
- Non-Company- 0.0%
- Other/Unknown- 20.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 78.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	48.78
10.) <b>2020 SAIDI</b>	96.41
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.36
12.) <b>2020 SAIFI</b>	0.87

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2021

1.) SUBSTATION NAME AND NUMBER	RICHMOND SOUTH	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Madison - 464 Eastern Bypass - Richmond	
3.) CIRCUIT NAME AND NUMBER	2323	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Richmond - S Killarney Dr, Barnes Mill Rd, & Martin Dr - NW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	5.3	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	659	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/28/2019	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 1.8%	
	Construction- 0.0%	
	Lightning- 1.4%	
	Non-Company- 0.0%	
	Other/Unknown- 11.9%	
	Overload- 0.0%	
	Planned Work- 0.9%	
	Trees- 72.2%	
	Utility Equipment- 11.7%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		13.49
10.) 2020 SAIDI		11.07
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.17
12.) 2020 SAIFI		0.17
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	



- |  |  |      |
|--|--|------|
| 1.) SUBSTATION NAME AND NUMBER                               | ELIZABETHTOWN 3  |      |
| 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)                   | Hardin - 100 Crucible Steel Rd - Elizabethtown                                   |      |
| 3.) CIRCUIT NAME AND NUMBER                                  | 2332   |      |
| 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)                      | Elizabethtown - Leitchfield Rd, Blackbranch Rd, & Nicholas St - SW of Substation |      |
| 5.) TOTAL CIRCUIT LENGTH (MILES)                             | 18.6   |      |
| 6.) CUSTOMER COUNT FOR THIS CIRCUIT                          | 873  |      |
| 7.) DATE OF LAST CIRCUIT TRIM (VM)                           | 01/23/2021   |      |
| 8.) 2020 OUTAGES BY CAUSE                                    |  |      |
|  | Animal- 37.7%  |      |
|  | Construction- 0.8%   |      |
|  | Lightning- 19.1%   |      |
|  | Non-Company- 0.0%  |      |
|  | Other/Unknown- 1.0%  |      |
|  | Overload- 0.0%   |      |
|  | Planned Work- 37.3%  |      |
|  | Trees- 0.0%  |      |
|  | Utility Equipment- 4.1%  |      |
|  | Vehicle- 0.0%  |      |
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)                           |  | 9.96 |
| 10.) 2020 SAIDI  |  | 8.45 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)                          |  | 0.12 |
| 12.) 2020 SAIFI  |  | 0.15 |
| 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN |  |      |
|  | Continue to Monitor  |      |

- 1.) **SUBSTATION NAME AND NUMBER** NEW HAVEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Nelson - 256 Lyons Station Rd - New Haven
- 3.) **CIRCUIT NAME AND NUMBER** 2333
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Haven - Center St, First St, & Depot St - SE of substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 150
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/11/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 14.1%
- Construction- 85.9%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	5.62
10.) <b>2020 SAIDI</b>	6.85
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.11
12.) <b>2020 SAIFI</b>	0.15

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RINEYVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - Rineyville Big Springs Rd - Radcliff
- 3.) **CIRCUIT NAME AND NUMBER** 2334
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Radcliff - Rineyville Big Springs Rd & Rineyville Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 744
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/22/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 8.6%
- Construction- 0.0%
- Lightning- 3.2%
- Non-Company- 0.0%
- Other/Unknown- 3.5%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 84.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.72

10.) **2020 SAIDI** 29.20

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22

12.) **2020 SAIFI** 0.17

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.)	<b>SUBSTATION NAME AND NUMBER</b>	BOSTON
2.)	<b>SUBSTATION LOCATION (COUNTY-ROAD-TOWN)</b>	Nelson - 1100 Old Nelsonville Rd. - Boston
3.)	<b>CIRCUIT NAME AND NUMBER</b>	2402
4.)	<b>CIRCUIT LOCATION (COUNTY-ROAD-TOWN)</b>	Lebanon Junction - City of Lebanon Junction - NW of Substation
5.)	<b>TOTAL CIRCUIT LENGTH (MILES)</b>	15.6
6.)	<b>CUSTOMER COUNT FOR THIS CIRCUIT</b>	709
7.)	<b>DATE OF LAST CIRCUIT TRIM (VM)</b>	02/04/2017
8.)	<b>2020 OUTAGES BY CAUSE</b>	
		Animal- 0.6%
		Construction- 0.0%
		Lightning- 0.0%
		Non-Company- 0.0%
		Other/Unknown- 0.0%
		Overload- 0.0%
		Planned Work- 80.5%
		Trees- 13.5%
		Utility Equipment- 2.1%
		Vehicle- 3.2%
9.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	45.29
10.)	<b>2020 SAIDI</b>	64.55
11.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.58
12.)	<b>2020 SAIFI</b>	1.06
13.)	<b>LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN</b>	
		Continue to Monitor



1.) SUBSTATION NAME AND NUMBER	BOSTON
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson - 1100 Old Nelsonville Rd. - Boston
3.) CIRCUIT NAME AND NUMBER	2403
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Boston - Lebanon Junction Rd, Boston Rd, KY 52 & Nelsonville Rd - SE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	29.5
6.) CUSTOMER COUNT FOR THIS CIRCUIT	345
7.) DATE OF LAST CIRCUIT TRIM (VM)	03/11/2017
8.) 2020 OUTAGES BY CAUSE	
	Animal- 1.6%
	Construction- 2.4%
	Lightning- 2.8%
	Non-Company- 0.0%
	Other/Unknown- 0.0%
	Overload- 0.0%
	Planned Work- 1.7%
	Trees- 89.1%
	Utility Equipment- 2.5%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	60.77
10.) 2020 SAIDI	72.64
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.54
12.) 2020 SAIFI	1.10
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	
	Tree Trim Scheduled for 2021



- 1.) **SUBSTATION NAME AND NUMBER** EASTVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 12540 Sonora - Hardin Springs
- 3.) **CIRCUIT NAME AND NUMBER** 2408
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sonora - W Main St, Skees St, & St. Paul Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 39.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 601
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/21/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 1.0%
- Overload- 0.2%
- Planned Work- 2.5%
- Trees- 0.0%
- Utility Equipment- 95.5%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	37.46
10.) <b>2020 SAIDI</b>	60.14
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.53
12.) <b>2020 SAIFI</b>	0.70

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ELIZABETHTOWN 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 1011 Woodland Dr - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2415
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Woodland Dr, Saint John Rd, & Westport Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 549
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/07/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 9.8%
- Non-Company- 0.0%
- Other/Unknown- 85.3%
- Overload- 0.0%
- Planned Work- 4.6%
- Trees- 0.0%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	29.95
10.) <b>2020 SAIDI</b>	48.12
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.75
12.) <b>2020 SAIFI</b>	1.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ELIZABETHTOWN 4
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 201 Sportsman Lake Rd - Elizabethtown
- 3.) **CIRCUIT NAME AND NUMBER** 2418
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Elizabethtown - Dixie Hwy, New Glendale Rd, & Nicholas St - W & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 517
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/30/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.4%
- Overload- 0.0%
- Planned Work- 6.3%
- Trees- 1.5%
- Utility Equipment- 91.7%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.42
- 10.) **2020 SAIDI** 59.50
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.26
- 12.) **2020 SAIFI** 0.44
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor









1.) SUBSTATION NAME AND NUMBER	ELIZABETHTOWN WEST	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Hardin - 300 College Street Rd - Elizabethtown	
3.) CIRCUIT NAME AND NUMBER	2425	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Elizabethtown - College Street Rd - E of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	0.6	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2	
7.) DATE OF LAST CIRCUIT TRIM (VM)	02/06/2021	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.0%	
	Construction- 0.0%	
	Lightning- 100.0%	
	Non-Company- 0.0%	
	Other/Unknown- 0.0%	
	Overload- 0.0%	
	Planned Work- 0.0%	
	Trees- 0.0%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		15.02
10.) 2020 SAIDI		10.04
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.27
12.) 2020 SAIFI		0.33
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	







- 1.) **SUBSTATION NAME AND NUMBER** HORSE CAVE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hart - 501 Shewey Ave - Horse Cave
- 3.) **CIRCUIT NAME AND NUMBER** 2436
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hiseville - Old Glasgow Rd & Hiseville Main St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 356
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/01/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 10.7%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 28.2%
- Utility Equipment- 60.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 92.42
- 10.) **2020 SAIDI** 160.75
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66
- 12.) **2020 SAIFI** 1.40
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MILLWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Grayson - 6649 Beaver Dam Rd - Millwood
- 3.) **CIRCUIT NAME AND NUMBER** 2441
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Millwood - US HWY 62, School House Rd, & Rock Quarry Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 171
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/27/2017
- 8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 44.8%
- Non-Company- 0.0%
- Other/Unknown- 8.6%
- Overload- 0.0%
- Planned Work- 39.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 7.4%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.66
- 10.) **2020 SAIDI** 4.88
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.06
- 12.) **2020 SAIFI** 0.09
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** RIO
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hart - 301 Glen Lily Rd E - Munfordville
- 3.) **CIRCUIT NAME AND NUMBER** 2451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Munfordville - E US 31, S Jackson HWY & J McGuire Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 252
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/14/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 16.5%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 76.4%
- Utility Equipment- 4.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	55.65
10.) <b>2020 SAIDI</b>	173.42
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.40
12.) <b>2020 SAIFI</b>	0.94

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020



- 1.) **SUBSTATION NAME AND NUMBER** SONORA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 1340 Old Sonora Rd - Sonora
- 3.) **CIRCUIT NAME AND NUMBER** 2457
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Sonora - Sonora Hardin Springs Rd, Nolin Rd, Gilead Church Rd, & KY 222 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 496
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 17.5%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 9.5%
- Utility Equipment- 1.5%
- Vehicle- 70.8%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	35.10
10.) <b>2020 SAIDI</b>	49.25
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.29
12.) <b>2020 SAIFI</b>	0.40

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- |  |   |
|--|---|
| 1.) SUBSTATION NAME AND NUMBER             | SONORA  |
| 2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN) | Hardin - 1340 Old Sonora Rd - Sonora                        |
| 3.) CIRCUIT NAME AND NUMBER                | 2458  |
| 4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)    | Sonora - Maple St, US 31, & City of Upton - S of Substation |
| 5.) TOTAL CIRCUIT LENGTH (MILES)           | 17.3  |
| 6.) CUSTOMER COUNT FOR THIS CIRCUIT        | 492   |
| 7.) DATE OF LAST CIRCUIT TRIM (VM)         | 03/10/2018  |

## 8.) 2020 OUTAGES BY CAUSE

Animal-	2.0%
Construction-	0.0%
Lightning-	0.0%
Non-Company-	0.0%
Other/Unknown-	5.5%
Overload-	0.0%
Planned Work-	27.9%
Trees-	29.3%
Utility Equipment-	35.4%
Vehicle-	0.0%

- |  |       |
|--|-------|
| 9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)                           | 71.07 |
| 10.) 2020 SAIDI  | 22.32 |
| 11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)                          | 0.69  |
| 12.) 2020 SAIFI  | 1.29  |
| 13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN |       |

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VINE GROVE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 108 Crutcher St - Vine Grove
- 3.) **CIRCUIT NAME AND NUMBER** 2459
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Vine Grove - Park St, Edgebrook Dr, Brown St, & 1st St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 530
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/21/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 42.1%
- Overload- 0.0%
- Planned Work- 3.6%
- Trees- 1.9%
- Utility Equipment- 52.4%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	45.29
10.) <b>2020 SAIDI</b>	115.62
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.55
12.) <b>2020 SAIFI</b>	1.24

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LEITCHFIELD EAST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Grayson - 705 Wallace Ave - Leitchfield
- 3.) **CIRCUIT NAME AND NUMBER** 2465
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Leitchfield - Mill St, Lee Ave, & Grayson Springs Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 380
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.3%
- Construction- 2.0%
- Lightning- 51.4%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 15.6%
- Utility Equipment- 27.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 24.56

10.) **2020 SAIDI** 27.32

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.32

12.) **2020 SAIFI** 0.20

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** RADCLIFF SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Hardin - 100 Energy Dr - Radcliff
- 3.) **CIRCUIT NAME AND NUMBER** 2471
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Hardin - S Wilson Rd & Medical Center Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 106
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/06/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 82.7%
- Other/Unknown- 14.1%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.0%
- Utility Equipment- 1.1%
- Vehicle- 1.6%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	52.56
10.) <b>2020 SAIDI</b>	243.73
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.35
12.) <b>2020 SAIFI</b>	1.36

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LA GRANGE E 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 1810 E Highway 146 - La Grange
- 3.) **CIRCUIT NAME AND NUMBER** 2472
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** La Grange - Jericho Rd, Adams St, 1st St, Hwy 53, & Zale Smith Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 29.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 943
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/16/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.0%
- Construction- 0.0%
- Lightning- 51.2%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 33.7%
- Utility Equipment- 14.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.08

10.) **2020 SAIDI** 78.27

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22

12.) **2020 SAIFI** 0.64

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2021



1.)	<b>SUBSTATION NAME AND NUMBER</b>	BLACK BRANCH	
2.)	<b>SUBSTATION LOCATION (COUNTY-ROAD-TOWN)</b>	Hardin - 1220 N Black Branch Rd - Elizabethtown	
3.)	<b>CIRCUIT NAME AND NUMBER</b>	2477	
4.)	<b>CIRCUIT LOCATION (COUNTY-ROAD-TOWN)</b>	Elizabethtown - City of Elizabethtown, W Main St, & St. Paul Rd- NE & SW of Substation	
5.)	<b>TOTAL CIRCUIT LENGTH (MILES)</b>	23.2	
6.)	<b>CUSTOMER COUNT FOR THIS CIRCUIT</b>	675	
7.)	<b>DATE OF LAST CIRCUIT TRIM (VM)</b>	05/18/2019	
8.)	<b>2020 OUTAGES BY CAUSE</b>		
		Animal- 2.0%	
		Construction- 0.0%	
		Lightning- 0.0%	
		Non-Company- 0.0%	
		Other/Unknown- 87.4%	
		Overload- 0.0%	
		Planned Work- 1.6%	
		Trees- 0.0%	
		Utility Equipment- 9.0%	
		Vehicle- 0.0%	
9.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>		26.31
10.)	<b>2020 SAIDI</b>		28.22
11.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>		0.87
12.)	<b>2020 SAIFI</b>		0.36
13.)	<b>LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN</b>		
		Continue to Monitor	



- 1.) **SUBSTATION NAME AND NUMBER** FLORIDA TILE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Anderson - 1247 Alton Rd - Lawrenceburg
- 3.) **CIRCUIT NAME AND NUMBER** 2505
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lawrenceburg - Alton Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 639
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/21/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.9%
- Non-Company- 0.0%
- Other/Unknown- 4.0%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.6%
- Utility Equipment- 92.7%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	57.81
10.) <b>2020 SAIDI</b>	86.55
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.49
12.) <b>2020 SAIFI</b>	1.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LA GRANGE E 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 1810 E Highway 146 - La Grange
- 3.) **CIRCUIT NAME AND NUMBER** 2509
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** La Grange - Grange Dr, Hwy 53, & Hwy 22 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 71.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,968
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/12/2015

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.1%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 88.1%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 10.1%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.86

10.) **2020 SAIDI**

224.28

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.44

12.) **2020 SAIFI**

1.02

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LAGRANGE PENAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 3011 W Highway 146 - La Grange
- 3.) **CIRCUIT NAME AND NUMBER** 2512
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** La Grange - W Highway 146 - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** No Trimming Necessary

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	78.53
10.) <b>2020 SAIDI</b>	190.67
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.60
12.) <b>2020 SAIFI</b>	2.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LAGRANGE PENAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 3011 W Highway 146 - La Grange
- 3.) **CIRCUIT NAME AND NUMBER** 2513
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** La Grange - HWY 146, Jefferson St, & Allen Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,500
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.1%
- Construction- 0.0%
- Lightning- 12.3%
- Non-Company- 0.0%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 66.6%
- Utility Equipment- 6.5%
- Vehicle- 10.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	31.72
10.) <b>2020 SAIDI</b>	51.16
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.27
12.) <b>2020 SAIFI</b>	0.42

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2021

1.) SUBSTATION NAME AND NUMBER	LAWRENCEBURG 12KV	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Anderson - 108 E Broadway st - Lawrenceburg	
3.) CIRCUIT NAME AND NUMBER	2516	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lawrenceburg - Main St - N of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	38.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	2,384	
7.) DATE OF LAST CIRCUIT TRIM (VM)	08/13/2016	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 3.4%	
	Construction- 0.0%	
	Lightning- 4.7%	
	Non-Company- 0.0%	
	Other/Unknown- 9.1%	
	Overload- 0.0%	
	Planned Work- 5.9%	
	Trees- 56.7%	
	Utility Equipment- 20.0%	
	Vehicle- 0.2%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		45.86
10.) 2020 SAIDI		68.52
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.43
12.) 2020 SAIFI		0.40
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Tree Trim Scheduled for 2021	

1.) SUBSTATION NAME AND NUMBER	LAWRENCEBURG 12KV
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Anderson - 108 E Broadway st - Lawrenceburg
3.) CIRCUIT NAME AND NUMBER	2517
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Lawrenceburg - Industry Rd & Tyron Rd - NE of Substation
5.) TOTAL CIRCUIT LENGTH (MILES)	10.6
6.) CUSTOMER COUNT FOR THIS CIRCUIT	176
7.) DATE OF LAST CIRCUIT TRIM (VM)	10/31/2016
8.) 2020 OUTAGES BY CAUSE	
	Animal- 0.0%
	Construction- 0.0%
	Lightning- 2.2%
	Non-Company- 0.9%
	Other/Unknown- 4.7%
	Overload- 0.0%
	Planned Work- 0.0%
	Trees- 75.9%
	Utility Equipment- 16.4%
	Vehicle- 0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)	32.71
10.) 2020 SAIDI	72.89
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.31
12.) 2020 SAIFI	0.36
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	
	Tree Trim Scheduled for 2021











- 1.) **SUBSTATION NAME AND NUMBER** SIMPSONVILLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Shelby - 6801 Shelbyville Rd - Simpsonville
- 3.) **CIRCUIT NAME AND NUMBER** 2528
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Simpsonville - Shelbyville Rd, Champions Way, Veechdale Rd & Hwy 60 - SW & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 285
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/13/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 5.8%
- Trees- 93.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 53.97
- 10.) **2020 SAIDI** 109.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55
- 12.) **2020 SAIFI** 0.47
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LOCKPORT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Henry - 88 Sawmill Rd - Bethlehem
- 3.) **CIRCUIT NAME AND NUMBER** 2531
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Bethlehem - KY 22, KY 389 & Six Mile Creek Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 167
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/22/2016
- 8.) **2020 OUTAGES BY CAUSE**

Animal- 0.0%

Construction- 0.0%

Lightning- 94.1%

Non-Company- 1.2%

Other/Unknown- 1.1%

Overload- 0.0%

Planned Work- 1.0%

Trees- 2.7%

Utility Equipment- 0.0%

Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 155.79
- 10.) **2020 SAIDI** 120.02
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.97
- 12.) **2020 SAIFI** 1.08
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	LOCKPORT	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Henry - 88 Sawmill Rd - Bethlehem	
3.) CIRCUIT NAME AND NUMBER	2532	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Bethlehem - KY 22, Hwy 1360, Sewell Rd, & Bethlehem Rd - SW of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	53.1	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	952	
7.) DATE OF LAST CIRCUIT TRIM (VM)	12/24/2016	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.1%	
	Construction- 0.0%	
	Lightning- 32.8%	
	Non-Company- 0.0%	
	Other/Unknown- 3.8%	
	Overload- 0.0%	
	Planned Work- 1.4%	
	Trees- 48.8%	
	Utility Equipment- 12.8%	
	Vehicle- 0.1%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		102.11
10.) 2020 SAIDI		62.52
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		1.06
12.) 2020 SAIFI		1.10
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Tree Trim Scheduled for 2021	



- 1.) **SUBSTATION NAME AND NUMBER** EMINENCE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Henry - 1257 Ballardsville Rd - Eminence
- 3.) **CIRCUIT NAME AND NUMBER** 2535
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Eminence - Giltner Rd, Smithfield Rd, & Hwy 22 - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 249
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/23/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 39.8%
- Utility Equipment- 0.2%
- Vehicle- 59.6%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 101.89
- 10.) **2020 SAIDI** 281.88
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.65
- 12.) **2020 SAIFI** 1.72
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.) SUBSTATION NAME AND NUMBER	MID VALLEY CLARKSON	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Grayson - 1960 Peonia Rd - Clarkson	
3.) CIRCUIT NAME AND NUMBER	2538	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Clarkson - No Road - W of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	0.0	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	1	
7.) DATE OF LAST CIRCUIT TRIM (VM)	No Trimming Necessary	
8.) 2020 OUTAGES BY CAUSE		
	Animal-	0.0%
	Construction-	0.0%
	Lightning-	0.0%
	Non-Company-	0.0%
	Other/Unknown-	0.0%
	Overload-	0.0%
	Planned Work-	100.0%
	Trees-	0.0%
	Utility Equipment-	0.0%
	Vehicle-	0.0%
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		121.83
10.) 2020 SAIDI		62.63
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.40
12.) 2020 SAIFI		1.00
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	



- 1.) **SUBSTATION NAME AND NUMBER** GREEN RIVER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - 811 Power Plant Dr - South Carrollton
- 3.) **CIRCUIT NAME AND NUMBER** 3412
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Muhlenberg - HWY 431 & 138 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 100.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.12
- 10.) **2020 SAIDI** 338.10
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.10
- 12.) **2020 SAIFI** 4.00
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

1.)	<b>SUBSTATION NAME AND NUMBER</b>	Earlington - Oak Hill (Sec 3B)
2.)	<b>SUBSTATION LOCATION (COUNTY-ROAD-TOWN)</b>	Hopkins - 202 Russ Hill Rd - Nortonville
3.)	<b>CIRCUIT NAME AND NUMBER</b>	3418
4.)	<b>CIRCUIT LOCATION (COUNTY-ROAD-TOWN)</b>	Nortonville - Daniel Boone Rd & Hwy 41 Alt, & Hwy 62 - S of Substation
5.)	<b>TOTAL CIRCUIT LENGTH (MILES)</b>	18.4
6.)	<b>CUSTOMER COUNT FOR THIS CIRCUIT</b>	3,127
7.)	<b>DATE OF LAST CIRCUIT TRIM (VM)</b>	01/07/2017
8.)	<b>2020 OUTAGES BY CAUSE</b>	
		Animal- 0.0%
		Construction- 0.0%
		Lightning- 0.0%
		Non-Company- 0.0%
		Other/Unknown- 28.3%
		Overload- 0.0%
		Planned Work- 0.0%
		Trees- 0.0%
		Utility Equipment- 71.7%
		Vehicle- 0.0%
9.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	16.87
10.)	<b>2020 SAIDI</b>	3.00
11.)	<b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	2.39
12.)	<b>2020 SAIFI</b>	3.00
13.)	<b>LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN</b>	
		Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Princeton - Hardesty Tap
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Caldwell - 320 Marion Rd - Princeton
- 3.) **CIRCUIT NAME AND NUMBER** 3423
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Princeton - Watson Rd, Mt. Hebron Rd, & Mill Dam Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 945
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/28/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 75.3%
- Non-Company- 0.0%
- Other/Unknown- 24.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	7.33
10.) <b>2020 SAIDI</b>	10.00
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	2.82
12.) <b>2020 SAIFI</b>	10.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Green River - Rumsey
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** County - Road - Town
- 3.) **CIRCUIT NAME AND NUMBER** 3424
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Town - Road - General Area
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/31/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	0.40
10.) <b>2020 SAIDI</b>	2.00
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.40
12.) <b>2020 SAIFI</b>	2.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GARDNER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Clay - HWY 66/Redbird Rd - Ashers Fork
- 3.) **CIRCUIT NAME AND NUMBER** 4336
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Ashers Fork - State Hwy 66 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 30
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/29/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 98.2%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	93.31
10.) <b>2020 SAIDI</b>	352.33
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.02
12.) <b>2020 SAIFI</b>	3.03

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FOURMILE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Bell - Hwy 2014 - Pineville
- 3.) **CIRCUIT NAME AND NUMBER** 4340
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Pineville - Hwy 2014 & 2015, US 25, & Hwy 92 - SW & N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 175
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/03/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.7%
- Overload- 0.0%
- Planned Work- 2.8%
- Trees- 76.2%
- Utility Equipment- 11.9%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	226.47
10.) <b>2020 SAIDI</b>	517.04
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.37
12.) <b>2020 SAIFI</b>	2.69

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** SHAWNEE GAS 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Ball Park Rd - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 4402
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - Hwy 421 & Hwy 990 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 498
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/08/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 50.5%
- Overload- 0.0%
- Planned Work- 35.2%
- Trees- 11.1%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	61.07
10.) <b>2020 SAIDI</b>	73.56
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.55
12.) <b>2020 SAIFI</b>	0.90

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Completed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** HARLAN 12KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Corner of River St and Rain St - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 4407
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - State HWY 38 - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 116
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/11/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 40.7%
- Overload- 24.9%
- Planned Work- 8.5%
- Trees- 25.9%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	108.46
10.) <b>2020 SAIDI</b>	164.31
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.33
12.) <b>2020 SAIFI</b>	2.80

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** HARLAN WYE 4KV
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Sunshine Pike Rd just W of US HWY 421 - Harlan
- 3.) **CIRCUIT NAME AND NUMBER** 4411
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Harlan - US HWY 421 - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 405
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/02/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 36.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 35.7%
- Overload- 0.0%
- Planned Work- 20.8%
- Trees- 7.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 28.93

10.) **2020 SAIDI**

35.98

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.28

12.) **2020 SAIFI**

0.52

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CATRONS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Near 6872 Hwy 72 - Gulston
- 3.) **CIRCUIT NAME AND NUMBER** 4427
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Gulston - Hwy 72 & Bardo Hollow Rd - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 94
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/15/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 61.5%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 37.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 106.14
- 10.) **2020 SAIDI** 468.54
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.58
- 12.) **2020 SAIFI** 2.28
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** CATRONS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Harlan - Near 6872 Hwy 72 - Gulston
- 3.) **CIRCUIT NAME AND NUMBER** 4428
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Gulston - Hwy 1216, Hwy 72, & Hwy 2425 - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 321
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/16/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 6.7%
- Overload- 0.0%
- Planned Work- 5.2%
- Trees- 87.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 104.40
- 10.) **2020 SAIDI** 161.79
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.84
- 12.) **2020 SAIFI** 1.35
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

1.) SUBSTATION NAME AND NUMBER	VERDA	
2.) SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Harlan - Corner of School St - Everts	
3.) CIRCUIT NAME AND NUMBER	4479	
4.) CIRCUIT LOCATION (COUNTY-ROAD-TOWN)	Everts - Hwy 38, Nolan Ln, & Ages Creek Rd - W of Substation	
5.) TOTAL CIRCUIT LENGTH (MILES)	13.8	
6.) CUSTOMER COUNT FOR THIS CIRCUIT	496	
7.) DATE OF LAST CIRCUIT TRIM (VM)	09/02/2016	
8.) 2020 OUTAGES BY CAUSE		
	Animal- 0.3%	
	Construction- 0.0%	
	Lightning- 0.0%	
	Non-Company- 0.0%	
	Other/Unknown- 94.4%	
	Overload- 0.0%	
	Planned Work- 0.2%	
	Trees- 5.2%	
	Utility Equipment- 0.0%	
	Vehicle- 0.0%	
9.) CIRCUIT 5 YEAR AVERAGE (SAIDI)		99.98
10.) 2020 SAIDI		73.49
11.) CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.79
12.) 2020 SAIFI		1.24
13.) LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN		
	Continue to Monitor	

- 1.) **SUBSTATION NAME AND NUMBER** SOMERSET 3
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 125 Young St. - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 4501
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - E Mt. Vernon St & Eller St - E & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 720
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 2.6%
- Other/Unknown- 82.8%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 11.7%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	19.23
10.) <b>2020 SAIDI</b>	24.76
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.42
12.) <b>2020 SAIFI</b>	1.07

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOMERSET 3
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 125 Young St. - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 4502
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - Pumphouse Rd, Speedway Dr, & College St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 885
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/10/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 71.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 28.2%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.93
- 10.) **2020 SAIDI** 120.78
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62
- 12.) **2020 SAIFI** 1.76
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** SOMERSET 2
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Pulaski - 105 Tandy Ave - Somerset
- 3.) **CIRCUIT NAME AND NUMBER** 4506
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Somerset - N Main St, Robin Dr, & Elliott Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 100
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/25/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.2%
- Overload- 0.0%
- Planned Work- 92.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	14.59
10.) <b>2020 SAIDI</b>	22.67
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.19
12.) <b>2020 SAIFI</b>	0.36

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

**KENTUCKY PUBLIC SERVICE COMMISSION****ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT****SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW**

The Companies' Vegetation Management Plan was submitted December 19, 2007. The Distribution Vegetation Management Program encompasses right of way maintenance for Louisville Gas and Electric Company and Kentucky Utilities Company (referred to as the "Companies"). The program is centralized and managed by a Forestry Manager and eight company Utility Arborists. All are certified arborists by the International Society of Arboriculture.

The Companies' plan is to maintain a proactive trim cycle while balancing the reactive needs of worst performing circuits. The Companies' goal is to maintain an average trim cycle of five years or less. The effectiveness of the plan is evaluated by the cycle and system performance as measured by system SAIDI, SAIFI, and CAIDI.

**Effectiveness of the program**

KU/LG&E Tree Cycle – 4.90 years

KU (Kentucky) Tree SAIDI – 21.90 minutes

KU (Kentucky) Tree SAIFI – 0.145

KU (Kentucky) Tree CAIDI – 151.1 minutes

The hazard tree program, mid cycle, herbicide, and worst performing circuits were completed as planned.

**Adjustments made to the tree plan in 2020 included**

No changes made to plan.

**Changes to be implemented in 2021**

No changes made to plan. Continue targeted hazard tree and mid-cycle trim work.

**SECTION 7: UTILITY COMMENTS**

SAIDI, SAIFI and CAIDI all improved in 2020 compared to the previous 5 year average including and excluding major events. 358 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2020.



**KENTUCKY PUBLIC SERVICE COMMISSION****ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT****SECTION 1: CONTACT INFORMATION**

UTILITY NAME	LOUISVILLE GAS AND ELECTRIC
REPORT PREPARED BY	Steve Woodworth (Dir. System Ops & Planning)
E-MAIL ADDRESS OF PREPARER	<a href="mailto:steve.woodworth@lge-ku.com">steve.woodworth@lge-ku.com</a>
PHONE NUMBER OF PREPARER	(502) 627-3828

**SECTION 2: REPORTING YEAR**

CALENDAR YEAR OF REPORT	2020
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**SECTION 3: MAJOR EVENT DAYS (MED)**

$T_{MED}$	3.344
FIRST DATE USED TO DETERMINE $T_{MED}$	1/1/2015
LAST DATE USED TO DETERMINE $T_{MED}$	12/31/2019
NUMBER OF MED IN REPORTING YEAR	5

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

**SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS****System-wide Information**

TOTAL CUSTOMERS	<u>434,471</u>	TOTAL CIRCUITS	<u>619</u>
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**Excluding MED**

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>77.82</u>	SAIDI	<u>71.44</u>
SAIFI	<u>0.926</u>	SAIFI	<u>0.736</u>

**Including MED**

5 YEAR AVERAGE		REPORTING YEAR	
SAIDI	<u>187.75</u>	SAIDI	<u>106.88</u>
SAIFI	<u>1.164</u>	SAIFI	<u>0.866</u>

## Notes:

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

**SECTION 5: CIRCUIT REPORTING**

BEGIN ON NEXT PAGE

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1202
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greentree Ln & Dixie Hwy - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,863
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 2.9%
- Other/Unknown- 1.1%
- Overload- 0.0%
- Planned Work- 24.2%
- Trees- 0.2%
- Utility Equipment- 14.3%
- Vehicle- 55.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.75

10.) **2020 SAIDI**

101.96

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.74

12.) **2020 SAIFI**

1.13

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1203
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ashby Ln & Bethany Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,212
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 8.8%
- Construction- 0.0%
- Lightning- 34.3%
- Non-Company- 0.0%
- Other/Unknown- 3.2%
- Overload- 0.0%
- Planned Work- 21.0%
- Trees- 15.4%
- Utility Equipment- 17.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 62.80

10.) **2020 SAIDI**

78.31

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.89

12.) **2020 SAIFI**

1.38

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5400 Vesper Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AB1205
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Valley Station Rd & Dodge Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,199
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/05/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 3.3%
- Non-Company- 0.0%
- Other/Unknown- 12.9%
- Overload- 0.0%
- Planned Work- 8.1%
- Trees- 12.8%
- Utility Equipment- 9.9%
- Vehicle- 52.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 110.35

10.) **2020 SAIDI**

114.24

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

1.31

12.) **2020 SAIFI**

1.79

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1293
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - New English Station Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 143
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/21/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 98.4%
- Overload- 0.0%
- Planned Work- 1.6%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.51

10.) **2020 SAIDI** 127.85

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.56

12.) **2020 SAIFI** 2.01

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1294
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Shelbyville Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 491
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 17.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 41.0%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 39.3%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 68.57

10.) **2020 SAIDI** 64.78

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.79

12.) **2020 SAIFI** 1.45

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** AIKEN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 12909 Shelbyville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AK1296
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - ShelbyvilleRd & N Beckley Station - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 35.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,588
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 22.7%
- Trees- 0.5%
- Utility Equipment- 76.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 33.67

10.) **2020 SAIDI** 139.80

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35

12.) **2020 SAIFI** 0.47

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ALGONQUIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1800 S 11th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AL1374
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 7th St & Algonquin Pky - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 450
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 10.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 9.5%
- Other/Unknown- 21.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 58.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.81

10.) **2020 SAIDI** 149.06

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38

12.) **2020 SAIFI** 1.88

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** ALGONQUIN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1800 S 11th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AL1377
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Hill St & S 10th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	61.55
10.) <b>2020 SAIDI</b>	297.37
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.36
12.) <b>2020 SAIFI</b>	1.40

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBOTTOM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Fayette - 96 Burley Ave. - Lexington
- 3.) **CIRCUIT NAME AND NUMBER** AS1416
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grade Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 53
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/02/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 96.6%
- Utility Equipment- 0.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 212.53

10.) **2020 SAIDI** 375.84

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.82

12.) **2020 SAIFI** 1.06

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** ASHBOTTOM
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8113 Grade Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** AS1418
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 54
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/02/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 5.8%
- Non-Company- 0.0%
- Other/Unknown- 86.9%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 7.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.96

10.) **2020 SAIDI**

99.62

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.60

12.) **2020 SAIFI**

1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BISHOP
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Bishop Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BI1218
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bishop Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 131
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017
- 8.) **2020 OUTAGES BY CAUSE**
- |                    |       |
|--------------------|-------|
| Animal-            | 11.6% |
| Construction-      | 0.0%  |
| Lightning-         | 0.0%  |
| Non-Company-       | 0.0%  |
| Other/Unknown-     | 67.0% |
| Overload-          | 0.0%  |
| Planned Work-      | 0.0%  |
| Trees-             | 0.0%  |
| Utility Equipment- | 21.4% |
| Vehicle-           | 0.0%  |
- 9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.47
- 10.) **2020 SAIDI** 11.28
- 11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.13
- 12.) **2020 SAIFI** 0.18
- 13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor





- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1181
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Browns Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,062
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 6.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 27.0%
- Overload- 0.0%
- Planned Work- 8.7%
- Trees- 48.2%
- Utility Equipment- 8.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 103.32

10.) **2020 SAIDI** 148.43

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.41

12.) **2020 SAIFI** 1.75

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1182
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I - 264 East - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 226
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 100.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.98

10.) **2020 SAIDI** 43.10

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.52

12.) **2020 SAIFI** 1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1184
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I - 264 East - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 8
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 171.19

10.) **2020 SAIDI**

744.33

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.28

12.) **2020 SAIFI**

1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1185
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Taylorsville Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,827
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/16/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 5.4%
- Construction- 2.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.7%
- Overload- 0.0%
- Planned Work- 7.5%
- Trees- 38.8%
- Utility Equipment- 20.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 121.12

10.) **2020 SAIDI** 207.11

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.23

12.) **2020 SAIFI** 2.02

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1351
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brekenridge Ln & Shelbyville Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 353
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 55.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 44.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 113.87

10.) **2020 SAIDI** 406.84

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.14

12.) **2020 SAIFI** 2.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

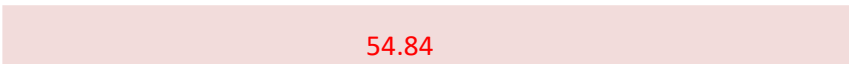
- 1.) **SUBSTATION NAME AND NUMBER** BRECKENRIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3920 Dutchmans Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BR1352
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brekenridge Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 107
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/17/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 8.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 91.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.33

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11240 Bluegrass Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BY1279
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Watterson Way - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 868
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/23/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.2%
- Overload- 0.0%
- Planned Work- 10.0%
- Trees- 0.0%
- Utility Equipment- 88.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.61

10.) **2020 SAIDI** 70.27

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21

12.) **2020 SAIFI** 0.53

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11240 Bluegrass Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BY1283
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Blankenbaker Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 432
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 2.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 37.1%
- Overload- 0.5%
- Planned Work- 40.4%
- Trees- 10.6%
- Utility Equipment- 8.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.75

10.) **2020 SAIDI** 20.95

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38

12.) **2020 SAIFI** 0.24

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** BLUEGRASS PARKWAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 11240 Bluegrass Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** BY1285
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Moser Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 516
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/09/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 98.6%
- Utility Equipment- 0.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.08

10.) **2020 SAIDI** 39.14

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.91

12.) **2020 SAIFI** 2.05

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

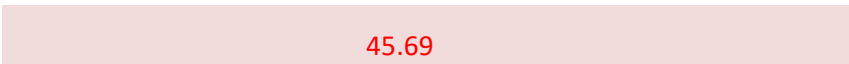
- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1341
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 20th St & W Market St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,049
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.0%
- Other/Unknown- 96.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 2.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.57

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.84

12.) **2020 SAIFI** 1.61

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1345
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 20th St & W Broadway - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,100
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 10.73

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57

12.) **2020 SAIFI** 0.17

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2005 Northwestern Parkway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CA1346
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Northwestern PKY & W Market St - W fo Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,196
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 30.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 69.5%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.23

10.) **2020 SAIDI** 102.00

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.39

12.) **2020 SAIFI** 2.38

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor









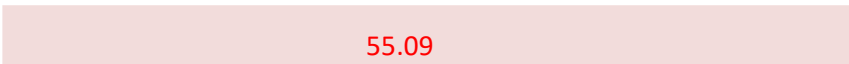
- 1.) **SUBSTATION NAME AND NUMBER** CLARKS LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 934 Clarks Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CK0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Pindell Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 453
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 4.3%
- Lightning- 6.9%
- Non-Company- 0.0%
- Other/Unknown- 37.6%
- Overload- 0.0%
- Planned Work- 16.9%
- Trees- 5.3%
- Utility Equipment- 29.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.65

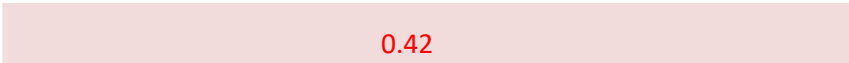
10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.22

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLARKS LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 934 Clarks Ln - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CK0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Eastern PKY - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 222
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/28/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 11.4%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 57.2%
- Utility Equipment- 17.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.90

10.) **2020 SAIDI** 48.04

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.36

12.) **2020 SAIFI** 0.35

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1227
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Clifton Ave, & Ewing Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 647
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/15/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 17.4%
- Trees- 77.9%
- Utility Equipment- 3.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.44

10.) **2020 SAIDI** 34.36

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42

12.) **2020 SAIFI** 1.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1230
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mellwood Ave, Shiloh Ave, & River Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,092
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/03/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 56.0%
- Overload- 0.0%
- Planned Work- 5.8%
- Trees- 24.4%
- Utility Equipment- 3.9%
- Vehicle- 7.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.36

10.) **2020 SAIDI** 40.24

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.49

12.) **2020 SAIFI** 1.14

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

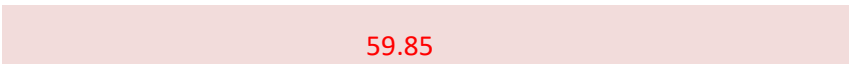
- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1232
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Frankfort Ave, Story Ave, & E Main St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,777
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/03/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.6%
- Lightning- 0.0%
- Non-Company- 6.1%
- Other/Unknown- 51.0%
- Overload- 0.0%
- Planned Work- 10.9%
- Trees- 25.0%
- Utility Equipment- 5.8%
- Vehicle- 0.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.35

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.04

12.) **2020 SAIFI** 0.54

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1405
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mellwood Ave, River Rd, & River Green Cir - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 82
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 6.6%
- Trees- 92.3%
- Utility Equipment- 0.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.44

10.) **2020 SAIDI** 269.09

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.99

12.) **2020 SAIFI** 1.05

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLIFTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2009 New Main Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CL1407
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Payne St, Spring St, & Story Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/28/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.34

10.) **2020 SAIDI**

72.53

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

1.08

12.) **2020 SAIFI**

0.20

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** COLLINS
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3401 Coillins Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CO1197
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - La Grange Rd, Reamers Rd, & Chamberlain Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,110
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 8.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 19.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 9.1%
- Utility Equipment- 11.4%
- Vehicle- 50.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 37.30

10.) **2020 SAIDI** 33.87

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.28

12.) **2020 SAIFI** 0.32

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CANE RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5252 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CR1422
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - No Road - At Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	7.54
10.) <b>2020 SAIDI</b>	11.72
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.17
12.) <b>2020 SAIFI</b>	0.50

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Opposite 2215 Carter St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CT0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N 22nd St & Griffiths Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 354
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.3%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 12.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 86.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.44

10.) **2020 SAIDI**

41.35

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.12

12.) **2020 SAIFI**

0.16

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** CARTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Opposite 2215 Carter St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CT0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave, 24th St, & Northwestern Pky - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 276
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.4%
- Overload- 0.0%
- Planned Work- 96.4%
- Trees- 1.4%
- Utility Equipment- 0.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.34

10.) **2020 SAIDI** 34.70

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21

12.) **2020 SAIFI** 0.34

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CARTER
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Opposite 2215 Carter St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CT0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Portland Ave & N 20th St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 44
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 67.7%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 32.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 12.03

10.) **2020 SAIDI** 10.83

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.43

12.) **2020 SAIFI** 0.56

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CRESTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - Floydsburg Rd. - Crestwood
- 3.) **CIRCUIT NAME AND NUMBER** CW1227
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - HWY 22, Carriage Hill Dr, & Mary Clayton Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 958
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/27/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 0.0%
- Lightning- 0.7%
- Non-Company- 0.0%
- Other/Unknown- 46.9%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 51.1%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.20

10.) **2020 SAIDI** 112.81

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.41

12.) **2020 SAIFI** 0.62

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CRESTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - Floydsburg Rd. - Crestwood
- 3.) **CIRCUIT NAME AND NUMBER** CW1228
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Crestwood - HWY 329, I 71, Covered Bridge Rd, & Halls Hill Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 71.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,214
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/31/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.7%
- Overload- 0.1%
- Planned Work- 2.5%
- Trees- 38.3%
- Utility Equipment- 53.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 204.44

10.) **2020 SAIDI**

523.14

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

1.81

12.) **2020 SAIFI**

3.16

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1483
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Breckinridge St, Vine St, Highland Ave, & Barrett Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 14
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.73

10.) **2020 SAIDI** 22.89

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21

12.) **2020 SAIFI** 0.33

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1484
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Jackson St, Jacob St, Floyd St, & 1st St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 66
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 88.9%
- Overload- 0.0%
- Planned Work- 4.6%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.17

10.) **2020 SAIDI**

63.20

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.54

12.) **2020 SAIFI**

1.21

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** CLAY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 908 Clay St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** CY1486
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Caldwell St, Logan St, Jackson St, Goss Ave, & Ash St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 257
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	18.29
10.) <b>2020 SAIDI</b>	82.24
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.38
12.) <b>2020 SAIFI</b>	1.83

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor





- 1.) **SUBSTATION NAME AND NUMBER** DEL PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3135 Del Park Terrance - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DE1410
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Park Dr, Cecil Ave, Greenwood Ave, & Virginia Ave - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,624
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/21/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 93.79

10.) **2020 SAIDI** 20.49

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 3.46

12.) **2020 SAIFI** 6.08

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DUMESNIL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1309 Dumesnil St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DU0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 13th St, W Hill St, & S 15th St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 120
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 14.4%
- Other/Unknown- 72.5%
- Overload- 0.0%
- Planned Work- 13.1%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.74

10.) **2020 SAIDI** 37.07

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27

12.) **2020 SAIFI** 0.30

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** DIXIE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1706 Bernheim Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DX1222
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Millers Ln, Cane Run Rd, Bells Ln, & Algonquin PKY - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,408
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/01/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 2.1%
- Other/Unknown- 5.3%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 44.9%
- Utility Equipment- 39.6%
- Vehicle- 4.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 110.79

10.) **2020 SAIDI** 129.44

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.38

12.) **2020 SAIFI** 0.94

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** DIXIE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1706 Bernheim Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** DX1223
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, S 2nd St, & Hale Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,625
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.4%
- Non-Company- 2.3%
- Other/Unknown- 10.3%
- Overload- 0.4%
- Planned Work- 39.2%
- Trees- 34.4%
- Utility Equipment- 8.8%
- Vehicle- 3.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.68

10.) **2020 SAIDI** 100.24

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.29

12.) **2020 SAIFI** 1.02

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** EIGHTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 841 S 8th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EI0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Breckenridge St, S 6th St, & S 4th St - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 162
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 21.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 78.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.32

10.) **2020 SAIDI** 43.23

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.10

12.) **2020 SAIFI** 0.23

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** EIGHTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 841 S 8th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EI0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 9th St, W Kentucky St, & S 8th St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 30
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 11.53

10.) **2020 SAIDI** 4.31

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.05

12.) **2020 SAIFI** 0.06

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor











- 1.) **SUBSTATION NAME AND NUMBER** EASTWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 100 Flat Road Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** EW1240
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd & Beckley Creek PKWY - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 364
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 46.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 41.2%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 4.6%
- Utility Equipment- 6.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.87

10.) **2020 SAIDI**

22.21

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21

12.) **2020 SAIFI**

0.36

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1123
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Kramers Ln, Campground Rd, & Lees Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 910
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/10/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 7.6%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 82.0%
- Utility Equipment- 0.1%
- Vehicle- 10.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 79.93

10.) **2020 SAIDI** 92.39

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.09

12.) **2020 SAIFI** 1.29

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1214
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Farnsley Rd, Cane Run Rd, Ralph Ave, & Campground Rd - N & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 970
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/15/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.9%
- Construction- 1.7%
- Lightning- 0.0%
- Non-Company- 55.3%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 4.2%
- Trees- 36.3%
- Utility Equipment- 0.3%
- Vehicle- 0.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.50

10.) **2020 SAIDI** 106.61

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.54

12.) **2020 SAIFI** 0.52

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** FARNSELEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2428 Farnsley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FA1216
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crums Ln, Hillview Ave, & Garrs Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,321
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/03/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.1%
- Construction- 0.2%
- Lightning- 4.6%
- Non-Company- 0.1%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 15.9%
- Trees- 48.0%
- Utility Equipment- 12.1%
- Vehicle- 11.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 118.22

10.) **2020 SAIDI** 118.37

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.95

12.) **2020 SAIFI** 2.42

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** FALLS CITY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1048 S 43rd St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FC0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 43rd St, Fordson Way, & Cecil Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 277
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 83.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 16.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 8.20

10.) **2020 SAIDI**



8.34

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.28

12.) **2020 SAIFI** 0.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1209
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd, Langdon Dr, & Tiverton Way - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,547
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/10/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 4.4%
- Non-Company- 0.0%
- Other/Unknown- 15.5%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 77.2%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 55.68

10.) **2020 SAIDI** 140.38

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27

12.) **2020 SAIFI** 0.69

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1211
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Springhurst Blvd & Champion Farms Dr - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 366
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 100.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 35.59

10.) **2020 SAIDI** 24.19

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.34

12.) **2020 SAIFI** 0.34

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1213
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Westport Rd, Blossom Ln, Goose Creek Rd & Brownsboro Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,986
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/20/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.6%
- Construction- 0.0%
- Lightning- 11.3%
- Non-Company- 0.0%
- Other/Unknown- 33.9%
- Overload- 0.0%
- Planned Work- 1.3%
- Trees- 49.2%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	61.46
10.) <b>2020 SAIDI</b>	119.15
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	0.53
12.) <b>2020 SAIFI</b>	1.56

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1214
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Freys Hill Rd, Evergreen Rd, & Park Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 720
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/04/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 91.8%
- Utility Equipment- 5.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.41

10.) **2020 SAIDI** 191.29

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.11

12.) **2020 SAIFI** 1.73

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FREYS HILL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3300 Freys Hill Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FH1216
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Springhurst Blvd & N Hurstbourne PKY - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 903
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/10/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 83.2%
- Overload- 0.0%
- Planned Work- 16.7%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.38

10.) **2020 SAIDI** 47.09

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22

12.) **2020 SAIFI** 0.65

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FLOYD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1806 S Floyd St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FL1496
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Floyd St, Warnock St, & Crittenden Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,122
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/12/2016

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 62.0%
- Overload- 0.0%
- Planned Work- 37.5%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 29.12

10.) **2020 SAIDI** 79.86

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.75

12.) **2020 SAIFI** 1.77

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

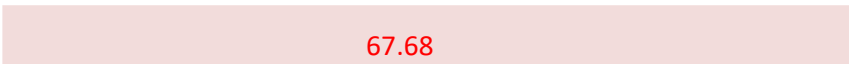
- 1.) **SUBSTATION NAME AND NUMBER** FAIRMOUNT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10713 Fairmount Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FM1256
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Lands Ln, & HWY 44 - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 36.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,911
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/25/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 93.7%
- Utility Equipment- 5.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.68

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.40

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FAIRMOUNT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10713 Fairmount Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FM1257
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brentlinger Ln, Seatonville Rd, Brush Run Rd, & Routt Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 93.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,011
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 3.0%
- Non-Company- 0.0%
- Other/Unknown- 26.2%
- Overload- 0.0%
- Planned Work- 12.8%
- Trees- 51.9%
- Utility Equipment- 5.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 65.12

10.) **2020 SAIDI**

128.01

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.47

12.) **2020 SAIFI**

0.89

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FORTY FOURTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 128 N 44th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FO0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - N 44th St & Bank St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 212
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.2%
- Overload- 0.0%
- Planned Work- 16.8%
- Trees- 43.4%
- Utility Equipment- 30.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.09

10.) **2020 SAIDI** 16.03

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.39

12.) **2020 SAIFI** 0.41

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020



- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1135
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Forest Dr, E Indian Trl, & Poplar Level Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,101
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.2%
- Other/Unknown- 12.9%
- Overload- 0.0%
- Planned Work- 29.4%
- Trees- 1.1%
- Utility Equipment- 4.0%
- Vehicle- 51.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 57.70

10.) **2020 SAIDI**

61.89

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66

12.) **2020 SAIFI**

1.27

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1138
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fern Valley Rd & Shepherdsville Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,554
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.8%
- Overload- 0.0%
- Planned Work- 3.5%
- Trees- 0.1%
- Utility Equipment- 94.1%
- Vehicle- 1.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.84

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42

12.) **2020 SAIFI** 0.24

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1139
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Industrial Blvd, Grade Ln, & Knopp Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 216
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.6%
- Overload- 0.0%
- Planned Work- 2.8%
- Trees- 94.5%
- Utility Equipment- 1.3%
- Vehicle- 0.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 114.06

10.) **2020 SAIDI** 252.47

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.35

12.) **2020 SAIFI** 2.11

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1142
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Mile of Sunshine Dr, Whispering Hills Blvd, & Yellow Sands Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,173
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 0.8%
- Utility Equipment- 0.6%
- Vehicle- 98.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 87.52

10.) **2020 SAIDI**

356.36

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.43

12.) **2020 SAIFI**

0.80

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1143
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Clay Ave, Minor Ln, Foreman Ln, & Bonaventure Blvd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,504
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 2.5%
- Non-Company- 0.0%
- Other/Unknown- 20.4%
- Overload- 0.0%
- Planned Work- 11.1%
- Trees- 5.5%
- Utility Equipment- 31.4%
- Vehicle- 29.0%

9.) <b>CIRCUIT 5 YEAR AVERAGE (SAIDI)</b>	101.97
10.) <b>2020 SAIDI</b>	113.50
11.) <b>CIRCUIT 5 YEAR AVERAGE (SAIFI)</b>	1.58
12.) <b>2020 SAIFI</b>	2.13

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1144
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy & Oaklawn Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 30
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/15/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.84

10.) **2020 SAIDI** 1.00

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.39

12.) **2020 SAIFI** 1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** FERN VALLEY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1256 Old Fern Valley Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** FV1478
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, & Standiford Ave/Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 115
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/29/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.15

10.) **2020 SAIDI** 10.39

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.94

12.) **2020 SAIFI** 0.99

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GAULBERT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2950 Wilson Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GA0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Wilson Ave - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 17
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/11/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 100.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 47.96

10.) **2020 SAIDI**

74.79

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.27

12.) **2020 SAIFI**

0.35

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** GILLIGAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 35th Street & Gilligan Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GI0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - S 32nd St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 167
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/04/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 72.4%
- Other/Unknown- 13.7%
- Overload- 0.0%
- Planned Work- 14.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 101.42

10.) **2020 SAIDI** 167.90

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.40

12.) **2020 SAIFI** 2.17

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GILLIGAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 35th Street & Gilligan Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GI0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bank St, N 39th St, & S 38th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 465
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/04/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 13.4%
- Overload- 0.0%
- Planned Work- 5.2%
- Trees- 0.0%
- Utility Equipment- 75.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 39.60

10.) **2020 SAIDI**

55.27

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.49

12.) **2020 SAIFI**

1.28

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1330
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Grade Lane - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 299.91

10.) **2020 SAIDI** 997.14

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38

12.) **2020 SAIFI** 0.50

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1331
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Grade Lane - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 561.43

10.) **2020 SAIDI**

1881.73

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.50

12.) **2020 SAIFI**

1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

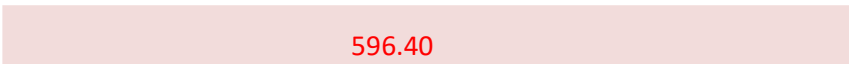
- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1332
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Shepherdsville - Grade Lane - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

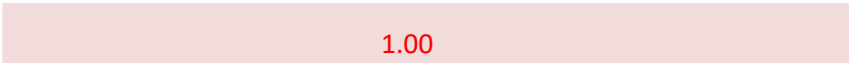
9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 221.10

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.50

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADE LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6909 Grade Lane - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GL1335
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grade Ln & Midfield Access Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 294.90

10.) **2020 SAIDI** 289.52

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40

12.) **2020 SAIFI** 1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1838 S 39th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GR1124
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I 264 East & Stratton Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 253
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/05/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 27.5%
- Utility Equipment- 72.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.06

10.) **2020 SAIDI**

105.34

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.26

12.) **2020 SAIFI**

1.04

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** GRADY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1838 S 39th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** GR1464
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Algonquin Pky, Virginia Ave, & S 43rd St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 776
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/16/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 15.0%
- Non-Company- 0.0%
- Other/Unknown- 13.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 33.5%
- Utility Equipment- 38.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.04

10.) **2020 SAIDI**

89.78

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.03

12.) **2020 SAIFI**

4.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** HALE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 185 Hale Ave - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HA0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Hale Ave, Dumesnil St, & St Louis Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 562
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/09/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 1.8%
- Other/Unknown- 0.5%
- Overload- 0.0%
- Planned Work- 30.6%
- Trees- 0.0%
- Utility Equipment- 5.1%
- Vehicle- 61.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.01

10.) **2020 SAIDI**

72.33

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.24

12.) **2020 SAIFI**

0.36

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1141
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Embassy Square Blvd, Doral Ct, & Bunsen Pky - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 920
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/14/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.4%
- Vehicle- 99.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 13.90

10.) **2020 SAIDI** 7.77

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.08

12.) **2020 SAIFI** 0.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1144
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Hickory Rd, Waterson Trl, & Blankenbaker Access Dr - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 279
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 20.6%
- Trees- 78.8%
- Utility Equipment- 0.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 72.83

10.) **2020 SAIDI** 162.51

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.92

12.) **2020 SAIFI** 0.25

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1147
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - I 64 W, Linn Station Rd, & Timberwood Cir - NNW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 570
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/14/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 10.6%
- Construction- 0.0%
- Lightning- 8.2%
- Non-Company- 0.0%
- Other/Unknown- 59.0%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 21.2%
- Utility Equipment- 0.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 142.94

10.) **2020 SAIDI** 366.09

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.35

12.) **2020 SAIFI** 5.88

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1149
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Plantside Dr, Production Dr, & Research Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 31
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 14.66

10.) **2020 SAIDI** 19.65

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.17

12.) **2020 SAIFI** 0.03

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HURSTBOURNE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1830 Plantside Drive - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HB1150
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bunsen Way & Production Dr - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 324
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/26/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 84.9%
- Overload- 0.0%
- Planned Work- 13.6%
- Trees- 0.0%
- Utility Equipment- 1.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.10

10.) **2020 SAIDI** 48.80

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14

12.) **2020 SAIFI** 0.44

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1292
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Grinstead Dr, Lexington Rd, & Alta Vista Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 848
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/14/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 12.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.4%
- Overload- 0.0%
- Planned Work- 4.2%
- Trees- 14.6%
- Utility Equipment- 57.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 58.74

10.) **2020 SAIDI** 82.11

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55

12.) **2020 SAIFI** 0.76

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



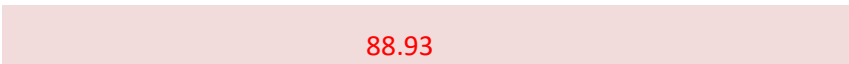
- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1431
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hillcrest Ave & Zorn Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 4
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/24/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 80.59

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.25

12.) **2020 SAIFI** 0.25

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

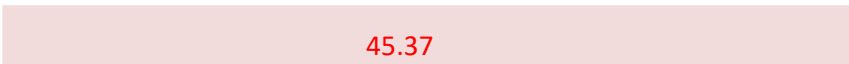
- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1433
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - No Road - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/24/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

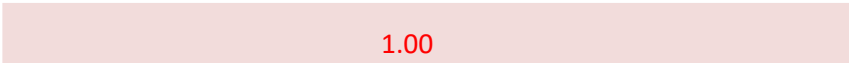
9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 9.07

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

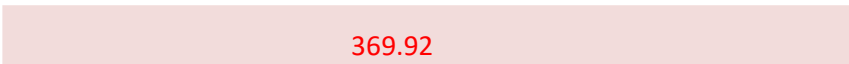
- 1.) **SUBSTATION NAME AND NUMBER** HILLCREST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3015 Frankfort Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HC1434
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Stilz Ave, Lexington Rd, & Alta Vista Rd - S & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/24/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

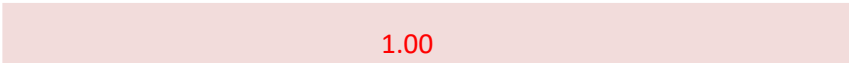
9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 84.48

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.65

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HERMAN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 3619 Jefferson St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HE0003
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 38th St, Amy Ave, & W Muhammad Ali Blvd - N & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 648
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/21/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 32.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 14.9%
- Utility Equipment- 52.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.64

10.) **2020 SAIDI** 11.23

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.14

12.) **2020 SAIFI** 0.15

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HIGHLAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1917 Stevens Ave. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HI1102
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Bardstown Rd, Baringer Ave & Highland Ave - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,492
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 1.2%
- Non-Company- 0.0%
- Other/Unknown- 30.9%
- Overload- 0.0%
- Planned Work- 10.0%
- Trees- 10.6%
- Utility Equipment- 30.1%
- Vehicle- 17.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.95

10.) **2020 SAIDI** 65.44

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.54

12.) **2020 SAIFI** 2.39

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor





- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1234
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - HWY 42, Wolf Pen Branch Rd, & Barbour Ln - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 52.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,998
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/13/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.3%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 1.6%
- Overload- 0.0%
- Planned Work- 6.0%
- Trees- 87.9%
- Utility Equipment- 3.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 239.77

10.) **2020 SAIDI** 377.20

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.22

12.) **2020 SAIFI** 1.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1242
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Rd, Shirley Ave, & Duroc Ave - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 585
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/09/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.8%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 3.5%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 91.5%
- Utility Equipment- 0.0%
- Vehicle- 1.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.51

10.) **2020 SAIDI** 44.47

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.15

12.) **2020 SAIFI** 0.29

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARRODS CREEK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 6611 Del Haven Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HK1243
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - US 42, Covered Bridge Rd, Rose Island Rd, & River Bluff Rd - NNE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 53.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,493
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.7%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 72.4%
- Utility Equipment- 3.9%
- Vehicle- 1.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 197.00

10.) **2020 SAIDI** 267.29

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.87

12.) **2020 SAIFI** 1.83

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARMONY LANDING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 11943 W Hwy 42 - Goshen
- 3.) **CIRCUIT NAME AND NUMBER** HL1155
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - Goshen Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 15.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 381
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/13/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 18.3%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 2.8%
- Overload- 0.0%
- Planned Work- 3.4%
- Trees- 75.5%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.15

10.) **2020 SAIDI** 39.69

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.31

12.) **2020 SAIFI** 0.13

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** HARMONY LANDING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 11943 W Hwy 42 - Goshen
- 3.) **CIRCUIT NAME AND NUMBER** HL1157
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - Meadowridge Trl, Hwy 1793, & Rose Island Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 33.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,280
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/18/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 31.9%
- Non-Company- 4.3%
- Other/Unknown- 5.4%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 52.9%
- Utility Equipment- 4.6%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 307.28

10.) **2020 SAIDI** 710.13

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 2.62

12.) **2020 SAIFI** 2.94

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** HARMONY LANDING
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 11943 W Hwy 42 - Goshen
- 3.) **CIRCUIT NAME AND NUMBER** HL1158
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Goshen - US 42 & Buckeye Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 31.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 521
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/10/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 1.2%
- Lightning- 7.6%
- Non-Company- 0.0%
- Other/Unknown- 1.8%
- Overload- 0.0%
- Planned Work- 3.2%
- Trees- 77.2%
- Utility Equipment- 8.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 216.82

10.) **2020 SAIDI** 234.04

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.53

12.) **2020 SAIFI** 1.04

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** HANCOCK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 630 E Caldwell St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** HN1200
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelby St, E Broadway, Baxter Ave, & Cherokee Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,876
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.4%
- Construction- 0.0%
- Lightning- 37.4%
- Non-Company- 0.0%
- Other/Unknown- 1.8%
- Overload- 0.0%
- Planned Work- 21.8%
- Trees- 8.5%
- Utility Equipment- 29.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.88

10.) **2020 SAIDI** 37.38

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.90

12.) **2020 SAIFI** 1.19

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** INTERNATIONAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5599 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** IN1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd, Greenbelt Hwy, & Rockaway Dr - ENE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 998
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.3%
- Construction- 0.0%
- Lightning- 17.1%
- Non-Company- 0.0%
- Other/Unknown- 11.5%
- Overload- 0.0%
- Planned Work- 3.8%
- Trees- 6.2%
- Utility Equipment- 53.8%
- Vehicle- 4.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 86.68

10.) **2020 SAIDI** 117.83

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.85

12.) **2020 SAIFI** 1.92

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** INTERNATIONAL
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5599 Cane Run Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** IN1298
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd & Distribution Dr - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 43
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/22/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 80.2%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 16.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.52

10.) **2020 SAIDI** 16.22

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.64

12.) **2020 SAIFI** 1.07

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1156
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Strawberry Ln, Southside Dr, & National TPke - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,249
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 8.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 12.6%
- Overload- 0.0%
- Planned Work- 7.4%
- Trees- 0.6%
- Utility Equipment- 62.3%
- Vehicle- 8.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 45.74

10.) **2020 SAIDI** 77.96

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.42

12.) **2020 SAIFI** 0.84

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1159
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Kenwood Dr, Homestead Dr, & Southside Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,426
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/18/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.8%
- Construction- 8.0%
- Lightning- 11.2%
- Non-Company- 10.0%
- Other/Unknown- 7.9%
- Overload- 0.0%
- Planned Work- 31.7%
- Trees- 20.5%
- Utility Equipment- 5.0%
- Vehicle- 1.8%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.78

10.) **2020 SAIDI** 89.23

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.71

12.) **2020 SAIFI** 2.10

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

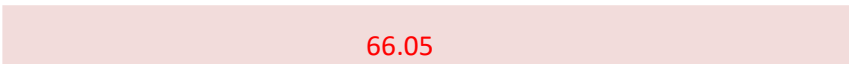
- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1161
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southside Dr, 3rd St, & W Kenwood Way - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 731
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/18/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 11.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.4%
- Overload- 0.0%
- Planned Work- 6.8%
- Trees- 71.6%
- Utility Equipment- 5.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 52.17

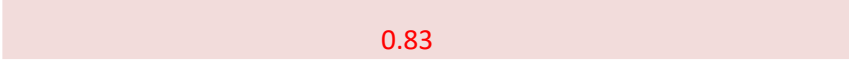
10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.62

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** KENWOOD
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 115 Steedly Dr. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** KE1162
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Strawberry Ln & Eiler Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 76
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 39.2%
- Overload- 0.0%
- Planned Work- 60.8%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 18.54

10.) **2020 SAIDI** 24.49

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.12

12.) **2020 SAIFI** 0.19

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor







- 1.) **SUBSTATION NAME AND NUMBER** LOCUST
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2929 Preston Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LO1191
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hess Ln & Polar Level Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 55
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 77.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 22.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.99

10.) **2020 SAIDI** 64.26

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.03

12.) **2020 SAIFI** 1.95

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

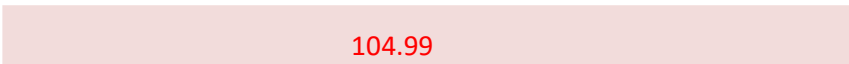
- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Bellemeade
- 3.) **CIRCUIT NAME AND NUMBER** LS1241
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Bellemeade - Old Whipps Mill Rd, Dorchester Rd, & Shelbyville Rd - S & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 454
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 12.6%
- Overload- 0.0%
- Planned Work- 58.1%
- Trees- 27.8%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

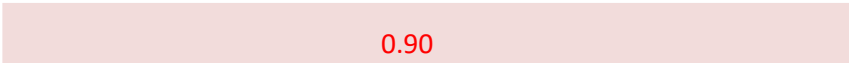
9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.06

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.62

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LS1243
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ormsby Ln & LaGrange Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 809
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/20/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 20.1%
- Overload- 3.5%
- Planned Work- 7.2%
- Trees- 7.1%
- Utility Equipment- 0.8%
- Vehicle- 58.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.69

10.) **2020 SAIDI** 29.33

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66

12.) **2020 SAIFI** 0.81

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

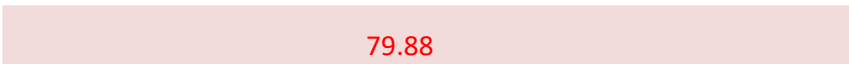
- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Bellemeade
- 3.) **CIRCUIT NAME AND NUMBER** LS1244
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Lyndon - New La Grange Rd, La Grange Rd, Whipps Mill Rd - N & NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,902
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/31/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.1%
- Construction- 0.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.3%
- Overload- 1.2%
- Planned Work- 6.3%
- Trees- 48.0%
- Utility Equipment- 27.9%
- Vehicle- 0.0%

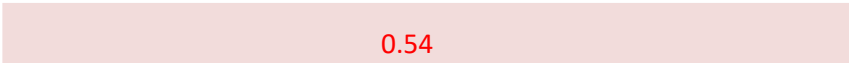
9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 67.74

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.46

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

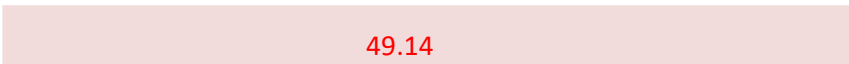
- 1.) **SUBSTATION NAME AND NUMBER** LYNDON SOUTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 918 Ormsby Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LS1246
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - New La Grange Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 385
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 41.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 3.6%
- Trees- 0.0%
- Utility Equipment- 54.8%
- Vehicle- 0.0%

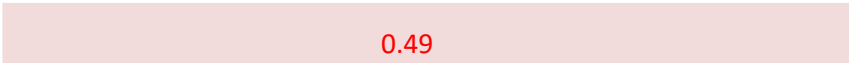
9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 20.51

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.27

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** LYNDON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8407 LaGrange Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** LY1111
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Ormsby Ln, Herr Ln, & Graymoor Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,147
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/23/2021

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.5%
- Construction- 1.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 18.1%
- Overload- 0.0%
- Planned Work- 8.5%
- Trees- 59.7%
- Utility Equipment- 9.2%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 92.81

10.) **2020 SAIDI** 135.01

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60

12.) **2020 SAIFI** 0.92

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2021

- 1.) **SUBSTATION NAME AND NUMBER** MILL CREEK - LGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 14660 Dixie Hwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MC1261
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Pendleton Rd, & Blevins Gap Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 63.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,423
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/04/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.5%
- Overload- 0.0%
- Planned Work- 18.2%
- Trees- 34.2%
- Utility Equipment- 4.7%
- Vehicle- 32.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 110.88

10.) **2020 SAIDI** 92.71

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.08

12.) **2020 SAIFI** 1.79

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Completed in 2020



- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG0411
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Broadway, 15th St, Garland Ave, & 16th St - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 370
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 1.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.3%
- Overload- 0.0%
- Planned Work- 11.2%
- Trees- 4.7%
- Utility Equipment- 0.2%
- Vehicle- 82.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 83.53

10.) **2020 SAIDI**

134.49

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.95

12.) **2020 SAIFI**

1.21

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

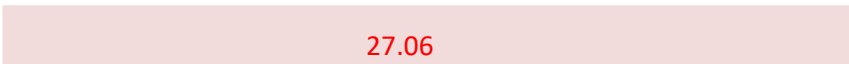
- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG0451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Broadway - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 31
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.44

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.09

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG0452
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 12th St, W Kentucky St, & W Oak St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 60
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 100.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 112.20

10.) **2020 SAIDI** 77.20

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.68

12.) **2020 SAIFI** 1.02

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MAGAZINE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 646 S 13th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MG1327
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Magazine St, Dr W J Hodge St, & 28th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 15
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 0.65

10.) **2020 SAIDI** 1.00

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21

12.) **2020 SAIFI** 1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1291
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Saint Anthony's Church Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 137
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 17.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 82.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 49.52

10.) **2020 SAIDI**

92.15

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.64

12.) **2020 SAIFI**

0.39

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1293
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd and Brown Austin Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,268
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 51.7%
- Overload- 0.0%
- Planned Work- 1.9%
- Trees- 0.0%
- Utility Equipment- 36.3%
- Vehicle- 9.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.68

10.) **2020 SAIDI** 30.19

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.22

12.) **2020 SAIFI** 0.23

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1296
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd St Rd, Christland Rd, & Manslick Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,729
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 6.6%
- Construction- 0.0%
- Lightning- 0.8%
- Non-Company- 0.0%
- Other/Unknown- 7.5%
- Overload- 0.0%
- Planned Work- 0.4%
- Trees- 77.6%
- Utility Equipment- 5.9%
- Vehicle- 1.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.31

10.) **2020 SAIDI** 89.06

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.35

12.) **2020 SAIFI** 0.45

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor





- 1.) **SUBSTATION NAME AND NUMBER** MANSLICK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8703 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** MK1298
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Belvins Gap Rd, & Brown Austin Rd - SW & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 584
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/04/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 35.1%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 51.6%
- Utility Equipment- 12.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 212.53

10.) **2020 SAIDI** 500.58

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.51

12.) **2020 SAIFI** 2.21

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1283
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Cooper Chapel Rd, & Charleswood Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,868
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/13/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.3%
- Lightning- 0.3%
- Non-Company- 0.0%
- Other/Unknown- 52.3%
- Overload- 0.0%
- Planned Work- 0.3%
- Trees- 0.9%
- Utility Equipment- 46.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 87.85

10.) **2020 SAIDI** 100.88

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.03

12.) **2020 SAIFI** 1.38

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1284
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Christman Dr, Mount Washington Rd, & Cedar Creek Rd- E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 49.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,515
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/24/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 14.4%
- Construction- 0.0%
- Lightning- 0.2%
- Non-Company- 0.0%
- Other/Unknown- 14.9%
- Overload- 0.0%
- Planned Work- 3.6%
- Trees- 54.2%
- Utility Equipment- 7.7%
- Vehicle- 5.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.92

10.) **2020 SAIDI**

32.80

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.25

12.) **2020 SAIFI**

0.36

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1285
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Lees Ln, Rogers Ave, & Zoneton Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,621
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/15/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 10.9%
- Construction- 0.0%
- Lightning- 23.6%
- Non-Company- 0.0%
- Other/Unknown- 4.2%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 0.0%
- Utility Equipment- 60.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 70.75

10.) **2020 SAIDI** 70.21

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.34

12.) **2020 SAIFI** 0.43

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

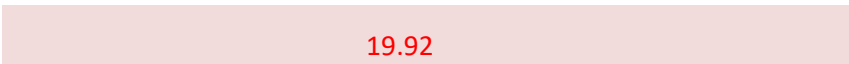
- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1286
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Overdale Dr, Blossom Rd, Summers Dr, & Summit Dr - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,542
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 06/15/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 39.6%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 17.2%
- Overload- 0.0%
- Planned Work- 2.4%
- Trees- 2.2%
- Utility Equipment- 37.0%
- Vehicle- 1.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.46

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38

12.) **2020 SAIFI** 0.29

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1288
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Hebron Ln, & Bells Mill Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 38.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,586
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/03/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 57.6%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 2.4%
- Utility Equipment- 29.7%
- Vehicle- 3.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 56.29

10.) **2020 SAIDI** 50.85

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.56

12.) **2020 SAIFI** 0.57

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1289
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Holgate Dr, 1st, 2nd, & 3rd St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 813
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/13/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 20.5%
- Overload- 0.0%
- Planned Work- 0.6%
- Trees- 29.5%
- Utility Equipment- 46.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 108.91

10.) **2020 SAIDI** 139.08

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.77

12.) **2020 SAIFI** 3.48

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** MUD LANE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4900 Mud Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** ML1290
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Southpoint Dr - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/13/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 38.12

10.) **2020 SAIDI** 190.62

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20

12.) **2020 SAIFI** 1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** MULDRAUGH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - 100 Carpenter Test Rd. - Muldraugh
- 3.) **CIRCUIT NAME AND NUMBER** MU1101
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Muldraugh - Carpenter Test Rd, Main St, & Dixie Hwy - E & SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 554
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/13/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.8%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 69.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 54.07

10.) **2020 SAIDI** 146.88

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.15

12.) **2020 SAIFI** 2.46

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** NACHAND
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7201 Verona Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** NA1271
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Nachand Ln, Watterson Trl, & Hurstbourne Pky - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,560
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/31/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 1.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 93.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.2%
- Utility Equipment- 5.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.04

10.) **2020 SAIDI**

45.99

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.19

12.) **2020 SAIFI**

0.42

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OLD HENRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 13601 Terra View Trail - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OH1170
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Old Henry Rd, Nelson Miller Pky, & Stanley Gault Pky - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 8.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 141
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/07/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 14.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 2.5%
- Trees- 0.0%
- Utility Equipment- 83.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 5.83

10.) **2020 SAIDI** 16.09

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.05

12.) **2020 SAIFI** 0.12

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 811 N 27th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OK1272
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Outer Loop, Shepherdsville Rd, & Applegate Ln - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 18.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,664
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/06/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 9.1%
- Construction- 0.0%
- Lightning- 0.3%
- Non-Company- 1.0%
- Other/Unknown- 13.1%
- Overload- 0.0%
- Planned Work- 6.5%
- Trees- 66.1%
- Utility Equipment- 3.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.76

10.) **2020 SAIDI**

58.20

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.53

12.) **2020 SAIFI**

1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OKOLONA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 811 N 27th St. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OK1274
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Preston Hwy, Miles Ln, & Cooper Ave - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,341
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/04/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 12.5%
- Construction- 1.7%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.0%
- Overload- 0.0%
- Planned Work- 17.0%
- Trees- 42.7%
- Utility Equipment- 0.0%
- Vehicle- 15.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 40.49

10.) **2020 SAIDI** 44.98

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.32

12.) **2020 SAIFI** 0.22

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8004 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OX1275
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Christian Way & Oxmoor Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 96
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 88.81

10.) **2020 SAIDI** 1.00

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40

12.) **2020 SAIFI** 1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor





- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8004 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OX1278
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Christian Way & Oxmoor Ln - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 5
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** Underground Circuit

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 100.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 179.14

10.) **2020 SAIDI** 106.33

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.60

12.) **2020 SAIFI** 1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** OXMOOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8004 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** OX1279
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, New La Grange Rd, & Wood Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,467
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/22/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.2%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 38.9%
- Overload- 0.0%
- Planned Work- 5.3%
- Trees- 54.2%
- Utility Equipment- 1.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 113.82

10.) **2020 SAIDI** 156.99

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.15

12.) **2020 SAIFI** 1.57

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** PIRTLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 1506 W Main St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PI0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - W Market St, 22nd St, 19th St, & Cedar St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 525
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/12/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 29.2%
- Lightning- 0.0%
- Non-Company- 0.5%
- Other/Unknown- 38.3%
- Overload- 0.0%
- Planned Work- 20.3%
- Trees- 0.0%
- Utility Equipment- 11.1%
- Vehicle- 0.7%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 98.03

10.) **2020 SAIDI** 45.75

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.79

12.) **2020 SAIFI** 1.25

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PIRTLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 1506 W Main St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PI0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Market St & 10th St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 316
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/04/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 47.9%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 52.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 44.40

10.) **2020 SAIDI**

48.63

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.35

12.) **2020 SAIFI**

0.37

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

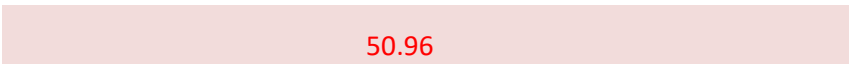
- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1270
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - St. Andrews Church Rd & St. Anthonys Church Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 24.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,491
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/13/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 14.1%
- Overload- 0.0%
- Planned Work- 7.5%
- Trees- 15.1%
- Utility Equipment- 49.7%
- Vehicle- 13.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 50.09

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.94

12.) **2020 SAIFI** 0.74

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1271
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Pages Ln, & Maryman Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 27.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,095
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/25/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.8%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 25.8%
- Overload- 0.0%
- Planned Work- 3.2%
- Trees- 2.0%
- Utility Equipment- 65.2%
- Vehicle- 3.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 102.31

10.) **2020 SAIDI** 118.16

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.15

12.) **2020 SAIFI** 0.35

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PLEASURE RIDGE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4400 Atlas Power Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PL1273
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Atlas Power Rd, Greenwood Rd & St. Pauls Church Rd - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 82
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 26.4%
- Overload- 0.0%
- Planned Work- 18.2%
- Trees- 0.0%
- Utility Equipment- 55.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 85.26

10.) **2020 SAIDI**

230.07

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.57

12.) **2020 SAIFI**

1.55

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** PADDYS RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Floyd - 4222 Hwy 111 - New Albany
- 3.) **CIRCUIT NAME AND NUMBER** PR1387
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Albany - No Road - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 0.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/09/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.14

10.) **2020 SAIDI** 255.68

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.20

12.) **2020 SAIFI** 1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** PADDYS RUN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Floyd - 4222 Hwy 111 - New Albany
- 3.) **CIRCUIT NAME AND NUMBER** PR1390
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** New Albany - Algonquin Pky & Gibson Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 13
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/09/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 20.3%
- Non-Company- 0.0%
- Other/Unknown- 79.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 96.49

10.) **2020 SAIDI**

369.36

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

1.06

12.) **2020 SAIFI**

4.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

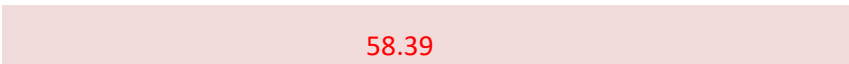
- 1.) **SUBSTATION NAME AND NUMBER** PLAINVIEW
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 9900 Shelbyville Rd - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** PV1250
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Shelbyville Rd, Dorsey Ln, & Ward Ave - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 34.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,863
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/08/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 12.4%
- Construction- 0.0%
- Lightning- 5.9%
- Non-Company- 0.0%
- Other/Unknown- 68.6%
- Overload- 0.0%
- Planned Work- 2.3%
- Trees- 0.0%
- Utility Equipment- 10.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.76

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.29

12.) **2020 SAIFI** 0.28

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEVENTH
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Louisville - 1231 S 7th St - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SE0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 7th St, oak St, & 8th St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 333
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/21/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.4%
- Overload- 0.0%
- Planned Work- 98.6%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 15.97

10.) **2020 SAIDI** 22.03

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.16

12.) **2020 SAIFI** 0.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1282
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Berry Blvd, Powell Ave, Wheeler Ave & Southgate Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,039
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 10.3%
- Construction- 0.0%
- Lightning- 13.5%
- Non-Company- 0.0%
- Other/Unknown- 28.1%
- Overload- 0.0%
- Planned Work- 1.5%
- Trees- 32.0%
- Utility Equipment- 6.6%
- Vehicle- 8.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.27

10.) **2020 SAIDI** 75.72

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.16

12.) **2020 SAIFI** 2.41

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1284
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,311
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/12/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 7.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 64.3%
- Overload- 0.0%
- Planned Work- 6.9%
- Trees- 0.0%
- Utility Equipment- 21.1%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 66.32

10.) **2020 SAIDI** 62.97

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.90

12.) **2020 SAIFI** 1.44

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1456
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Dixie Hwy, Ralph Ave, & Fitzgerald Rd - N of Substation of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 3.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 22
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 99.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 170.87

10.) **2020 SAIDI** 547.99

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.04

12.) **2020 SAIFI** 0.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1458
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 7th Street Rd, Arcade Ave, Taylor Blvd, & Berry Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 7
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 100.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 17.51

10.) **2020 SAIDI** 1.00

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.49

12.) **2020 SAIFI** 1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHIVELY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 3624 Elderwood Way - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SH1459
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Bluegrass Ave, & Taylor Blvd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 4.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 16
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 100.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 95.83

10.) **2020 SAIDI**

217.47

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.84

12.) **2020 SAIFI**

0.94

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SKYLIGHT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Oldham - 8617 W Hwy 42 - Skylight
- 3.) **CIRCUIT NAME AND NUMBER** SK1128
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Skylight - Hwy 42, Hwy 393, & Hwy 524 - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 152.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,437
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.1%
- Construction- 0.0%
- Lightning- 18.2%
- Non-Company- 5.8%
- Other/Unknown- 4.9%
- Overload- 0.0%
- Planned Work- 0.1%
- Trees- 46.9%
- Utility Equipment- 8.6%
- Vehicle- 15.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 456.77

10.) **2020 SAIDI**

730.35

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

2.17

12.) **2020 SAIFI**

3.38

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1234
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Whitney Ave, Taylor Blvd, & Ashland Ave - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 13.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,256
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 20.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 8.7%
- Overload- 0.0%
- Planned Work- 21.2%
- Trees- 23.5%
- Utility Equipment- 7.0%
- Vehicle- 19.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 63.30

10.) **2020 SAIDI** 59.86

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.77

12.) **2020 SAIFI** 0.99

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1235
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Fairmont Ave, 3rd St, 5th St, & 4th St - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 12.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,209
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.9%
- Construction- 10.3%
- Lightning- 0.0%
- Non-Company- 0.6%
- Other/Unknown- 1.6%
- Overload- 0.0%
- Planned Work- 80.1%
- Trees- 0.0%
- Utility Equipment- 1.7%
- Vehicle- 2.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 59.93

10.) **2020 SAIDI** 71.03

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.76

12.) **2020 SAIFI** 0.54

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1363
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crittenden Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 12
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 82.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 13.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 117.83

10.) **2020 SAIDI**

264.02

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

1.15

12.) **2020 SAIFI**

3.17

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

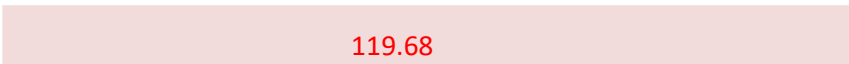
- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1364
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Park Blvd, Farmington Ave, & Floyd St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 48
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 29.3%
- Overload- 0.0%
- Planned Work- 67.0%
- Trees- 0.0%
- Utility Equipment- 3.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 36.93

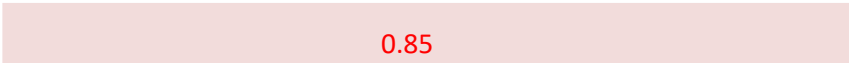
10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.44

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SEMINOLE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4161 Park Blvd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SM1366
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Crittenden Dr, Woodlawn Ave, Phillips Ln, & Preston Hwy - S & E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 35
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/16/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 25.5%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 74.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 115.06

10.) **2020 SAIDI**

161.25

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

1.93

12.) **2020 SAIFI**

2.09

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** SHAWNEE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 3908 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SN0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Broadway, 37th St, & Lindell Ave - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 519
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 28.2%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 65.4%
- Trees- 6.4%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 23.75

10.) **2020 SAIDI** 25.03

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.75

12.) **2020 SAIFI** 0.20

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SHAWNEE
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear of 3908 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SN0004
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Broadway, 40th, 41st, 42nd, 43rd, & 44th St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 618
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/29/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 73.8%
- Other/Unknown- 3.8%
- Overload- 0.0%
- Planned Work- 6.6%
- Trees- 2.3%
- Utility Equipment- 0.1%
- Vehicle- 13.5%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 61.60

10.) **2020 SAIDI**

194.06

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.55

12.) **2020 SAIFI**

1.51

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTHERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1475 S 3rd Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SO0410
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 4th St & Hill St - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 694
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 4.5%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 11.6%
- Overload- 0.0%
- Planned Work- 7.6%
- Trees- 0.0%
- Utility Equipment- 2.1%
- Vehicle- 74.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.22

10.) **2020 SAIDI** 163.63

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.54

12.) **2020 SAIFI** 2.03

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTHERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1475 S 3rd Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SO0422
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 2nd St & 3rd St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 776
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 31.5%
- Trees- 0.0%
- Utility Equipment- 66.3%
- Vehicle- 2.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 32.73

10.) **2020 SAIDI** 36.43

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.34

12.) **2020 SAIFI** 0.58

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTHERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1475 S 3rd Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SO0451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd St & Lee St - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 538
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 58.6%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 15.6%
- Utility Equipment- 25.8%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 72.76

10.) **2020 SAIDI** 79.58

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.56

12.) **2020 SAIFI** 0.27

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

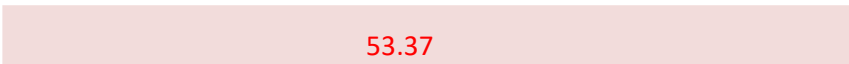
- 1.) **SUBSTATION NAME AND NUMBER** SOUTHERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1475 S 3rd Street - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SO0453
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 3rd St, Oak St, & Brook St - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 2.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 626
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/01/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 55.2%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 20.2%
- Utility Equipment- 24.6%
- Vehicle- 0.0%

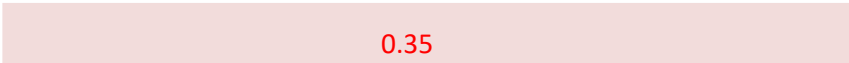
9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 26.23

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.16

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** SOUTH PARK
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 1412 Fairdale Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SP1114
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Farmers Ln, South Park Rd, & Minor Ln - NE & S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 526
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 10/12/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 1.4%
- Non-Company- 0.0%
- Other/Unknown- 0.1%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.7%
- Utility Equipment- 0.0%
- Vehicle- 97.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 248.84

10.) **2020 SAIDI** 683.02

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.30

12.) **2020 SAIFI** 0.97

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1184
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Romania Dr, Meyers Ln, & Blanton Ln - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 16.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,269
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/10/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.0%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 1.0%
- Overload- 0.0%
- Planned Work- 23.6%
- Trees- 7.7%
- Utility Equipment- 17.2%
- Vehicle- 48.4%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 125.47

10.) **2020 SAIDI** 113.41

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.15

12.) **2020 SAIFI** 1.38

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor









- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1191
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gagel Ave, Manslick Rd, & Parkwood Rd - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 17.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,352
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/03/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.4%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.1%
- Other/Unknown- 95.0%
- Overload- 0.0%
- Planned Work- 1.2%
- Trees- 0.6%
- Utility Equipment- 2.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 51.73

10.) **2020 SAIDI** 146.71

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.31

12.) **2020 SAIFI** 0.58

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** STEWART
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4701 Stewart Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SW1451
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Gagel Ave, Hazelwood Ave, Manslick Rd, & Brick Kiln Ln - E & SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 38
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 12/02/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 6.7%
- Trees- 64.7%
- Utility Equipment- 15.6%
- Vehicle- 13.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 193.56

10.) **2020 SAIDI** 801.90

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.51

12.) **2020 SAIFI** 4.16

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1250
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Vaughn Mill Rd, Outer Loop & Fegenbush Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 28.3
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,035
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 3.6%
- Construction- 1.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 24.8%
- Overload- 0.0%
- Planned Work- 15.7%
- Trees- 4.9%
- Utility Equipment- 49.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 46.04

10.) **2020 SAIDI** 26.80

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.48

12.) **2020 SAIFI** 0.62

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

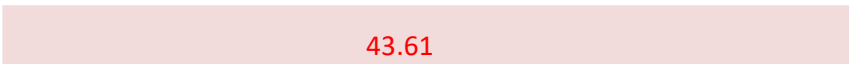
- 1.) **SUBSTATION NAME AND NUMBER** SMYRNA
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 7000 Manslick Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** SY1255
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Manslick Rd, Beulah Church Rd, & Fegenbush Ln - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 32.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,740
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 05/05/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 7.9%
- Construction- 0.0%
- Lightning- 3.9%
- Non-Company- 0.0%
- Other/Unknown- 4.0%
- Overload- 0.7%
- Planned Work- 3.1%
- Trees- 0.0%
- Utility Equipment- 80.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 31.33

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.47

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1105
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd & Springcrest Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,477
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/02/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.5%
- Overload- 0.0%
- Planned Work- 2.8%
- Trees- 2.5%
- Utility Equipment- 13.3%
- Vehicle- 76.1%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 134.18

10.) **2020 SAIDI** 139.08

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.17

12.) **2020 SAIFI** 1.03

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Completed in 2020



- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1106
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Blankenbaker Ln, Riviera Dr, & Woodside Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 40.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,210
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 04/18/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 8.5%
- Construction- 0.0%
- Lightning- 1.2%
- Non-Company- 0.0%
- Other/Unknown- 47.3%
- Overload- 0.0%
- Planned Work- 0.9%
- Trees- 28.2%
- Utility Equipment- 13.9%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 151.21

10.) **2020 SAIDI** 70.02

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.47

12.) **2020 SAIFI** 1.47

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Trees Trimmed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1130
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hubbards Ln, Shelbyville Rd, & Browns Ln - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 14.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,742
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 11/03/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 4.2%
- Overload- 0.0%
- Planned Work- 4.4%
- Trees- 80.8%
- Utility Equipment- 10.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 131.85

10.) **2020 SAIDI** 152.03

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.63

12.) **2020 SAIFI** 1.54

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Reliability Improvements Completed in 2020

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1138
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd, Chenoweth Ln, Canoe Ln, & Wampum Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 11.9
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 571
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/06/2018

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.5%
- Construction- 0.0%
- Lightning- 0.1%
- Non-Company- 0.0%
- Other/Unknown- 13.0%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 32.6%
- Utility Equipment- 53.4%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 188.51

10.) **2020 SAIDI** 265.33

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.18

12.) **2020 SAIFI** 1.77

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1172
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Chenoweth Ln, Cherrywood Rd, & Washington Sq - SW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,117
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 01/26/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.9%
- Construction- 38.6%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 15.6%
- Overload- 0.0%
- Planned Work- 0.7%
- Trees- 20.4%
- Utility Equipment- 21.7%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 118.25

10.) **2020 SAIDI**

144.42

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.84

12.) **2020 SAIFI**

1.85

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TAYLOR
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 4488 Brownsboro Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TA1173
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Hubbards Ln, Rudy Ln, Massie Ave, & Westport Rd - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 25.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,970
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/16/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.3%
- Construction- 1.1%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 5.6%
- Overload- 0.0%
- Planned Work- 0.5%
- Trees- 66.5%
- Utility Equipment- 26.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 160.81

10.) **2020 SAIDI**

323.12

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 1.68

12.) **2020 SAIFI**

3.46

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor





- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1244
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Terry Rd, Johnsonstown Rd, & Dixie Hwy - S of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 19.5
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,852
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.7%
- Overload- 0.0%
- Planned Work- 20.8%
- Trees- 0.3%
- Utility Equipment- 77.5%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 21.55

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.38

12.) **2020 SAIFI** 0.20

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1245
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Pages Ln, Poinsettia Dr, Greenwood Rd, & Feyhurst Dr - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 23.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,344
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/12/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 11.9%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 25.9%
- Trees- 1.3%
- Utility Equipment- 33.6%
- Vehicle- 27.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.61

10.) **2020 SAIDI**

40.75

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.35

12.) **2020 SAIFI**

0.81

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1247
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Cane Run Rd - W of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 7.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 363
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 1.7%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 3.3%
- Vehicle- 94.9%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 25.93

10.) **2020 SAIDI** 32.70

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.64

12.) **2020 SAIFI** 1.04

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** TERRY
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 8408 Terry Ln. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** TE1248
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Greenbelt Hwy, Greenwood Rd, & Cane Run Rd - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 10.7
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 606
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 09/19/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 2.7%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 17.4%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.3%
- Vehicle- 79.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 98.75

10.) **2020 SAIDI** 182.28

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.66

12.) **2020 SAIFI** 0.52

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** Tip Top
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Meade - US 60 - Tip Top
- 3.) **CIRCUIT NAME AND NUMBER** TT3314
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Tip Top - Chaffee Ave, Gold Vault Rd, & 5th Ave - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 6.4
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/15/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 100.0%
- Overload- 0.0%
- Planned Work- 0.0%
- Trees- 0.0%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 1649.01

10.) **2020 SAIDI** 8232.82

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.40

12.) **2020 SAIFI** 1.00

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** VERMONT
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - Rear 529 Southwestern Pkwy - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** VE0002
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - River Park Dr, 44th, 43rd, & 42nd St - SE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 1.2
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 305
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 03/21/2020

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 0.0%
- Overload- 0.0%
- Planned Work- 28.7%
- Trees- 20.8%
- Utility Equipment- 0.0%
- Vehicle- 50.6%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 22.83

10.) **2020 SAIDI** 60.58

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.21

12.) **2020 SAIFI** 0.35

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor

- 1.) **SUBSTATION NAME AND NUMBER** WESTERN
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 2807 W Broadway - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WE0001
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - 28th St, Chestnut St, 26th St, & Muhammad Ali Blvd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 5.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 811
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 02/23/2019

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 6.5%
- Lightning- 0.0%
- Non-Company- 47.9%
- Other/Unknown- 5.3%
- Overload- 0.0%
- Planned Work- 1.8%
- Trees- 29.5%
- Utility Equipment- 1.1%
- Vehicle- 8.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 19.29

10.) **2020 SAIDI**



11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.17

12.) **2020 SAIFI**



13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor









- 1.) **SUBSTATION NAME AND NUMBER** WORTHINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10300 Ballardsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WO1179
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Chamberlain Ln - NW of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 26.1
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,103
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/01/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 70.1%
- Overload- 0.0%
- Planned Work- 0.2%
- Trees- 29.7%
- Utility Equipment- 0.0%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 42.12

10.) **2020 SAIDI** 161.85

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.30

12.) **2020 SAIFI** 1.02

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021





- 1.) **SUBSTATION NAME AND NUMBER** WORTHINGTON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 10300 Ballardsville Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WO1184
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Brownsboro Rd & Worthington Ln - N of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 33.6
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,557
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/18/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 38.0%
- Non-Company- 1.3%
- Other/Unknown- 12.7%
- Overload- 0.0%
- Planned Work- 24.7%
- Trees- 0.0%
- Utility Equipment- 23.3%
- Vehicle- 0.0%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 16.47

10.) **2020 SAIDI**

61.35

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)**

0.14

12.) **2020 SAIFI**

0.60

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



- 1.) **SUBSTATION NAME AND NUMBER** WATTERSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1154
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Walt Lee Rd, Fairground Rd, Billtown Rd, & Easum Rd - E of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 20.0
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 2,830
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 08/05/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.6%
- Construction- 0.2%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 30.5%
- Overload- 0.0%
- Planned Work- 6.0%
- Trees- 32.9%
- Utility Equipment- 14.7%
- Vehicle- 15.2%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 43.83

10.) **2020 SAIDI** 76.12

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.57

12.) **2020 SAIFI** 1.32

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Tree Trim Scheduled for 2021

- 1.) **SUBSTATION NAME AND NUMBER** WATTERSON
- 2.) **SUBSTATION LOCATION (COUNTY-ROAD-TOWN)** Jefferson - 5239 Bardstown Rd. - Louisville
- 3.) **CIRCUIT NAME AND NUMBER** WT1209
- 4.) **CIRCUIT LOCATION (COUNTY-ROAD-TOWN)** Louisville - Laverne Dr, Watterson Trl, & Dell Rd - NE of Substation
- 5.) **TOTAL CIRCUIT LENGTH (MILES)** 9.8
- 6.) **CUSTOMER COUNT FOR THIS CIRCUIT** 1,517
- 7.) **DATE OF LAST CIRCUIT TRIM (VM)** 07/29/2017

8.) **2020 OUTAGES BY CAUSE**

- Animal- 0.0%
- Construction- 0.0%
- Lightning- 0.0%
- Non-Company- 0.0%
- Other/Unknown- 9.7%
- Overload- 0.0%
- Planned Work- 18.9%
- Trees- 14.2%
- Utility Equipment- 54.9%
- Vehicle- 2.3%

9.) **CIRCUIT 5 YEAR AVERAGE (SAIDI)** 30.35

10.) **2020 SAIDI** 28.84

11.) **CIRCUIT 5 YEAR AVERAGE (SAIFI)** 0.24

12.) **2020 SAIFI** 0.28

13.) **LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN**

Continue to Monitor



**KENTUCKY PUBLIC SERVICE COMMISSION****ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT****SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW**

The Companies' Vegetation Management Plan was submitted December 19, 2007. The Distribution Vegetation Management Program encompasses right of way maintenance for Louisville Gas and Electric Company and Kentucky Utilities Company (referred to as the "Companies"). The program is centralized and managed by a Forestry Manager and eight company Utility Arborists. All are certified arborists by the International Society of Arboriculture.

The Companies' plan is to maintain a proactive trim cycle while balancing the reactive needs of worst performing circuits. The Companies' goal is to maintain an average trim cycle of five years or less. The effectiveness of the plan is evaluated by the cycle and system performance as measured by system SAIDI, SAIFI, and CAIDI.

**Effectiveness of the program**

KU/LG&E Tree Cycle – 4.90 years

LGE Tree SAIDI – 21.13 minutes

LGE Tree SAIFI – 0.115

LGE Tree CAIDI – 183.9 minutes

The hazard tree program, mid cycle, herbicide, and worst performing circuits were completed as planned.

**Adjustments made to the tree plan in 2020 included**

No changes made to plan.

**Changes to be implemented in 2021**

No changes made to plan. Continue targeted hazard tree and mid-cycle trim work.

**SECTION 7: UTILITY COMMENTS**

SAIDI and SAIFI improved in 2020 compared to the previous 5 year average including and excluding major events. 215 Circuits were above their previous 5 year average SAIDI and/or SAIFI in 2020.

**KENTUCKY UTILITIES COMPANY AND  
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Joint Intervenors' Second Supplemental Requests  
Mountain Association, Kentuckians for the Commonwealth, Kentucky Solar Energy  
Society and Metropolitan Housing Coalition's Request for Information  
Dated July 22, 2021**

**Case No. 2020-00349 / Case No. 2020-00350**

**Question No. 11**

**Responding Witness: David S. Sinclair**

Q-11.

1. Identify the Utility Discount Rate the Companies propose to use in the avoided cost calculations. Provide all data, analysis, and references used to determine that this is a reasonable and appropriate discount rate.
2. Identify the Environmental Discount Rate the Companies propose to use in their Avoided Carbon Cost and Avoided Environmental Compliance Cost calculations. Provide all data, analysis, and references used to determine that this is a reasonable and appropriate environmental discount rate.
3. Identify the Companies' reserve margin target and current reserve margin.

A-11.

1. The Companies propose to use the same discount rate for avoided cost calculations as they use for discounting other revenue requirements. The discount rate used in Supplemental Exhibits DSS-1 and DSS-2 was 6.75%.
2. Avoided carbon and environmental costs are reflected in the Companies' avoided energy and capacity costs. See the response to part 1.
3. The Companies' target summer reserve margin range is 17 percent to 25 percent. The 2021 planning summer reserve margin is 24.2%, which reflects the retirement of Paddy's Run Unit 11 on March 31, 2021.

**KENTUCKY UTILITIES COMPANY AND  
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Joint Intervenors' Second Supplemental Requests  
Mountain Association, Kentuckians for the Commonwealth, Kentucky Solar Energy  
Society and Metropolitan Housing Coalition's Request for Information  
Dated July 22, 2021**

**Case No. 2020-00349 / Case No. 2020-00350**

**Question No. 12**

**Responding Witness: David S. Sinclair**

Q-12. On p. 23 of his Supplemental Testimony (p.65 pdf), Mr. Seelye states:

“In no event should the energy cost and capacity value provided to customer-generators exceed the cost that the Companies would incur from purchasing power from a solar purchased power agreement.”

1. Is it the Companies' practice to negotiate power purchase agreements to secure the lowest price? Is the price paid for a PPA representative of the value of the resource to the Company or is it based on the lowest cost the Company is able to secure in the market at the time?
2. Is it the Companies' position that the price paid in a solar PPA represents the full value of the resource to the Company?
3. Please provide any documentation or analysis conducted to support the proposition that in negotiating the prices for a solar PPA the Companies seek to assure that the vendor is compensated for the full value of the purchased power to the utility and its customers.

A-12.

1. Because the Companies have an obligation to provide safe and reliable service at the lowest reasonable cost, it is their practice to seek the lowest PPA prices they can negotiate with reliable, reputable vendors.
2. No. If a PPA is not lower cost than the costs the Companies would otherwise incur to provide comparable service to their customers, then the Companies do not enter into the PPA. In other words, the Companies do not seek to determine their potentially avoidable costs and then seek to pay that full amount under a PPA; rather, they seek to negotiate a lower price for customers' benefit.

3. No such documentation exists. In negotiating PPAs, the Companies do not seek to pay “full value,” but rather the lowest price consistent with providing safe and reliable service to their customers.