



Stephanie A. Cuello
SENIOR COUNSEL

February 28, 2025

VIA ELECTRONIC FILING

Adam J. Teitzman, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: *2024 Annual Service Reliability Report; Undocketed*

Dear Mr. Teitzman:

Please find attached for electronic filing on behalf of Duke Energy Florida, LLC ("DEF"), its 2024 Annual Service Reliability Report. DEF also provided two (2) hard copies and two (2) CDs of its Annual Service Reliability Report to the Division of Engineering.

Thank you for your assistance in this matter and if you have any questions, please feel free to contact me at (850) 521-1425.

Sincerely,

/s/ Stephanie A. Cuello

Stephanie A. Cuello

SAC/clg
Attachments

cc: Tom Ballinger, Director and Penny Buys, Division of Engineering



2024 Annual Service Reliability Report

February 28, 2025

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2024 Year End Customers Served by Region

Zone/Regions	3 Char OP	Op Center	Cust Served	Date
NORTH CENTRAL	APK	AOPKA	113,591	12/31/2024
	DEL	DELAND	91,993	12/31/2024
	JAM	JAMESTOWN	146,592	12/31/2024
	LNG	LONGWOOD	95,823	12/31/2024
			447,999	
NORTH COASTAL	INV	INVERNESS	86,402	12/31/2024
	MON	MONTICELLO	60,057	12/31/2024
	OCA	OCALA	94,833	12/31/2024
	SEV	SEVEN SPRINGS	205,215	12/31/2024
	ZEP	ZEPHYRHILLS	30,049	12/31/2024
			476,556	
SOUTH CENTRAL	BNV	BUENA VISTA	159,457	12/31/2024
	CLR	CLERMONT	43,620	12/31/2024
	HIL	HIGHLANDS	58,251	12/31/2024
	LKW	LAKE WALES	150,293	12/31/2024
	SEO	SE ORLANDO	102,638	12/31/2024
	WGN	WINTER GARDEN	91,074	12/31/2024
			605,333	
SOUTH COASTAL	CLW	CLEARWATER	148,388	12/31/2024
	STP	ST. PETERSBURG	182,649	12/31/2024
	WAL	WALSINGHAM	155,282	12/31/2024
			486,319	
SYSTEM			2,016,207	

I. OVERALL RELIABILITY PERFORMANCE – 2024 (Rule 25-6.0455, F.A.C.)

a. Discuss overall performance absent adjustments

In 2024, Duke Energy Florida experienced 5 different tornados and an EOC activation in addition to Hurricanes Debby, Helene, and Milton. Prior to hurricane season, a significant squall line on January 9th initiated a system-wide EOC activation and accounted for 2.41 SAIDI minutes, and two (2) tornadoes, on February 4th and May 10th, resulted in 0.005 SAIDI minutes and 3.14 SAIDI minutes, respectively. During hurricane season, there were three (3) tornadoes, on June 6th, June 16th and August 28th, that resulted in 0.09 SAIDI minutes, 0.0002 SAIDI minutes, and 0.09 SAIDI minutes, respectively. From August 4th to August 7th, DEF experienced the impacts of Hurricane Debby which accounted for 70.71 SAIDI minutes. From September 25th to October 5th, DEF experienced the impacts of Hurricane Helene which accounted for 453.16 SAIDI minutes. From October 9th to October 16th, DEF experienced the impacts of Hurricane Milton which accounted for 1,576.01 SAIDI minutes.

Year	2019	2020	2021	2022	2023	2024
Weather Excluded SAIDI	3.2	21.0	5.4	780.2	94.4	2105.6

In 2024, Duke Energy was significantly impacted by weather events that qualified for exclusions, increasing DEF's unadjusted SAIDI to 690% above the prior 5-year average of 277 SAIDI minutes, primarily due to Hurricanes Debby, Helene, and Milton. While direct impacts from large storms were devastating in 2024, DEF continues to make improvements to the distribution and transmission grid to prepare the system for these types of events, including the programs within DEF's Storm Protection Plan.

Year	2019	2020	2021	2022	2023	2024
Reported SAIDI	111.3	124.8	95.5	879.9	174.3	2190.1

b. Describe the level of detailed reliability data the Company tracks.

The company tracks detailed reliability information in various databases. This detailed data is recorded per event, which includes affected device, time of day, length of outage, cause of outage, number of customers affected and other pertinent information.

c. Describe Company efforts to increase critical review of detailed reliability data.

For internal business goal reporting DEF continues to use IEEE 1366, which is the industry standard for Reliability measurement and trending. DEF's 2024 results reflect catastrophic exclusion treatment for Hurricanes Helene and Milton, as defined section 6.3 of IEEE 1366. DEF will continue tracking PSC indices which are reported at year-end.

DEF continued the practice of auditing outage data to ensure accuracy and is now using Enhanced Outage History Solution (EOHS) as a platform which allows outage data to be captured in greater detail.

In 2024, DEF conducted analysis and reviewed reliability data that met certain operational thresholds to reduce the number of outages and momentary interruptions. DEF continues to deploy grid improvements to reduce the number of momentary interruptions, but DEF customers saw an increase in 2024 due to the significant weather season. From 2023 to 2024, DEF saw a 50% increase in the number of MAIFle events.

d. Describe the process used by your company to identify and select the level of detailed reliability data.

Customer feedback, benchmarking with other utilities, input from the FPSC, performance of assets, and trends are all considered when identifying the level of detailed reliability data.

e. Discuss adjustments

- i. Generation events – see pages 10.
- ii. Transmission events – see page 12.
- iii. Extreme weather – see page 13.
- iv. Other Distribution events – see page 15.

f. Discuss adjusted performance.

For the 2024 adjusted performance results, please see pages 16-23.

FLORIDA PUBLIC SERVICE COMMISSION ANNUAL DISTRIBUTION SERVICE RELIABILITY REPORT – ACTUAL

PART I

CAUSES OF OUTAGE EVENTS – ACTUAL (Absent Adjustments)				
Utility Name: <u>Duke Energy Florida</u>			Year: 2024	
Cause (a)	Customer Minutes Of Interruption	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
1. Animals	5,356,779	3,157	104.6	76.1
2. Vegetation	837,028,671	15,955	1,007.6	920.9
3. Lightning	22,415,609	3,291	283.8	202.9
4. Other Weather	2,477,404,263	13,272	2,628.2	2,043.4
5. Vehicle	9,389,204	349	241.2	107.8
6. Defective Equipment	134,716,514	13,346	405.5	226.1
7. Unknown	864,795,933	18,816	1,063.3	1,441.4
Subtotal	4,351,106,973	68,186	1,139.9	1,213.6
All Other Causes *See Attached	64,525,493	10,283	184.6	83.9
System Totals	4,415,632,466	78,469	1,014.7	1,014.2

PSC/ECR 102 (8/06)

Incorporated by reference in Rule 25-6.0455, F.A.C.

CAUSES OF OUTAGE EVENTS – ACTUAL (Absent Adjustments)

Utility Name: Duke Energy Florida

Year: **2024**

Cause (a)	Customer Minutes Of Interruption	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Line Maintenance	12,152,814	7,782	153.6	166.8
Substation-Storm	7,483,044	31	1,416.8	450.7
U/G Primary Cable	7,170,951	689	411.9	137.8
Emergency Shutdown-PGN	6,877,565	379	127.2	37.7
Hot Line Tag (HLT)	6,856,360	127	50.5	37.0
Human Error-Public	4,415,704	813	207.0	98.3
Substation-Lightning	3,095,313	4	680.0	391.7
Transmission-Conductor/Static	3,067,065	9	424.4	235.4
Substation-Breaker Failure	1,852,220	29	64.7	42.2
Substation-Insulator Failure	1,732,814	1	3,077.0	1,238.6
Substation-Transformer Failure	1,611,691	8	232.2	104.8
Substation-Animal	1,507,559	20	70.7	44.2
Dig-In	1,248,823	90	235.5	70.5
Substation-Equip Misapplicatn	843,276	13	586.9	854.4
Improper Installation	834,712	6	184.9	342.4
Transmission-Vehicle	755,164	5	327.6	83.0
Construction Equipment	440,236	7	308.8	199.7
Human Error-PGN Contractor	393,846	33	147.7	57.7
Substation-Defective Equipment	326,265	6	90.9	123.1
Substation-Unknown	301,514	15	49.7	19.4
U/G Secondary/Service	287,918	82	788.2	617.8
Substation-Switch Failure	235,566	7	46.3	36.3
Foreign Material In Line	231,981	17	122.3	116.2
Substation-Potential Transfrm	178,076	2	33.3	33.3
U/G Service Cable	153,072	57	382.7	321.6
Substation-Bushing-Failure	131,367	3	24.2	22.0
Relay-Human Error-PGN	60,928	1	25.2	8.0
Human Error-PGN	54,595	1	179.3	179.0
Substation-Human Err- Contractr	53,838	3	10.7	11.5
Transmission-Defective Equip	44,894	4	23.2	18.0
Relay-Reclosing Relay Failure	42,130	6	14.7	9.3

CAUSES OF OUTAGE EVENTS – (Absent Adjustments)

Utility Name: Duke Energy Florida

Year: **2024**

All Other Causes	Customer Minutes Of Interruption	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Cause (a)				
O/H Secondary Cable	37,686	10	342.0	319.4
Overload	22,300	4	164.5	71.0
O/H Service Cable	10,437	10	302.9	274.7
Equipment Misapplication	6,873	2	78.2	79.9
Vandalism	3,154	1	166.1	166.0
Transmission-Customer Request	1,692	1	93.9	94.0
Transmission-Lightning	945	1	135.1	135.0
Substation-Planned Outage	700	1	350.7	350.0
Transmission-Miscellaneous	244	2	121.7	122.0
Miscellaneous	161	1	161.3	161.0
All Other Causes	64,525,493	10,283	184.6	83.9

PART II

THREE PERCENT FEEDER LIST - ACTUAL (UNADJUSTED)

Utility Name: Duke Energy Florida Year: 2024

Primary Circuit Id. No. or Name	Sub-station Origin	Location	NUMBER OF CUSTOMERS					Outage Events "N"	Avg Duration "L-Bar"	CAIDI	Listed Last Year? (I)	No. of Years in the Last 5	Corrective Action Completion Date
			Residential	Commercial	Industrial	Other	Total						
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)
A124	WILLISTON	Monticello	1,643	153	-	1	1,797	6	179.3	92.4	N	1	6/30/2025
A228	EAGLES NEST	Ocala	1,686	59	-	1	1,746	6	600.2	614.0	N	-	12/31/2025
A272	HOMOSASSA	Inverness	1,415	226	-	44	1,685	6	142.4	122.5	N	1	6/30/2025
A45	GEORGIA PACIFIC	Monticello	1,120	311	-	74	1,505	8	1,987.2	1,133.3	N	2	6/30/2025
A48	HOLDER	Inverness	1,874	198	2	8	2,082	5	775.8	1,031.3	N	-	12/31/2025
A98	BROOKSVILLE	Inverness	1,296	197	1	18	1,512	5	681.7	399.6	N	-	12/31/2025
C10	CLEARWATER	Clearwater	804	345	-	34	1,183	5	452.0	243.2	N	-	12/31/2025
C1005	BELLEAIR	Clearwater	2,360	107	-	3	2,470	5	4,573.6	349.4	N	-	12/31/2025
C12	CLEARWATER	Clearwater	985	253	-	27	1,265	6	2,157.0	418.1	N	-	12/31/2025
C14	CLEARWATER	Clearwater	752	103	-	13	868	4	2,724.0	4,737.6	N	-	12/31/2025
C18	CLEARWATER	Clearwater	1,909	158	1	10	2,078	6	930.8	960.6	N	-	12/31/2025
C4002	FLORA-MAR	Sevna Springs	2,169	187	1	20	2,377	9	7,821.9	4,398.4	N	-	12/31/2025
C5404	BROOKER CREEK	Sevna Springs	2,629	188	-	11	2,828	5	2,506.6	336.0	N	-	12/31/2025
C653	BAYVIEW	Clearwater	2,213	103	-	14	2,330	7	1,683.3	841.7	N	-	12/31/2025
C757	PALM HARBOR	Sevna Springs	1,970	61	-	7	2,038	5	307.1	333.0	N	-	12/31/2025
C900	EAST CLEARWATER	Clearwater	1,908	72	-	11	1,991	4	1,744.0	1,570.2	N	1	6/30/2025
J115	STARKEY ROAD	Walsingham	2,583	108	3	6	2,699	6	72.5	58.3	N	-	12/31/2025
J116	STARKEY ROAD	Walsingham	2,149	249	3	11	2,412	4	3,462.0	839.9	N	-	12/31/2025
J118	STARKEY ROAD	Walsingham	2,544	172	-	18	2,734	5	1,707.6	208.7	N	-	12/31/2025
J143	CROSS BAYOU	Walsingham	934	135	10	6	1,085	4	3,029.9	1,834.8	N	-	12/31/2025
J242	ULMERTON	Walsingham	1,727	597	42	10	2,376	6	407.0	65.6	N	-	6/30/2025
J2903	TAYLOR AVENUE	Walsingham	2,535	417	-	22	2,974	5	1,082.5	1,874.8	N	-	12/31/2025
J2905	TAYLOR AVENUE	Walsingham	881	165	1	4	1,051	5	3,736.4	1,316.5	N	-	12/31/2025
J2906	TAYLOR AVENUE	Walsingham	2,349	84	-	12	2,445	22	3,295.3	1,426.7	N	-	12/31/2025
J407	LARGO	Clearwater	2,217	175	-	18	2,410	4	2,176.0	1,459.5	N	-	12/31/2025
J893	SEMINOLE	Walsingham	1,361	108	8	6	1,483	4	2,091.5	1,444.7	N	-	12/31/2025
K1687	DDNER LAKE	Highlands	634	73	-	12	719	5	580.4	559.9	N	1	6/30/2025
K1688	DDNER LAKE	Highlands	752	168	2	45	967	6	1,344.2	1,041.5	N	1	6/30/2025
K966	INTERCESSION CITY PLANT	Lake Wales	596	66	-	7	669	9	3,426.0	442.2	N	-	12/31/2025
M337	CLARCONA	Winter Garden	1,317	77	-	14	1,408	5	113.8	162.1	N	-	12/31/2025
M445	BAY RIDGE	Apopka	1,518	247	1	15	1,781	4	585.0	528.3	Y	3	6/30/2025
M500	EUSTIS	Apopka	1,509	322	10	49	1,890	5	75.8	54.5	N	-	12/31/2025
M504	EUSTIS	Apopka	1,370	65	-	15	1,450	5	924.2	816.0	N	-	12/31/2025
M542	WELCH ROAD	Apopka	1,714	65	-	7	1,786	4	6,726.6	2,664.1	N	-	12/31/2025
M706	PLYMOUTH SOUTH	Apopka	784	90	5	21	900	5	591.5	959.7	N	-	12/31/2025
N2	MADISON	Monticello	693	257	2	36	988	5	4,369.6	2,985.9	N	-	12/31/2025
N3	MADISON	Monticello	1,358	232	-	44	1,634	6	1,933.3	1,367.9	N	-	12/31/2025
N64	WAUKEENAH	Monticello	569	152	2	11	734	9	2,813.8	1,142.7	N	-	12/31/2025
N66	MONTICELLO	Monticello	650	134	-	14	798	7	1,746.5	114.1	N	-	12/31/2025
N68	MONTICELLO	Monticello	342	109	2	8	361	8	1,182.6	831.3	Y	2	6/30/2025
W0034	DELEON SPRINGS	Deland	1,317	177	1	15	1,510	6	159.0	53.9	N	2	6/30/2025
X141	MAXIMO	St. Petersburg	2,300	174	-	15	2,489	6	1,590.2	500.7	N	2	6/30/2025

LBAR AND CAIDI Includes all devices.

PSC/ECR 102 (8/06)

Incorporated by reference in Rule 25-6.0455, F.A.C.

PART III

SYSTEM RELIABILITY INDICES – ACTUAL <u>(ABSENT ADJUSTMENTS)</u>					
Utility Name: Duke Energy Florida Year: 2024					
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI5 (f)
North Coastal	2234.28	847.66	2.64	3.2	10.53%
Inverness	1790.04	625.32	2.86	3.4	11.49%
Monticello	3181.40	825.13	3.86	3.4	25.37%
Ocala	1631.27	568.70	2.87	2.2	15.57%
Seven Springs	2133.44	1027.59	2.08	2.9	4.44%
Zephyrhills	4210.33	1598.47	2.63	7.1	3.84%
South Coastal	4813.84	1631.46	2.95	4.4	8.56%
Clearwater	4852.42	1478.52	3.28	6.7	11.21%
St. Petersburg	4756.87	1851.77	2.57	3.3	5.70%
Walsingham	4844.00	1571.14	3.08	3.4	9.41%
North Central	1114.96	648.44	1.72	1.6	3.99%
Apopka	1750.43	732.33	2.39	2.1	8.20%
Deland	1908.64	921.69	2.07	1.8	4.89%
Jamestown	380.70	344.74	1.10	1.2	1.66%
Longwood	723.00	473.15	1.53	1.4	1.67%
South Central	843.02	571.77	1.47	1.8	1.34%
Buena Vista	233.81	261.44	0.89	1.3	0.57%
Clermont	1408.18	869.26	1.62	2.5	1.52%
SE Orlando	1762.75	748.91	2.35	2.9	3.07%
Highlands	1394.28	774.81	1.80	2.9	2.35%
Lake Wales	290.18	234.44	1.24	1.1	0.57%
Winter Garden	764.05	481.11	1.59	0.7	0.73%
System	2190.07	1014.18	2.16	2.7	5.84%

GENERATION EVENTS – ADJUSTMENTS (Rule 25-6.0455 F.A.C.)

- a. Discuss each generation event that resulted in customer outages.**

There were no events to report for 2024.

- b. Address whether the event was localized or system wide.**

N/A

- c. Describe the Company's efforts to avoid or minimize any similar events in the future in terms of the level of costs incurred and outage duration.**

N/A

- d. Provide the 2024 service reliability data for each generation outage event that is excluded from your Company's 2024 Annual Distribution Reliability Report pursuant to Rule 25-6.0455**

Generation Event	N/A
C	N/A
CMI	N/A
CI	N/A
SAIDI	N/A
SAIFI	N/A

Please see attached Form 103.

PART I

<u>CAUSES OF OUTAGE EVENTS – ADJUSTED</u>			
Utility Name: Duke Energy Florida		Year: <u>2024</u>	
Cause (a)	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Generation	N/A	N/A	N/A
System Totals:	N/A	N/A	N/A

PSC/ECR 103 (8/06)
 Incorporated by reference in Rule 25-6.0455, F.A.C.

TRANSMISSION EVENTS – ADJUSTMENTS (Rule 25-6.0455, F.A.C.)

- a. Discuss each transmission event that resulted in customer outages.**

See Attachment A – “DEF Transmission Outages 2024 - Major Events Excluded.”

- b. Address whether the event was localized or system-wide.**

See Attachment A – “DEF Transmission Outages 2024 - Major Events Excluded.”

- c. Describe the Company’s efforts to avoid or minimize any similar events in the future in terms of the level of costs incurred and outage duration.**

Outages are reviewed and investigated by local transmission maintenance staff. The results from these investigations are looked at from a system-perspective by DEF’s Transmission Department Asset Management Group to determine if the failure is isolated or similar failures are occurring on another part of the system. When similar failures are noted on the system, further investigation is performed to determine if a solution should be implemented system-wide to remedy the problem. If a project is required, it is submitted for prioritization against other projects.

- d. Provide the 2024 service reliability data for each transmission outage event that is excluded from your Company’s 2024 Annual Distribution Reliability Report pursuant to Rule 25-6.0455.**

This information is reflected in Attachment B – “DEF Transmission Outages 2024 - Major Events Only.”

EXTREME WEATHER - EXCLUSIONS (Rule 25-6.0455, F.A.C.)

- a. Include in the discussion, the type of weather event, strength (wind speeds/surge-flood levels), locations affected, source of meteorological information and the performance of overhead and underground systems.

Distribution

Dates	Type of Weather Event	Strength (Wind Speeds/surge-flood levels)	Locations affected	Source of Meteorological Information	Performance of Overhead and Underground Systems
1/9/2024 0:00 AM to 1/9/2024 23:59 PM	EOC Activation	N/A	All Ops Centers	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
2/4/2024 13:00 PM to 2/4/2024 13:59 PM	Tornado	Unknown Wind Speed	Monticello	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
5/10/2024 06:00 AM to 5/10/2024 11:59 AM	Tornado	Unknown Wind Speed	Monticello	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
6/6/2024 - 18:00 PM to 6/6/2024 20:59 PM	Tornado	Unknown Wind Speed	Apopka	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
8/16/2024 - 17:00 PM to 8/16/2024 - 17:59 PM	Tornado	Unknown Wind Speed	Inverness	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
8/4/2024 - 06:00 AM to 8/7/2024 - 23:59 PM	Hurricane Debby	45 mph to 70 mph	All Ops Centers	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
8/28/2024 - 16:00 PM to 8/28/2024 - 20:59 PM	Tornado	Unknown Wind Speed	Seven Springs	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
9/25/2024 - 18:00 PM to 10/1/2024 23:59 PM	Hurricane Helene	135 mph	Apopka Buena Vista Clermont DeLand Highlands Inverness Jamestown Lake Wales Longwood Monticello Ocala SE Orlando Seven Springs Winter Garden Zephyrhills	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
9/25/2024 - 18:00 PM to 10/5/2024 23:59 PM	Hurricane Helene	135 mph	Clearwater St. Petersburg Walsingham	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
10/9/2024 - 07:00 AM to 10/16/2024 20:59 PM	Hurricane Milton	120 mph	All Ops Centers	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report

Transmission

This information is reflected in Attachment B – “DEF Transmission Outages 2024 - Major Events Only.”

- b. Describe the Company's efforts to avoid or minimize in terms of costs incurred and outage duration any similar events in the future (Example: Reference specific storm hardening activity).

Distribution

These efforts are addressed in DEF's most currently approved Storm Protection Plan filed in docket number 20220050-EI.

Transmission

These efforts are addressed in DEF's most currently approved Storm Protection Plan filed in docket number 20220050-EI.

- c. If the method of deriving the weather exclusion is different from the method used for 2017, please explain the changes and provide the CMI and CI for 2024 using the prior method.

For Distribution & Transmission – The same exclusion method has been used for years 2017 through 2024.

- d. Provide the 2024 service reliability data for each transmission outage event that is excluded from your Company's 2024 Annual Distribution Reliability Report pursuant to Rule 25-6.0455.

Distribution

Dates	Overhead vs. Underground	C	CMI	CI	Duration	L-Bar	N
1/9/2024 0:00 AM to 1/9/2024 23:59 PM	OH	2,016,207	4,833,329	55,496	128,245	227.4	564
	UG		25,178	280	8,342	166.8	50
2/4/2024 13:00 PM to 2/4/2024 13:59 PM	OH	60,057	9,458	41	2,063	412.6	5
	UG		-	-	-	-	-
5/10/2024 06:00 AM to 5/10/2024 11:59 AM	OH	60,057	6,322,049	14,499	139,585	856.3	163
	UG		2,118	3	2,118	706.0	3
6/6/2024 - 18:00 PM to 6/6/2024 20:59 PM	OH	113,591	165,446	844	2,246	320.9	7
	UG		22,786	70	926	308.5	3
6/16/2024 - 17:00 PM to 6/16/2024 - 17:59 PM	OH	86,402	458	4	193	96.4	2
	UG		-	-	-	-	-
8/4/2024 - 06:00 AM to 8/7/2024 - 23:59 PM	OH	2,016,207	141,197,346	252,700	3,196,635	938.0	3,408
	UG		1,371,151	3,738	186,546	563.6	331
8/28/2024 - 16:00 PM to 8/28/2024 - 20:59 PM	OH	205,215	171,499	1,607	5,994	239.7	25
	UG		13,148	48	1,121	280.2	4
9/25/2024 - 18:00 PM to 10/1/2024 23:59 PM	OH	1,529,888	361,886,727	336,206	6,877,027	1,449.6	4,744
	UG		2,538,621	2,964	465,964	935.7	498
9/25/2024 - 18:00 PM to 10/5/2024 23:59 PM	OH	486,319	504,967,981	296,934	9,398,140	2,542.1	3,697
	UG		44,268,232	15,107	1,746,309	2,925.1	597
10/9/2024 - 07:00 AM to 10/16/2024 20:59 PM	OH	2,016,207	3,114,223,293	1,249,445	44,402,119	3,019.7	14,704
	UG		63,346,185	28,818	4,244,832	2,021.3	2,100

Transmission

This information is reflected in Attachment B – “DEF Transmission Outages 2024 - Major Events Only.”

OTHER DISTRIBUTION – ADJUSTMENTS (Rule 25-6.0455, F.A.C.)

- a. Discuss the causation of each type of distribution event that resulted in customer complaints.**

Since Duke Energy Florida has not taken other causations as exclusions for any events in 2024, DEF has no information to report in this section.

- b. Describe the Company's efforts to avoid or minimize any similar events in the future in terms of the level of costs incurred and outage duration.**

Since Duke Energy Florida has not taken other causations as exclusions for any events in 2024, DEF has no information to report in this section.

- c. Provide the 2024 service reliability data for each distribution outage event that is excluded from your Company's 2024 Annual Distribution Reliability Report pursuant to Rule 25-6.0455**

- i. A table
- ii. Electronic file
- iii. Causation, Date, CMI, CI Total Repair Cost, etc.

Since Duke Energy Florida has not taken other causations as exclusions for any events in 2024, DEF has no information to report in this section.

2024 ADJUSTED RELIABILITY (Rule 25-6.0455, F.A.C.)

Duke Energy Florida's (DEF) 2024 annual adjusted SAIDI was 69.9, a 1.4% decrease from SAIDI observed in 2023. The primary driver for 2024 outages was related to defective equipment, which saw a 9.8% decrease from 2023 to 2024. Additionally, DEF observed a 0.2% increase in vegetation related outages and a 26.7% decrease in weather related outages, which can be attributed to the extremely active storm season which drove a higher number of exclusions.

There were 4 days in 2024 that totaled more than 1.0 SAIDI minute each. April 3rd (1.04 SAIDI) and April 11th (1.33 SAIDI) were primarily driven by non-preventable tree related outages, May 14th (1.44 SAIDI) was primarily driven by storm related outages, and June 6th (1.05 SAIDI) was primarily driven by defective equipment related outages.

In 2024, the overall impact to DEF from extreme weather such as tornados and named storms was higher than the previous 5-year average. The DEF system experienced five tornados, an EOC activation, Hurricane Debby, Hurricane Helene, and Hurricane Milton. DEF has seen an improvement in SAIDI of 15%, an 8% improvement in SAIFI, a 7% better performance in CAIDI, a 79% reduction in MAIFIE, and 20% progress in CEMI5 over the last half decade. This includes record lows for multiple metrics, including SAIDI, SAIFI, and MAIFIE. This performance is attributed to DEF's efforts to focus on minimizing outages through enhancements in the grid and operational excellence.

Year	2019	2020	2021	2022	2023	2024
Adjusted SAIDI	90.5	87.9	75.3	85.2	70.9	69.9
Year	2019	2020	2021	2022	2023	2024
Adjusted SAIFI	0.97	0.94	0.84	0.93	0.86	0.83

a. Causes of outages events – see attached forms.

i. 5-yr patterns/trends in outage causation for each of the top 10 causes of outage events, including the frequency, duration, restoration time, cost incurred to restore service, remediation programs and costs.

- See Attachment D - "5 yr Trend by Cause Code" Spreadsheet for 2020 – 2024.

ii. The process used to identify and select the actions to improve the performance in each of the top 10 causes of outages.

DEF prioritizes the reliability improvement action plan by balancing historical and current year performance. System devices are evaluated based on the number of interruptions, customers interrupted (CI), and customer minutes of interruption (CMI). In addition, current year performance is monitored monthly to identify emergent and seasonal issues including load balancing for cold weather and the need for foot patrols of devices experiencing multiple interruptions.

iii. 2025 activities and budget levels addressing each of the 10 causes of service outage.

- See Attachment E - “2025 Program Budget” Spreadsheet.

b. Three percent Feeder list

i. Identify whether any feeders appear on the 3% listing more than once within a consecutive 5-yr. period and any actions implemented to improve feeder performance.

Feeder A272:

- DEF Infrared scanned main feeder A272 in 2022. No hotspots were found. DEF will infrared scan and perform additional patrols to main feeder of A272 in 2025.
- A272 experienced three feeder level outages in 2024. One outage was caused by defective equipment, one was caused by a storm, and one occurred during Hot-Line Tag (HLT). The defective equipment event occurred when a fuse failed to open, and the feeder had to be dropped so the fuse could be opened safely for repairs. The feeder maintenance called for the automation in reclosing devices along the feeder to be set in non-reclose mode for Line Tech safety, a configuration known as a HLT on the feeder.
- A272 is being rebuilt to the Storm Protection Plan under the Feeder Hardening (FH) program.
- SOG Team was deployed on feeder A272 in 2022.
- DEF completed backbone trimming in 2023. A272 is planned to have the backbone trees trimmed again in 2026 and lateral trees trimmed in 2025.
- Operations techs will continue to analyze feeder and perform an in-depth patrol to identify operational issues and initiate mitigation actions.

Feeder N68:

- DEF Infrared scanned main feeder N68 in 2024. No hotspots were found. DEF will infrared scan and perform additional patrols to main feeder of N68 in 2025.
- N68 experienced three feeder level outages in 2024. Two outages were caused by non-preventable tree damage and one was caused by a storm. The non-preventable tree events occurred due to fallen tree limbs and the storm-related event was due to excessive flooding.
- SOG Team on feeder N68 is targeted for deployment in 2026.
- DEF completed backbone tree trimming in 2024. N68 is planned to have the backbone trees trimmed in 2027 and the lateral trees trimmed in 2025.
- Operations techs will continue to analyze feeder and perform an in-depth patrol to identify operational issues and initiate mitigation actions.

Feeder W0902:

- DEF Infrared scanned main feeder W0902 in 2022. One hotspot was found on an A-phase switch and the switch was replaced in 2022. DEF will infrared scan and perform additional patrols to main feeder of W0902 in 2025.
- W0902 experienced three feeder level outages in 2024. One outage was caused by a defective equipment, and two by non-preventable tree damage. The defective equipment event occurred when a hydraulic recloser caused a pole to catch fire, resulting in an emergency drop of the feeder.
- SOG on feeder W0902 is targeted for segmentation, in 2026.
- DEF completed backbone tree trimming in 2022 and lateral tree trimming in 2023. W0902 is planned to have the backbone trimmed in 2025 and laterals trimmed in 2028.
- Operations techs will continue to analyze feeder and perform an in-depth patrol to identify operational issues and initiate mitigation actions.

ii. The process used to identify and select the actions to improve the performance of feeders in the 3% feeder list, if any.

DEF prioritizes the reliability improvement action plan for 3% Feeder List by balancing historical and current year performance. Feeders are evaluated based on the number of interruptions, customers interrupted (CI), and customer minutes of interruption (CMI). In addition, current year performance is monitored monthly to identify emergent and seasonal issues including load balancing for cold weather and the need for foot patrols of feeders experiencing multiple interruptions.

iii. 2024 activities and budget levels directed at improving feeder performance.

Feeders are prioritized for maintenance and replacement work based on several criteria including customer minutes of interruption (CMI), number of interruptions, interruption cause code, and CEMI repeat outage performance. This process results in a work plan targeted at feeders and devices with the greatest impact on reliability indices and customer satisfaction. This process has resulted in consistent and sustained reliability performance.

The 3% feeder list is based solely on number of feeder interruptions and does not take into consideration any of the additional criteria above. While all feeders on the 3% list are patrolled for corrective action, the possibility exists that they could appear on the list more than once due to their relative impact on system reliability indices.

For the 2025 budget levels, please see Attachment E - “2025 Program Budget” Spreadsheet.

c. Regional Reliability Indices – see attached forms.

i. 5-Yr. patterns/trends in each region’s reliability for each index and on any overall basis.

- See Attachment F - “5 yr Sum by Region” Spreadsheet.

ii. The process used to identify and select actions to improve the regional reliability trends.

- Regional reliability trends are tracked to ensure alignment with the system level goals they support. Specific device level improvements are measured and prioritized at a system level to ensure maximum benefit for resources expended.

iii. Discuss any 2025 projected activities and budget levels directed at improving regional reliability performance.

- See Attachment E - “2025 Program Budget” Spreadsheet. Regional reliability trends are tracked to ensure alignment with the system level goals they support. Specific device level improvements are measured and prioritized at a system level to ensure maximum benefit for resources expended.
- DEF is continuing to install Self-Healing Teams. This system segments the distribution grid to minimize the number of customers affected by a fault. The SCADA communication between the devices and the DEF Distribution Control Center (DCC), allows automatic remote sectionalization to further reduce the number and duration of the outages. DEF currently has 204 teams installed, which involves 892 circuits and 1,566,111 customers (nearly 78% of total DEF customers). In 2025, DEF will continue to install Self-Healing Teams across its service territory.
- In 2024, DEF conducted analysis and reviewed reliability data that meets certain operational thresholds to reduce the number of outages and momentary interruptions. From 2023 to 2024, DEF had a 43% reduction in MAIFIE, and the 5-year trend in MAIFIE is downward.
- DEF began its Storm Protection Plan in 2021 beginning with the Feeder Hardening Program in distribution. The Feeder Hardening program will enable the feeder backbone to better withstand extreme weather events. This includes strengthening structures, updating basic insulation level (“BIL”) to current standards, updating conductors to current standards, relocating difficult to access facilities, relocating or undergrounding facilities to address clearance encroachments, replacing oil filled equipment as appropriate, and incorporates the Company’s pole inspection and replacement activities.
- DEF began its Lateral Hardening Program as part of the Storm Protection Plan in 2022. Lateral Hardening is a long-term Program that will systematically upgrade and harden branch line sections fed by the feeder backbone. There will be two main approaches, undergrounding and overhead hardening. The Lateral Hardening Program will enable branch lines to better withstand extreme weather events. This will include undergrounding of the laterals most prone to damage during extreme weather events and overhead hardening of those laterals less prone to damage.

FLORIDA PUBLIC SERVICE COMMISSION
ANNUAL DISTRIBUTION SERVICE RELIABILITY REPORT – ADJUSTED
Top Ten Outage Causes: Form PSC/ECR 102-1(a) (8/06) and Form
PSC/ECR 102-1(b) (8/06)

PART I

CAUSES OF OUTAGE EVENTS – <u>ADJUSTED</u>				
Utility Name: Duke Energy Florida			Year: 2024	
Cause** (a)	Customer Minutes Of Interruption	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
1.) Animals	4,663,798	3,041	91.4	68.9
2.) Vegetation	36,301,724	7,810	177.5	99.9
3.) Lightning	9,358,891	2,898	164.1	110.6
4.) Other Weather	7,295,279	1,611	267.1	94.6
5.) Vehicle	8,865,924	343	240.1	105.4
6.) Defective Equipment	41,005,086	11,253	226.2	81.6
7.) Unknown	13,231,888	10,501	178.2	69.3
Subtotal	120,722,590	37,457	188.7	88.1
All Other Causes	20,247,893	1,877	284.4	65.5
*See attached				
System Totals:	140,970,483	39,334	193.3	83.9

PSC/ECR 103 (8/06)
 Incorporated by reference in Rule 25-6.0455, F.A.C

CAUSES OF OUTAGE EVENTS – ADJUSTED				
Utility Name: Duke Energy Florida			Year: 2024	
All Other Causes	Customer Minutes Of Interruption	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Cause (a)				
U/G Primary Cable	7,063,420	681	397.8	136.9
Hot Line Tag (HLT)	6,856,360	127	50.5	37.0
Human Error-Public	3,976,742	757	191.6	95.0
Dig-In	1,248,823	90	235.5	70.5
Human Error-PGN Contractor	393,846	33	147.7	57.7
Construction Equipment	189,156	5	172.7	99.5
U/G Service Cable	147,834	56	379.1	316.6
U/G Secondary/Service	146,346	79	689.0	335.7
Foreign Material In Line	63,653	15	49.1	46.2
Human Error-PGN	54,595	1	179.3	179.0
O/H Secondary Cable	37,686	10	342.0	319.4
Improper Installation	26,507	5	53.9	41.4
Overload	22,300	4	164.5	71.0
O/H Service Cable	10,437	10	302.9	274.7
Equipment Misapplication	6,873	2	78.2	79.9
Vandalism	3,154	1	166.1	166.0
Miscellaneous	161	1	161.3	161.0
All Other Causes	20,247,893	1,877	284.4	65.5

PART II

THREE PERCENT FEEDER LIST - ACTUAL (ADJUSTED)														
Utility Name: DUKE ENERGY FLORIDA, INC. Year: 2024														
PRIMARY CIRCUIT ID. NO. OR NAME	SUBSTATION ORIGIN	LOCATION	NUMBER OF CUSTOMERS					OUTAGE EVENTS "N"	AVERAGE DURATION "L-Bar"	CAIDI	LISTED LAST YEAR ?	NO. OF YEARS IN THE LAST 5	CORRECTIVE ACTION COMPLETION DATE	
			RESIDENTIAL	COMMERCIAL	INDUSTRIAL	OTHER	TOTAL							
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	
A124	WILLISTON	Monticello	1,643	153	-	1	1,797	4	80.2	67.2	N	1	6/30/2025	
A130	SILVER SPRINGS SHORES	Ocala	2,389	137	1	19	2,546	2	86.4	55.0	N	-	12/31/2025	
A228	EAGLES NEST	Ocala	1,686	59	-	1	1,746	3	30.2	29.0	N	-	12/31/2025	
A272	HOMOSASSA	Immocness	1,415	226	-	44	1,685	4	61.7	30.8	N	3	6/30/2025	
C10	CLEARWATER	Clearwater	804	345	-	34	1,183	3	48.36	37.0	N	-	12/31/2025	
C1003	BELLEAIR	Clearwater	2,139	202	-	19	2,360	3	37.8	35.7	N	-	12/31/2025	
C12	CLEARWATER	Clearwater	985	253	-	27	1,265	4	142.7	26.1	N	-	12/31/2025	
C18	CLEARWATER	Clearwater	1,909	158	1	10	2,078	3	145.0	26.1	N	-	12/31/2025	
C4991	CURLEW	Sevon Springs	1,993	125	-	5	2,123	3	67.1	72.3	N	-	12/31/2025	
C52	STATION MORGAN ROAD	Sevon Springs	1,225	152	2	38	1,417	3	86.2	74.9	N	-	12/31/2025	
C5404	BROOKER CREEK	Sevon Springs	2,629	188	-	11	2,828	3	215.7	78.1	N	-	12/31/2025	
C757	PALM HARBOR	Sevon Springs	1,970	61	-	7	2,038	4	41.7	40.5	N	-	12/31/2025	
J115	STARKEY ROAD	Walsingham	2,583	108	2	6	2,699	4	77.9	37.6	N	-	12/31/2025	
J242	ULMERTON	Walsingham	1,727	597	42	10	2,376	3	44.4	36.2	N	1	6/30/2025	
J2903	TAYLOR AVENUE	Walsingham	2,535	417	-	22	2,974	3	43.5	28.5	N	-	12/31/2025	
J557	WALSINGHAM	Walsingham	2,352	226	1	13	2,592	2	78.3	78.0	N	-	12/31/2025	
K1231	BONNET CREEK	Buena Vista	901	90	-	9	1,000	2	310.8	105.6	N	-	12/31/2025	
K1687	DDNNER LAKE	Highlands	634	73	-	12	719	3	50.5	50.6	N	1	6/30/2025	
K1688	DDNNER LAKE	Highlands	752	168	2	45	967	4	112.0	58.3	N	-	6/30/2025	
K1689	DDNNER LAKE	Highlands	1,211	204	1	25	1,441	3	78.7	72.1	N	1	6/30/2025	
K19	HAINES CITY	Lake Wales	951	124	13	21	1,109	3	220.8	83.5	N	1	6/30/2025	
K3282	LAKE LUNTZ	Winter Garden	1,744	125	-	19	1,888	2	357.8	93.2	N	1	6/30/2025	
K37	AVALON	Winter Garden	1,199	113	-	13	1,325	2	344.9	94.2	N	-	12/31/2025	
K42	HUNTERS CREEK	Buena Vista	1,906	232	-	12	2,150	3	133.8	95.1	N	-	12/31/2025	
K4815	INTERNATIONAL DRIVE	Buena Vista	1,794	171	-	2	1,967	2	236.4	116.7	N	-	12/31/2025	
K4818	INTERNATIONAL DRIVE	Buena Vista	1,791	197	-	6	1,994	2	189.7	65.8	N	-	12/31/2025	
K4837	MONTVERDE	Clearmont	1,621	296	-	20	1,937	3	329.9	108.4	N	-	12/31/2025	
K68	BAY HILL	Buena Vista	1,659	222	-	12	1,893	3	76.6	30.6	N	-	12/31/2025	
K83	GIFFORD	Buena Vista	4,184	211	-	12	4,407	2	680.5	82.9	N	-	12/31/2025	
K84	GIFFORD	Buena Vista	3,972	252	-	11	4,235	2	59.2	58.6	N	-	12/31/2025	
M1520	LISBON	Apopka	1,785	181	4	12	1,982	3	166.1	123.1	N	-	12/31/2025	
M414	LOCKHART	Apopka	1,212	54	-	6	1,272	2	570.5	521.6	N	-	12/31/2025	
M447	BAY RIDGE	Apopka	1,298	152	-	7	1,457	3	94.9	55.7	N	-	12/31/2025	
M500	EUSTIS	Apopka	1,509	322	10	49	1,890	5	66.5	55.4	N	-	12/31/2025	
N3	MADISON	Monticello	1,358	232	-	44	1,634	3	114.4	90.6	N	-	12/31/2025	
N68	MONTICELLO	Monticello	242	109	2	8	361	3	55.4	54.8	N	2	6/30/2025	
W0034	DELEON SPRINGS	Deland	1,317	177	1	15	1,510	6	159.0	53.9	N	1	6/30/2025	
W0902	BARBERVILLE	Deland	1,168	393	1	37	1,599	3	27.8	27.7	N	3	6/30/2025	
X262	CENTRAL PLAZA	St. Petersburg	1,620	439	7	28	2,094	3	54.9	55.8	N	-	12/31/2025	
X284	NORTHEAST	St. Petersburg	3,007	203	-	5	3,215	2	89.0	92.5	N	-	12/31/2025	
X53	KENNETH	Walsingham	2,389	231	-	11	2,631	3	164.7	75.0	N	-	12/31/2025	
X66	DISSTON	Walsingham	2,607	314	1	18	2,940	2	348.7	227.1	N	-	12/31/2025	

LBAR AND CAIDI Includes all devices.

PART III

SYSTEM RELIABILITY INDICES – <u>ADJUSTED</u>					
Utility Name: Duke Energy Florida Year: 2024					
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI5 (f)
North Coastal	86.7	84.3	1.03	1.1	1.73%
Inverness	101.9	83.4	1.22	1.5	2.89%
Monticello	156.9	101.6	1.55	1.4	2.74%
Ocala	110.0	79.7	1.38	0.9	3.17%
Seven Springs	52.7	75.3	0.70	1.0	0.52%
Zephyrhills	61.2	106.5	0.58	1.6	0.17%
South Coastal	77.3	81.7	0.95	1.0	0.12%
Clearwater	84.5	79.4	1.06	1.3	0.09%
St. Petersburg	65.2	82.5	0.79	0.8	0.06%
Walsingham	84.6	83.2	1.02	1.0	0.20%
North Central	60.1	83.4	0.72	0.9	0.53%
Apopka	76.5	87.9	0.87	1.0	1.24%
Deland	63.0	77.7	0.81	1.0	0.54%
Jamestown	53.0	85.3	0.62	0.8	0.24%
Longwood	49.0	79.8	0.61	0.8	0.10%
South Central	58.0	86.6	0.67	1.0	0.24%
Buena Vista	45.3	88.7	0.51	0.9	0.01%
Clermont	57.3	103.0	0.56	1.5	0.00%
SE Orlando	64.4	67.3	0.96	1.5	1.10%
Highlands	61.8	88.5	0.70	1.4	0.48%
Lake Wales	59.1	79.1	0.75	0.9	0.03%
Winter Garden	69.1	100.6	0.69	0.4	0.03%
SYSTEM	69.9	83.9	0.83	1.0	0.63%

FEEDER SPECIFIC DATA – Expanded to include OH/UG details

Provide the following information for each feeder circuit in service during 2024. If any data is not available, explain whether the Company has any plans to begin tracking such data and if not, why.

For (A) thru (Y) – See Attachment G – a CD containing Excel File – “2024 Feeder Specific Data.”

For (Z) – See Attachment G – “2024 Summer Feeder Peaks.”

(A) Feeder ID	<i>See Attachment G</i>
(B) Sub-Region in which the feeder is located	<i>See Attachment G</i>
(C) Number of overhead lateral lines	<i>See Attachment G</i>
(D) Number of overhead lateral miles	<i>See Attachment G</i>
(E) Number of Customers served on OH lateral lines	<i>See Attachment G</i>
(F) CMI for overhead lateral lines	<i>See Attachment G</i>
(G) CI for overhead lateral lines	<i>See Attachment G</i>
(H) Number of underground lateral lines	<i>See Attachment G</i>
(I) Number of underground lateral miles	<i>See Attachment G</i>
(J) Number of customers served on UG lateral lines	<i>See Attachment G</i>
(K) CMI for underground lateral lines	<i>See Attachment G</i>
(L) CI for underground lateral lines	<i>See Attachment G</i>
(M) Number of automatic line sectionalizing devices on the lateral lines	<i>See Attachment G</i>
(N) Number of automatic line sectionalizing devices on the feeder	<i>See Attachment G</i>
(O) Whether the feeder circuit is looped	<i>See Attachment G</i>
(P) Total length of the feeder circuit	<i>See Attachment G</i>
(Q) Length of underground portion of the feeder circuit	<i>See Attachment G</i>
(R) Number of customers served by underground feeders	<i>See Attachment G</i>
(S) CMI for underground feeders	<i>See Attachment G</i>
(T) CI for underground feeders	<i>See Attachment G</i>
(U) Length of overhead portion of the feeder circuit	<i>See Attachment G</i>
(V) Number of customers served by overhead feeders	<i>See Attachment G</i>
(W) CMI for overhead feeders	<i>See Attachment G</i>
(X) CI for overhead feeders	<i>See Attachment G</i>
(Y) Load growth since December 31, 2009	<i>See Attachment G</i>
(Z) Peak load recorded through December 31, 2009	<i>See Attachment G</i>

DISTRIBUTION SUBSTATION (Rule 25-6.0455, F.A.C.)

a. Describe the five-year patterns/trends in reliability performance of distribution substations.

The five-year patterns/trends in reliability performance of distribution substations is best described by the performance indices. These indices are used for calculating system reliability:

- SAIDI – System Average Interruption Duration Index (minutes/customer). SAIDI reflects the average number of minutes a customer was without power system-wide. It is determined by dividing the sum of customer-minutes of interruption by the average number of customers served during a period.
- CAIDI – Customer Average Interruption Duration Index (minutes/customer). CAIDI is the average customer-minutes of interruption per customer interruption. It approximates the average length of time required to complete service restoration. It is determined by dividing the sum of all customer-minutes of interruption durations by the number of customer interruptions during a period. CAIDI measures how long it takes DEF to restore service after an interruption.
- SAIFI – System Average Interruption Frequency Index. SAIFI is the average number of interruptions per customer per a certain period. It is determined by dividing the total number of customer interruptions by the average number of customers served during a period.
- OHMY – Outages per Hundred Miles per Year. OHMY measures the number of forced transmission line events, momentary AND sustained, that are incurred per hundred circuit miles per year. This measure is often grouped by voltage class.

The following charts will show the trending for these Reliability Indices:

Section	Grid SAIDI	SECI SAIDI	Retail SAIDI
North	0.54	5.578	0.91
Central	1.54	0.042	2.48
Coastal	2.20	0.052	1.11
Florida	4.28	5.672	4.50

Table 1: 2024 DEF SAIDI Reliability Indices

In 2024, Grid SAIDI increased by .01 points from 2023 and Retail SAIDI also increased by .34 points from 2023. SECI (Seminole Electric Cooperatives, Inc.) SAIDI decreased by 0.04 points. SECI represents its electric cooperative members in Florida.

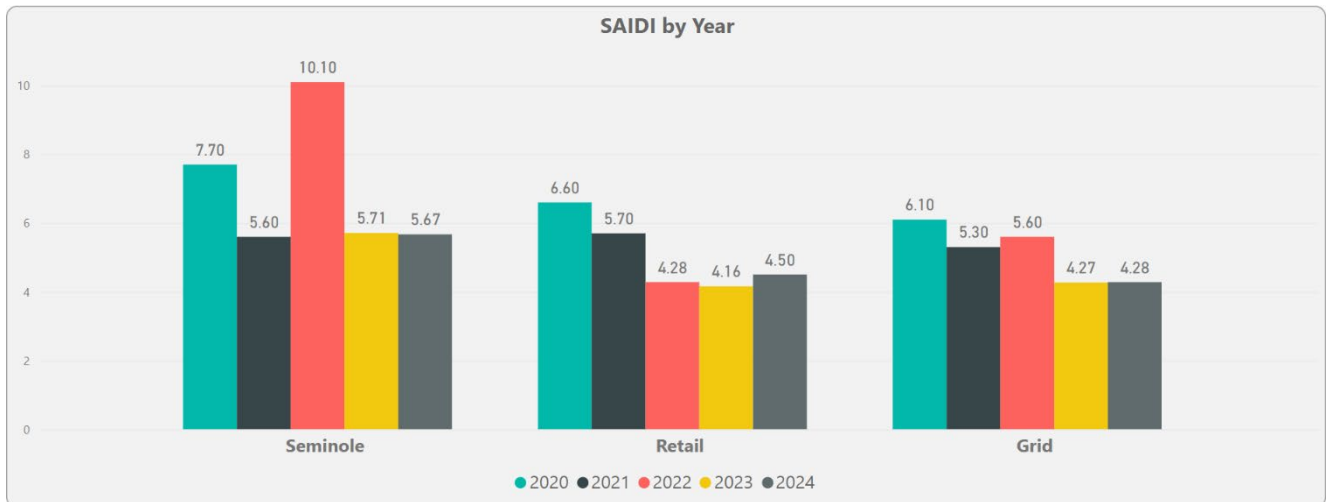


Fig.1: DEF SAIDI Trending (2020 - 2024)

Grid KPIs	2020	2021	2022	2023	2024
Customers (Thousands)	432.19	291.04	382.24	249.81	259.29
CMI (Millions)	17.83	14.63	16.46	12.57	13.22
SAIDI	6.1	5.3	5.6	4.3	4.28
CAIDI	41.39	58.3	40	50.3	47.8
SAIFI	0.15	0.1	0.14	0.09	0.09
OHMY-SA	2.14	1.93	1.54	1.54	0.95

Table 2: DEF Statistics (2020 - 2024)

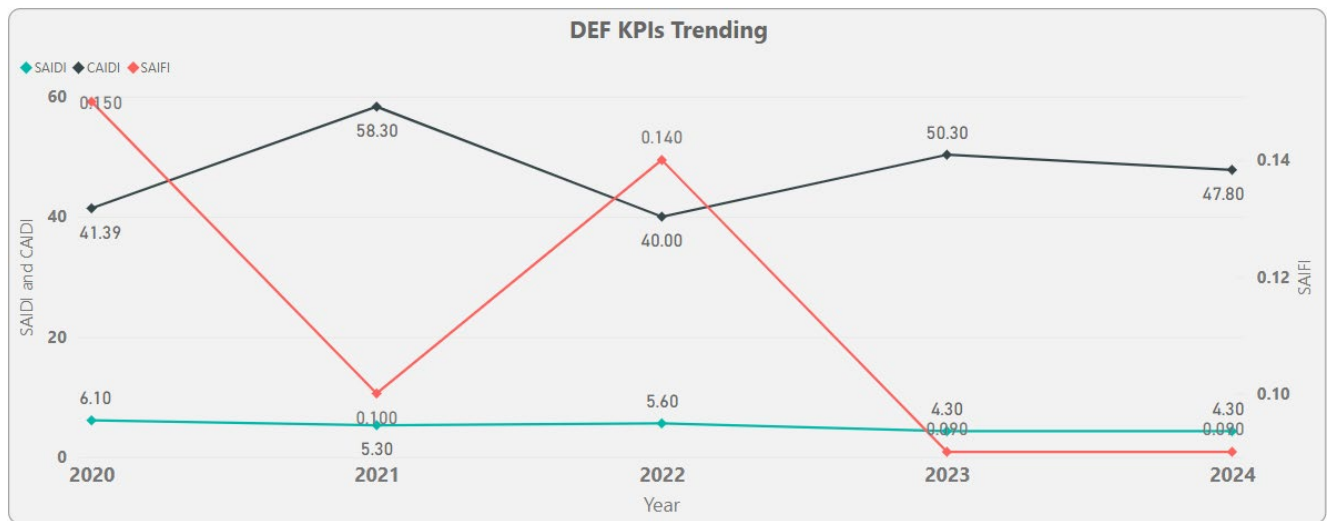


Fig.2: DEF Key Performance Indicators Trending (2020 - 2024)

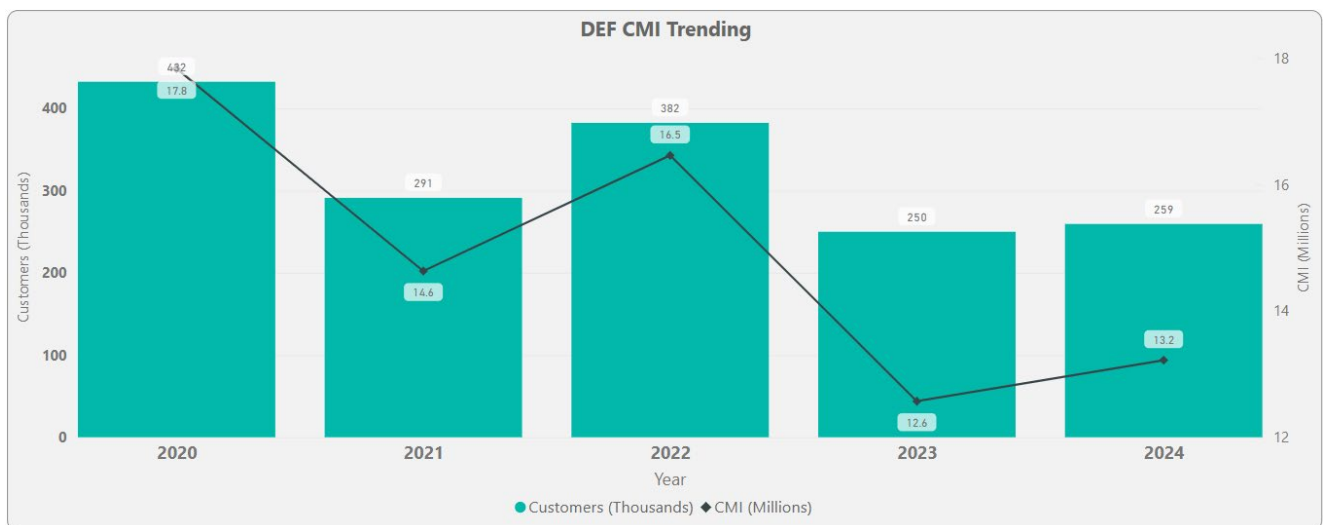


Fig.3: DEF Customers Minute Interruption Trending (2020 - 2024)

DEF CMI Per Month (2020 - 2024)

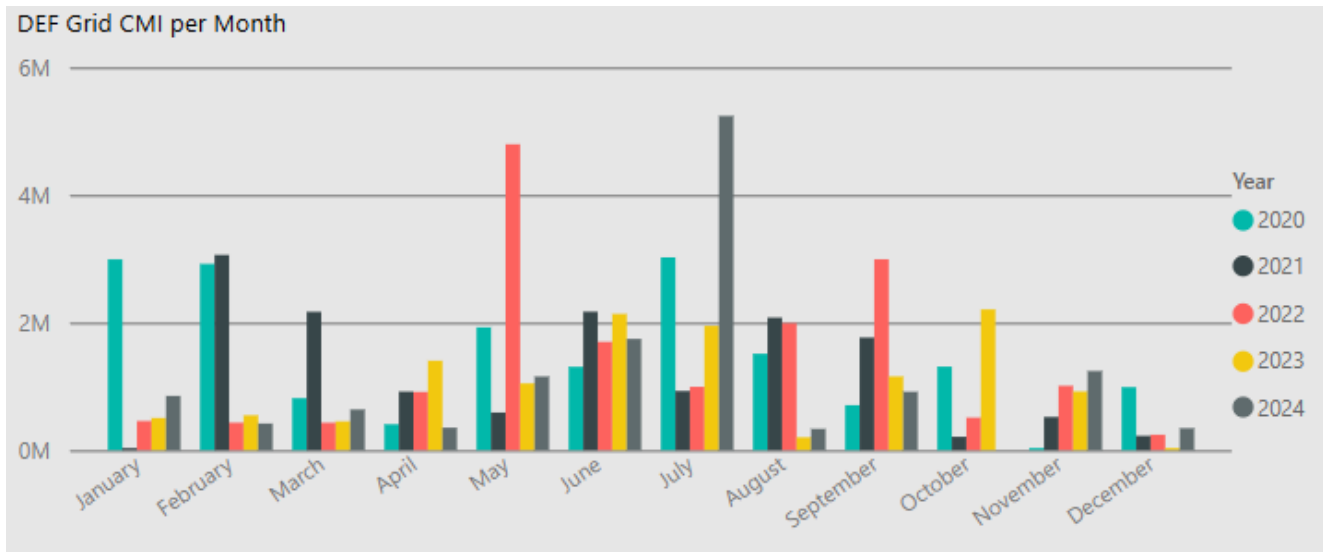


Fig.4: DEF CMI per month (2020 - 2024)

a. Describe Company efforts to track the reliability of distribution substations.

DEF's in-house database, Transmission Outage Management System (TOMS), is used to keep track and record all the events that occur every day. It maintains all the indices mentioned above.

b. Describe the process used by your Company to identify and select the actions to promote substation reliability.

To identify and promote substation reliability, DEF uses different methods, such as monthly substation inspections, predictive and preventive maintenance, infra-red analysis and numerous diagnostics tests. Once a problem is identified, DEF's work management tool is used to track the efforts to correct it.

c. Provide the number of distribution substations inspected during normal operations (non-storm related) for 2024.

DEF has inspected each of its current 530 substations.

SUPPLEMENTAL DISTRIBUTION INFORMATION

The next six pages contain the following information:

CMI / CI by Operation Center for 2024 (Unadjusted/Adjusted) 30

CEMI5 by Operation Center for 2024 (Unadjusted) 31

CEMI5 by Operation Center for 2024 (Adjusted) 32

MAIFIE by Operation Center for 2024 (Unadjusted) 33

MAIFIE by Operation Center for 2024 (Adjusted) 34

SAIDI by Operation Center for 2024 (Unadjusted/Adjusted) 35

2024

UNADJUSTED DATA			ADJUSTED DATA		
	CMI	CI		CMI	CI
NORTH CENTRAL	499,502,167	770,315	NORTH CENTRAL	26,947,080	323,278
APOPKA	198,833,154	271,509	APOPKA	8,687,657	98,828
DELAND	175,581,227	190,500	DELAND	5,799,312	74,591
JAMESTOWN	55,807,417	161,883	JAMESTOWN	7,768,515	91,040
LONGWOOD	69,280,369	146,423	LONGWOOD	4,691,596	58,819
NORTH COASTAL	1,064,757,200	1,256,120	NORTH COASTAL	41,318,366	490,289
INVERNESS	154,663,012	247,335	INVERNESS	8,800,188	105,559
MONTICELLO	191,065,588	231,559	MONTICELLO	9,425,555	92,803
OCALA	154,698,277	272,020	OCALA	10,435,390	130,927
SEVEN SPRINGS	437,814,232	426,058	SEVEN SPRINGS	10,816,940	143,716
ZEPHYRHILLS	126,516,091	79,148	ZEPHYRHILLS	1,840,293	17,284
SOUTH CENTRAL	510,309,405	892,504	SOUTH CENTRAL	35,123,320	405,549
BUENA VISTA	37,282,986	142,605	BUENA VISTA	7,222,148	81,457
CLERMONT	61,424,870	70,663	CLERMONT	2,497,741	24,254
HIGHLANDS	102,682,190	137,109	HIGHLANDS	3,749,590	55,694
LAKE WALES	209,550,982	270,453	LAKE WALES	9,294,915	104,969
SE ORLANDO	29,783,641	127,040	SE ORLANDO	6,068,666	76,673
WINTER GARDEN	69,584,736	144,634	WINTER GARDEN	6,290,260	62,502
SOUTH COASTAL	2,341,063,694	1,434,946	SOUTH COASTAL	37,581,717	460,214
CLEARWATER	720,040,354	487,002	CLEARWATER	12,532,460	157,914
ST. PETERSBURG	868,837,269	469,193	ST. PETERSBURG	11,917,333	144,492
WALSINGHAM	752,186,071	478,751	WALSINGHAM	13,131,924	157,808
SYSTEM	4,415,632,466	4,353,885	SYSTEM	140,970,483	1,679,330

CEMIS Unadjusted Report - 2024

INTERRUPTIONS:	1	2	3	4	5	6	7	8	9	10 +	Cust >5	CEMI >5
NORTH CENTRAL												
Apopka	28,446	19,892	14,945	10,754	5,845	4,154	2,565	1,294	830	473	9316	8.20%
Deland	28,512	18,036	11,195	6,640	4,183	2,476	1,061	349	305	308	4499	4.89%
Jamestown	51,814	18,848	10,219	5,389	3,019	1,084	953	244	15	138	2434	1.66%
Longwood	31,588	18,915	8,767	4,324	3,163	1,072	350	98	43	41	1604	1.67%
NORTH CENTRAL	140,360	75,691	45,126	27,107	16,210	8,786	4,929	1,985	1,193	960	17,853	3.99%
NORTH COASTAL												
Inverness	19,397	17,476	13,968	8,220	5,646	3,696	2,202	1,028	551	2,449	9,926	11.49%
Monticello	6,655	9,224	5,423	5,839	5,342	4,058	3,882	2,432	1,640	3,222	15,234	25.37%
Ocala	18,888	15,090	13,531	7,861	5,779	4,702	3,638	2,251	1,394	2,784	14,769	15.57%
Seven Springs	44,623	48,420	30,101	16,275	8,841	4,465	1,225	710	248	2,468	9116	4.44%
Zephyrhills	6,619	8,499	7,430	2,519	1,192	798	194	133	9	19	1153	3.84%
NORTH COASTAL	96,182	98,709	70,453	40,714	26,800	17,719	11,141	6,554	3,842	10,942	50,198	10.53%
SOUTH CENTRAL												
Buena Vista	47,355	23,820	6,189	3,673	706	704	163	22	23		912	0.57%
Clermont	12,305	9,032	6,896	2,030	900	241	292	80	43	7	663	1.52%
Highlands	18,948	17,386	8,312	4,727	2,098	616	354	275	94	450	1,789	3.07%
Lake Wales	31,216	26,100	18,944	9,064	3,949	2,391	681	61	394	1	3,528	2.35%
SE Orlando	25,046	18,977	8,721	4,605	1,122	467	75	39	3		584	0.57%
Winter Garden	31,028	15,901	7,816	4,175	1,019	376	180	90	2	13	661	0.73%
SOUTH CENTRAL	165,898	111,216	56,878	28,274	9,794	4,795	1,745	567	559	471	8,137	1.34%
SOUTH COASTAL												
Clearwater	29,130	31,631	23,971	20,370	14,109	9,326	4,527	1,619	756	403	16,631	11.21%
St. Petersburg	41,137	36,784	34,572	19,597	14,029	6,050	2,551	1,358	268	188	10,415	5.70%
Walsingham	21,830	34,951	32,246	21,998	12,680	8,038	2,987	1,900	953	728	14,606	9.41%
SOUTH COASTAL	92,097	103,366	90,789	61,965	40,818	23,414	10,065	4,877	1,977	1,319	41,652	8.56%
System:	494,537	388,982	263,246	158,060	93,622	54,714	27,880	13,983	7,571	13,692	117,840	5.84%

CEMIS Adjusted Report - 2024

INTERRUPTIONS:		1	2	3	4	5	6	7	8	9	10 +	Cust >5	CEMI >5
NORTH CENTRAL													
	Apopka	30,951	10,657	6,002	1,973	1,642	742	519	146	2		1,409	1.24%
	Deland	25,349	8,477	3,870	2,607	1,079	354	86	38	17	5	500	0.54%
	Jamestown	40,288	14,283	6,584	1,818	784	345	5				350	0.24%
	Longwood	24,285	8,059	2,649	1,748	222	64	29		7		100	0.10%
	NORTH CENTRAL	120,873	41,476	19,105	8,146	3,727	1,505	639	184	26	5	2,359	0.53%
NORTH COASTAL													
	Inverness	28,238	13,492	4,968	2,227	1,156	663	800	246	333	457	2,499	2.89%
	Monticello	15,322	8,572	5,279	4,359	2,517	565	468	308	161	141	1,643	2.74%
	Ocala	26,466	14,427	8,758	4,391	2,563	1,356	778	321	287	263	3,005	3.17%
	Seven Springs	54,909	17,893	8,668	3,251	2,412	924	85	54			1,083	0.52%
	Zephyrhills	9,392	2,548	579	174	27	35	11		6		52	0.17%
	NORTH COASTAL	134,327	56,932	28,252	14,402	8,675	3,543	2,142	929	787	861	8,262	1.73%
SOUTH CENTRAL													
	Buena Vista	28,758	17,352	4,470	1,148	441	12					12	0.01%
	Clermont	11,843	2,436	2,421	139	17						-	0.00%
	Highlands	19,363	7,043	2,868	1,091	768	374	231	34			639	1.10%
	Lake Wales	35,040	15,938	5,877	1,328	1,688	716	7				723	0.48%
	SE Orlando	24,005	14,571	4,434	1,364	308	23	9				32	0.03%
	Winter Garden	24,156	10,520	2,074	265	53		30				30	0.03%
	SOUTH CENTRAL	143,165	67,860	22,144	5,335	3,275	1,125	277	34			1,436	0.24%
SOUTH COASTAL													
	Clearwater	46,412	26,640	10,303	3,086	692	94	45				139	0.09%
	St. Petersburg	56,693	27,941	6,463	2,855	1,192	105	5				110	0.06%
	Walsingham	37,254	25,231	11,720	5,279	1,269	257	44	12			313	0.20%
	SOUTH COASTAL	140,359	79,812	28,486	11,220	3,153	456	94	12			562	0.12%
	System	538,724	246,080	97,987	39,103	18,830	6,629	3,152	1,159	813	866	12,619	0.63%

MAIFie - Unadjusted (01/01/2024 - 12/31/2024)

	<u>Customers</u>	<u># momentary</u>		
	<u>Served</u>	<u>events</u>	<u>CME</u>	<u>MAIFie</u>
North Central				
Apopka	113,591	180	236,036	2.1
Deland	91,993	113	169,842	1.8
Jamestown	146,592	100	175,762	1.2
Longwood	95,823	91	134,262	1.4
North Central Total	447,999	484	715,902	1.6
North Coastal				
Inverness	86,402	187	296,033	3.4
Monticello	60,057	257	205,395	3.4
Ocala	94,833	158	211,776	2.2
Seven Springs	205,215	314	591,810	2.9
Zephyrhills	30,049	87	214,826	7.1
North Coastal Total	476,556	1,003	1,519,840	3.2
South Central				
Buena Vista	159,457	141	199,379	1.3
Clermont	43,620	59	108,139	2.5
Highlands	58,251	125	170,990	2.9
Lake Wales	150,293	274	441,246	2.9
SE Orlando	102,638	90	114,151	1.1
Winter Garden	91,074	39	61,905	0.7
South Central Total	605,333	728	1,095,810	1.8
South Coastal				
Clearwater	148,388	508	986,906	6.7
St. Petersburg	182,649	295	605,664	3.3
Walsingham	155,282	301	529,560	3.4
South Coastal Total	486,319	1,104	2,122,130	4.4
	<u>2,016,207</u>	<u>3,319</u>	<u>5,453,682</u>	<u>2.7</u>

MAIFIE - Adjusted (01/01/2024 - 12/31/2024)

	<u>Customers</u>	<u># momentary</u>		
	<u>Served</u>	<u>events</u>	<u>CME</u>	<u>MAIFIE</u>
North Central				
Apopka	113,591	87	117,319	1.0
Deland	91,993	59	89,258	1.0
Jamestown	146,592	69	115,910	0.8
Longwood	95,823	57	80,449	0.8
North Central Total	447,999	272	402,936	0.9
North Coastal				
Inverness	86,402	80	127,272	1.5
Monticello	60,057	86	82,155	1.4
Ocala	94,833	61	82,564	0.9
Seven Springs	205,215	103	198,020	1.0
Zephyrhills	30,049	21	49,139	1.6
North Coastal Total	476,556	351	539,150	1.1
South Central				
Buena Vista	159,457	110	142,677	0.9
Clermont	43,620	36	66,361	1.5
Highlands	58,251	66	89,622	1.5
Lake Wales	150,293	120	208,722	1.4
SE Orlando	102,638	65	88,928	0.9
Winter Garden	91,074	20	32,291	0.4
South Central Total	605,333	417	628,601	1.0
South Coastal				
Clearwater	148,388	101	191,721	1.3
St. Petersburg	182,649	74	146,408	0.8
Walsingham	155,282	94	157,899	1.0
South Coastal Total	486,319	269	496,028	1.0
	<u>2,016,207</u>	<u>1,309</u>	<u>2,066,715</u>	<u>1.0</u>

SYSTEM RELIABILITY INDICES - UNADJUSTED		
Utility Name: Duke Energy Florida		
2024		
Region	Op Center	SAIDI
NORTH CENTRAL		1,115.0
	APOPKA	1,750.4
	DELAND	1,908.6
	JAMESTOWN	380.7
	LONGWOOD	723.0
NORTH COASTAL		2,234.3
	INVERNESS	1,790.0
	MONTICELLO	3,181.4
	OCALA	1,631.3
	SEVEN SPRINGS	2,133.4
	ZEPHYRHILLS	4,210.3
SOUTH CENTRAL		843.0
	BUENA VISTA	233.8
	CLERMONT	1,408.2
	HIGHLANDS	1,762.8
	LAKE WALES	1,394.3
	SE ORLANDO	290.2
	WINTER GARDEN	764.0
SOUTH COASTAL		4,813.8
	CLEARWATER	4,852.4
	ST. PETERSBURG	4,756.9
	WALSINGHAM	4,844.0
SYSTEM		2,190.1

SYSTEM RELIABILITY INDICES - ADJUSTED		
Utility Name: Duke Energy Florida		
2024		
Region	Op Center	SAIDI
NORTH CENTRAL		60.1
	APOPKA	76.5
	DELAND	63.0
	JAMESTOWN	53.0
	LONGWOOD	49.0
NORTH COASTAL		86.7
	INVERNESS	101.9
	MONTICELLO	156.9
	OCALA	110.0
	SEVEN SPRINGS	52.7
	ZEPHYRHILLS	61.2
SOUTH CENTRAL		58.0
	BUENA VISTA	45.3
	CLERMONT	57.3
	HIGHLANDS	64.4
	LAKE WALES	61.8
	SE ORLANDO	59.1
	WINTER GARDEN	69.1
SOUTH COASTAL		77.3
	CLEARWATER	84.5
	ST. PETERSBURG	65.2
	WALSINGHAM	84.6
SYSTEM		69.9

Reliability Related Customer Complaints

Please see “Attachment H” for DEF’s spreadsheet comparing DEF vs. PSC 2024 reliability-related complaints. Solidifies

a. Describe the five year patterns/trends in reliability related customer complaints.

Duke Energy Florida receives its customer complaints from the FPSC via a variety of methods (Formal Complaints, Courtesy Calls, Internet Transfers). The 5-year trend is shown below with DEF reliability related complaint data:

FPSC Formal (15 day/logged) Complaints					
Complaint Category	2020	2021	2022	2023	2024
Outages - Momentary	15	11	3	5	7
Outages - Frequent	35	22	25	32	51
Outages - Extended	7	2	8	6	7
Voltage	10	2	3	7	5
Equipment/Facilities	12	18	7	15	10
Tree Trimming	7	3	7	7	8
Safety	0	0	0	0	0
Total	86	58	53	72	88

b. Describe Company efforts to correlate reliability related complaints with reliability indices for applicable feeder, lateral and subregion.

Reliability complaints are typically driven by localized delivery system performance. The most effective remedy is surgical corrective action based on patrol/survey of a discrete segment in conjunction with analysis of outage cause(s) and duration. Corrective action scope is typically increased when appropriate to ensure maximum impact on established reliability indices such as SAIDI, MAIFIE, CEMI4, and CELID3.

c. Describe the process used by your company to identify and select systematic actions to improve reliability due to customer complaints (if no such program exists explain why).

Systematic corrective actions are prioritized based on expected improvement to established reliability indices such as SAIDI, MAIFIE, CEMI4, and CELID3. Reliability complaints are typically driven by localized delivery system performance. The most effective remedy is surgical corrective action based on patrol/survey of a discrete segment in conjunction with analysis of outage cause(s) and duration. Corrective actions are compared to the reliability work plan to ensure no unnecessary duplication of effort.

WOOD POLE INSPECTION PROGRAM

a. Provide a detailed description of the Company's wood pole inspection program.

Duke Energy Florida's wood pole inspection program's philosophy is to determine the condition of the wood pole plant and provide remediation for any wood poles that are showing signs of decay or fall below the minimum strength requirements outlined by NESC standards.

DEF is utilizing the expertise of GeoForce for transmission to perform visual inspections on a four-year cycle for wood pole lines and six year cycle for all steel/concrete lines. Transmission inspection in 2024 included visual inspection, and sounding. Transmission wood poles identified as not meeting Standards are prioritized and scheduled for replacement.

Duke Energy is utilizing the expertise of GeoForce for distribution to perform the inspections on an eight-year cycle. Inspections include visual inspection, sound and boring, and full excavation down to 18 inches below ground line to determine the condition of all poles with the exception of CCA poles less than 16 years of age and poles that cannot be excavated due to obstructions. For CCA poles less than 16 years of age, inspections include visual and sound, as well as, selective boring to determine the pole condition. In addition, inspections are providing remediation of decayed poles through external and internal treatments. In distribution if the pole is below NESC standards and has the minimum remaining wood above ground line, reinforcement of the pole with steel C-trusses is often performed to bring the pole back to original strength.

For additional information, please see Attachment K - "Wood Pole Inspection Plan".

b. 2024 accomplishments

Distribution

Duke Energy Florida inspected 90,328 wood distribution poles during 2024. This completes the third year of the third 8-year inspection cycle. In addition to the inspections, GPS coordinates and physical attributes were updated and/or verified and inspection results were collected in a central database on all poles inspected.

The distribution wood pole inspection program is planned to complete approximately 1/8 of the distribution pole fleet per year. The current inspection cycle is based on targeting poles by Circuit ID.

Transmission

In 2024, DEF's Transmission Ground Patrols inspected 4010 wood pole structures. This represents approximately 43% of the wood pole structures on the DEF Transmission system. For the summary report of the inspection data, See Attachment J – "DEF's 2024 Annual Wood Pole Inspection Report," filed with the FPSC on February 28, 2025.

c. Projected accomplishments for 2025

Distribution

DEF's goal for 2025 is to continue cycle three inspections of the system. DEF will continue to utilize the same inspection procedures in 2025 that were used in the past. Projected cost for the 2025 distribution pole inspection program is \$4.17 million.

Transmission

Plans for 2025 are to perform visual and sounding inspections on 2,170 wood poles, which is more than 1/3 of the wood pole system. DEF Transmission plans to inspect at least 1/6 of our non-wood system. Both inspections: wood – visuals and non-wood visual inspections are performed by a contractor. The entire transmission system will also be aerially patrolled twice via helicopter in 2024.

d. Wood pole inspection reports.

Each wood pole inspection report contains the following:

- A description of the methods used for structural analysis and pole inspection;
- A description of the selection criteria that was used to determine which poles would be inspected; and
- A summary report of the inspection data.

Distribution

Please see Attachment J – “DEF’s 2024 Annual Wood Pole Inspection Report,” filed with the FPSC on February 28, 2025.

For a description of the methods used for structural analysis and pole inspection – please refer to Attachment I - “Wood Pole Inspection Plan”, pages 6 - 8.

For the summary report of the inspection data - See Attachment K – a CD containing Excel file - “2024 DEF Distribution Pole Inspection Data”.

Transmission

Please see Attachment J – “DEF’s 2024 Annual Wood Pole Inspection Report,” filed with the FPSC on February 28, 2025.

For a description of the methods used for structural analysis and pole inspection, please refer to Attachment I – “Wood Pole Inspection Plan.”

CCA Pole Sampling Report

Pursuant to Order No. PSC-08-0615-PAA-EI issued September 23, 2008 in Docket No. 080219-EI, the Commission approved modification to the sounding and boring excavation requirements of Order No. 06-0144-PAA-EI with regard to CCA wood poles less than 16 years old. On Pages 3 and 4 of Order No. PSC-08-0615-PAA-EI, it states,

“ORDERED that, consistent with the deviation granted to Gulf Power Company in Order No. PSC-07-0078-PAA-EU, Progress Energy Florida, Inc., Florida Power & Light Company, and Tampa Electric Company shall be required to sound and selectively bore all CCA poles under the age of 16 years but shall not be required to perform full excavation on these poles. It is further

ORDERED that Progress Energy Florida, Inc., Florida Power & Light Company, and Tampa Electric Company shall also be required to perform full excavation sampling to validate their inspection method. It is further

ORDERED that the results of the utilities’ sampling shall be filed in their annual distribution reliability reports.”

2024 CCA Pole Sampling Results

Please see Attachment J – “DEF’s 2024 Annual Wood Pole Inspection Report,” filed with the FPSC on February 28, 2025. The “CCA Sampling Results for 2024” is included in DEF’s Wood Pole Inspection Report as “Attachment B”.

OVERHEAD/UNDERGROUND RELIABILITY (OH/UG) (INITIATIVE 7)

- a. Describe the five-year patterns/trends in reliability performance of underground systems vs. overhead systems. See separate spreadsheet attachment.**

See Attachment L - “Comparison of Historical Trends-Overhead vs. Underground”

- b. Describe Company efforts to separately track the reliability of overhead and underground systems.**

Following is a description of the process that will be used to separately track the reliability of overhead and underground systems:

DEF will collect information to determine the percentage of storm caused outages on overhead systems and underground systems. Some assumptions are required when assessing the performance of overhead systems versus underground systems. For example, underground systems are typically protected by overhead fuses. DEF will provide for these factors in its analysis.

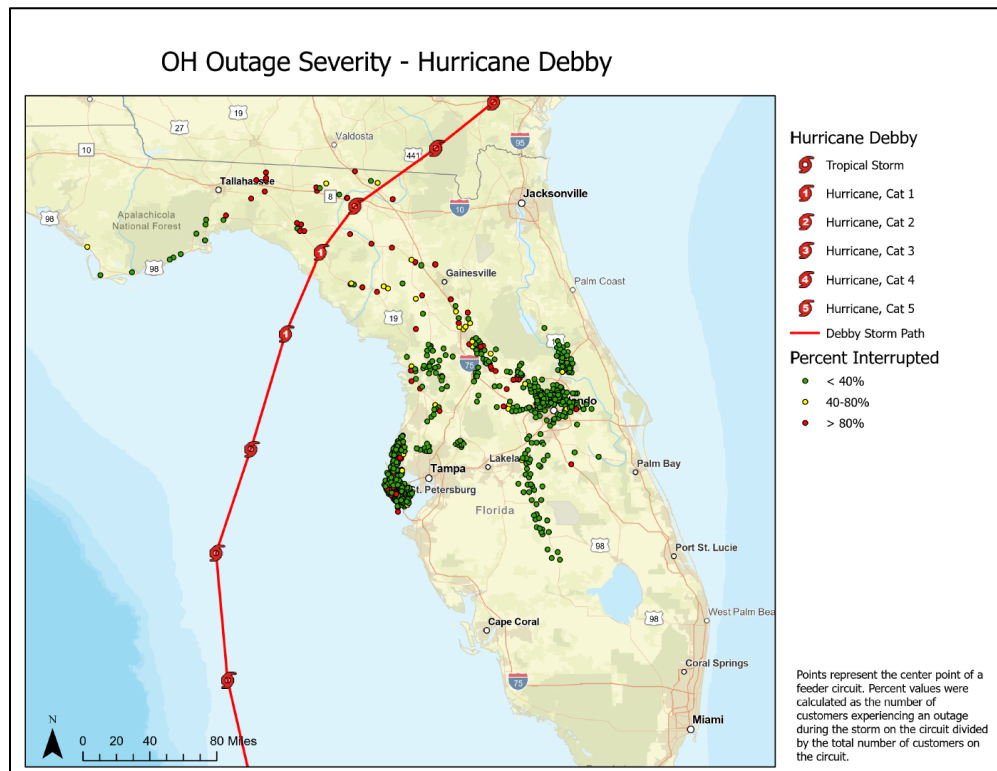
DEF has an internal hierarchy in its Advanced Distribution Management System (ADMS) that models how all of its facilities are connected to each other. This information provides the connection to the feeder breaker down to the individual transformer. Customer Connect (C4C) DEF’s Geographical Information System (GIS) captures which customer is tied to what individual transformer and provides several sets of data and information points regarding DEF’s assets. DEF uses these systems to help analyze the performance of the following types of overhead and underground assets:

- Breakers
- Electronic Reclosers
- Fuses
- Hydraulic Reclosers
- Interrupters
- Motor Operated Switches
- OH Conductors
- OH Transformers
- Primary Meters
- Switch Gear Fuses
- Sectionalizers
- Services
- Switches
- Terminal Pole Fuses
- Under Ground Conductors
- Under Ground Transformers

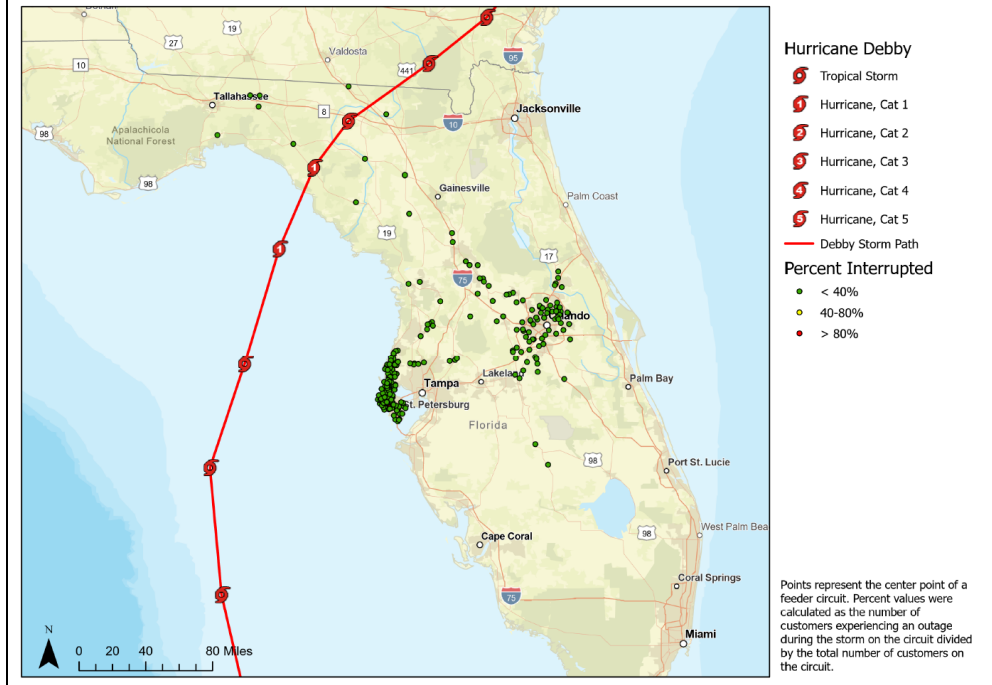
As part of this process, the location of each feeder circuit point is determined by approximating the geographic midpoint of each circuit. Outages experienced as a result of a named storm will be extracted from system data. The outages will then be grouped by feeder circuit ID and by outage type, where outage type is either overhead or underground.

The number of customers interrupted by an overhead device will then be summed by feeder circuit ID and the number of customers interrupted by an underground device will be summed by feeder circuit ID. A single feeder circuit may have overhead and underground outages, so approximations will be made in those circumstances.

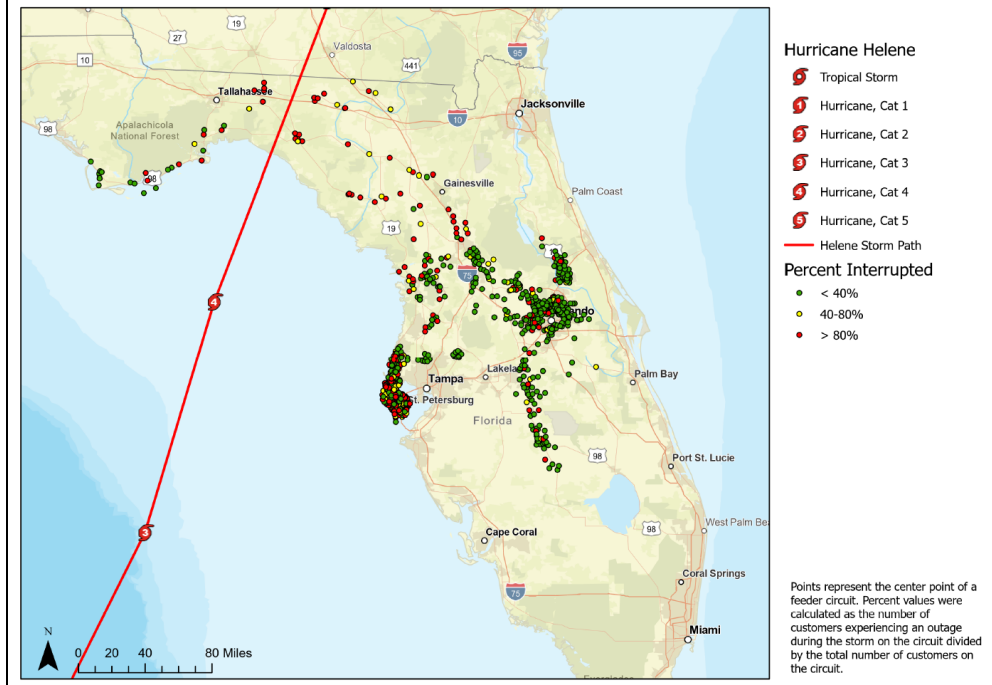
Once this information is collected, the percentage of customers interrupted will be calculated by dividing the sum of customers interrupted per feeder circuit by the total customers served for that feeder circuit. This process is applied as the sum of customers interrupted by all overhead devices on a feeder circuit divided by the number of customers served by the feeder circuit and the sum of customers interrupted by all underground devices on a feeder circuit divided by the number of customers served by the feeder circuit. As a result of this process, DEF will produce graphic representations of performance such as those depicted below for Hurricanes Debby, Helene, and Milton:



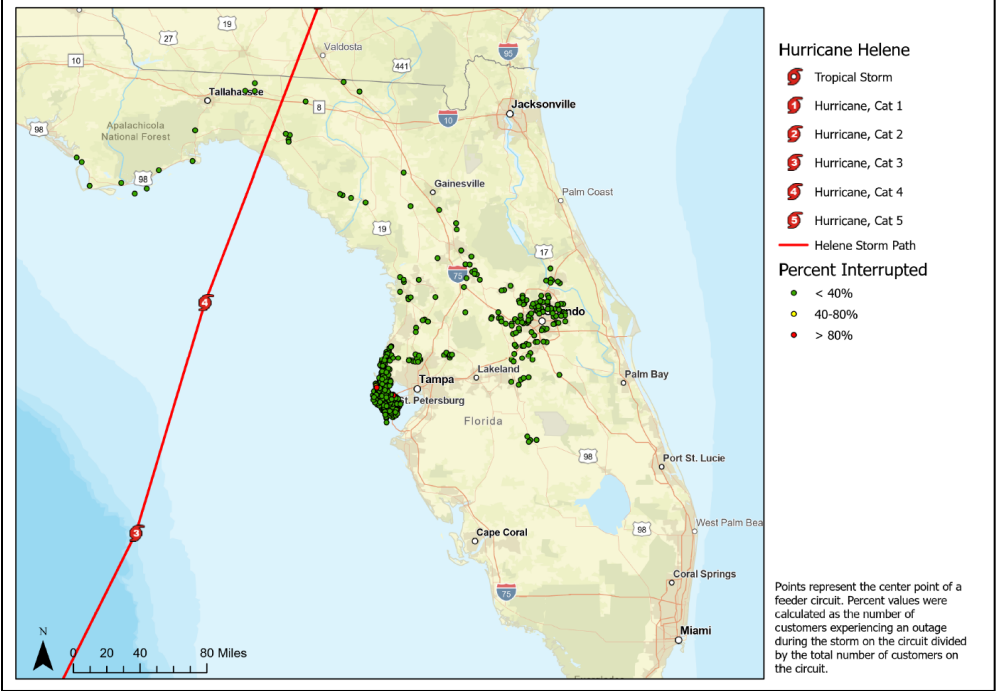
UG Outage Severity - Hurricane Debby



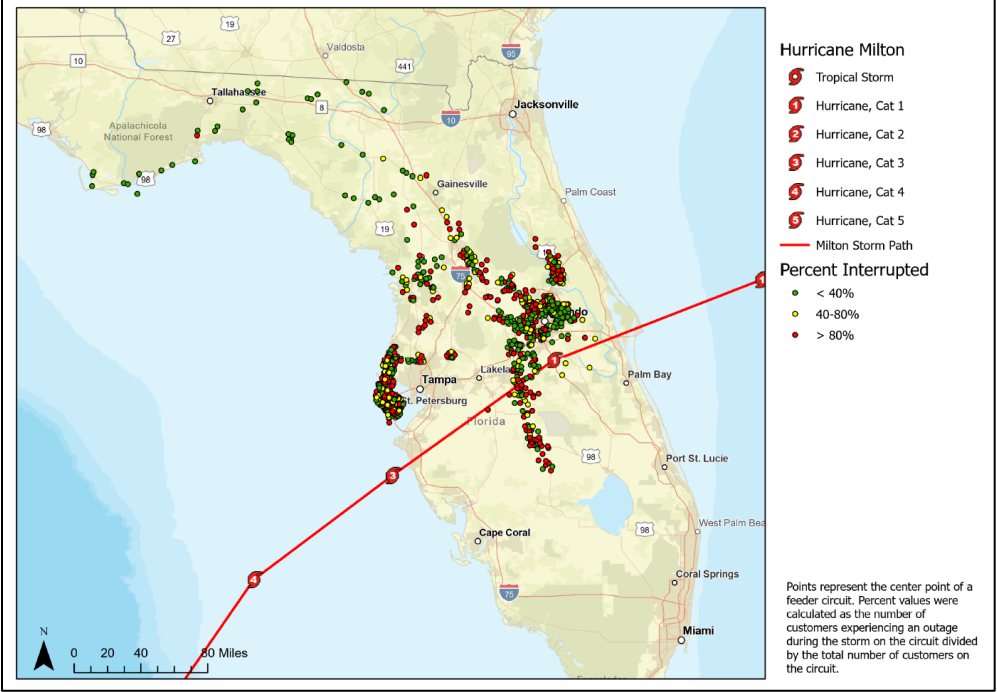
OH Outage Severity - Hurricane Helene

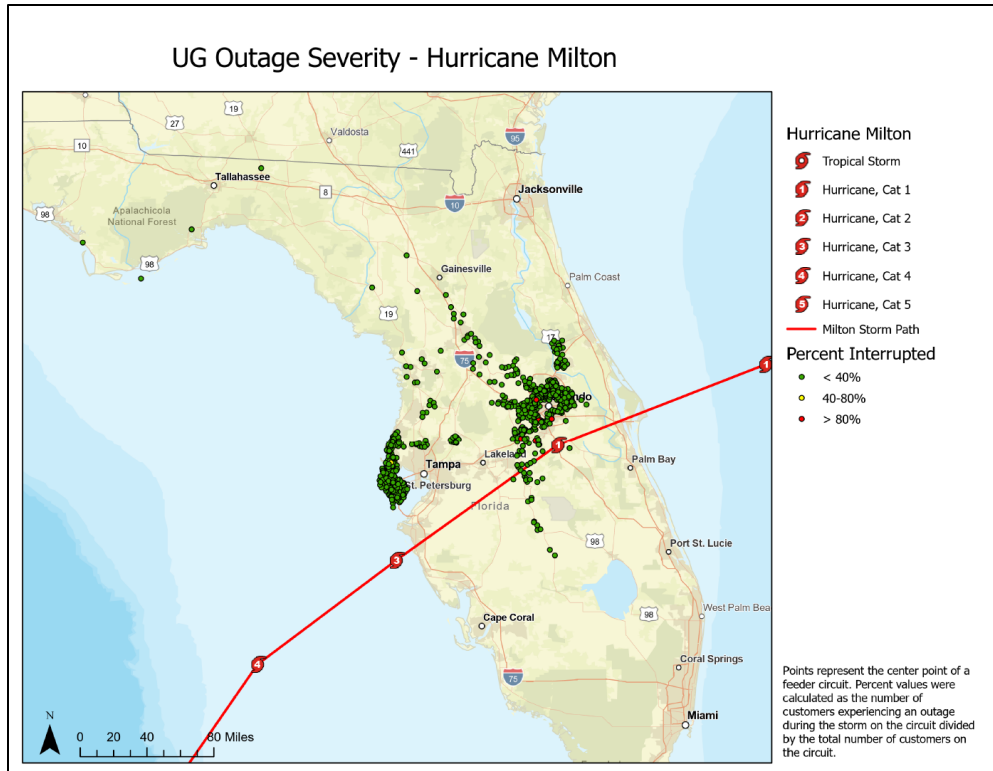


UG Outage Severity - Hurricane Helene



OH Outage Severity - Hurricane Milton





DEF will also collect available performance information as a part of the storm restoration process via technicians in the field, such as:

- Restore time
- Cause code
- Observations and comments
- Failed device name
- Failed device size
- Failed device type
- Failed device phase
- Failed device location

c. Describe the process used by your company to identify and select the actions to promote underground distribution systems.

DEF notes that it does not necessarily promote underground distribution systems in all instances. Rather, DEF's programs are designed to identify areas where an underground distribution system would be effective both from an operational and cost/benefit perspective, and to help customers considering underground projects to receive the information that they need to make a well-thought decision.

In 2024, DEF installed 511 circuit miles of new underground cable. Overall, the DEF distribution system consists of 48.7% primary underground circuit miles (17,188 circuit miles).

- d. Provide Overhead/Underground metrics** (miles, # of customers, CMI, CI, MAIFle, CEMI5 and L-Bar for the Calendar Year).

See Attachment M- “Overhead/Underground Metrics”

See Separate Spreadsheet with data listed (a) through (j).

(k) Overhead equipment of performance analysis by type per system. (wood pole vs. concrete pole, etc.) will not be available.

Reliability Report Attachment Index

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ATTACHMENT A

OUTAGE ID	COMPANY	SECTION	LOCATION	OUTAGAE START TIME	CIRCUIT RESTORATION TIME	OUTAGE MINUTES	RETAIL CUSTOMERS
114868	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	12/31/2024 22:08:47	12/31/2024 22:08:57	0	0
114864	DEF	DEF Coastal	TAYLOR AVENUE (TYLR) 13KV BUS 1	12/31/2024 08:13:37	12/31/2024 09:56:00	102	5982
114862	DEF	DEF Coastal	TRI-CITY (TRIC) 13KV BUS 3	12/30/2024 09:44:34	12/30/2024 09:44:35	0	0
114858	DEF	DEF Central	SOUTH FORT MEADE (SFMD) BK4	12/29/2024 20:17:31	12/29/2024 21:27:00	69	0
114850	DEF	DEF Central	AVON PARK NORTH (AVPN) - FROSTPROOF (FSPF) 69KV LINE	12/29/2024 19:32:14	12/29/2024 19:32:23	0	0
114852	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	12/29/2024 10:29:16	12/29/2024 14:13:12	223	0
114854	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - OCCIDENTAL METERING (OXYM) 115KV LINE	12/29/2024 10:20:00	12/29/2024 10:20:43	0	0
114856	DEF	DEF North	CARRABELLE (CRBL) - CRAWFORDVILLE (CRAW) 69KV LINE	12/29/2024 08:09:23	12/29/2024 08:09:31	0	0
114996	DEF	DEF Coastal	LARGO*	12/28/2024 09:15:38	12/28/2024 09:45:48	30	2589
114808	DEF	DEF Central	NARCOOSSEE (NARC) 13KV BUS 2A	12/27/2024 05:07:44	12/27/2024 11:38:00	390	3322
114810	DEF	DEF North	OCCIDENTAL METERING (OXYM) - OCCIDENTAL 3 (OC3L) 115KV LINE	12/27/2024 03:38:53	12/27/2024 03:38:57	0	0
114822	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	12/26/2024 08:11:27	12/26/2024 09:36:01	84	0
114802	DEF	DEF Central	DUNDEE (DUND) - HAINES CITY EAST (HCTE) 230KV CIRCUIT 2	12/25/2024 14:24:11	12/25/2024 14:24:43	0	0
114824	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	12/24/2024 15:13:00	12/24/2024 16:46:14	93	0
114798	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	12/23/2024 20:04:23	12/23/2024 20:43:07	38	0
114784	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	12/22/2024 08:11:37	12/22/2024 08:11:41	0	0
114786	DEF	DEF Central	SOUTH FORT MEADE (SFMD) BK4	12/21/2024 19:14:25	12/21/2024 21:21:29	127	0
114764	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	12/19/2024 14:17:58	12/19/2024 14:17:58	0	0
114758	DEF	DEF Coastal	LARGO (LRGO) - ULMERTON WEST (ULMW) 69KV LINE	12/19/2024 08:08:23	12/19/2024 08:10:31	2	0
114760	DEF	DEF Coastal	ULMERTON WEST (ULMW) - WALSINGHAM (WALS) 69KV LINE	12/19/2024 08:08:23	12/19/2024 08:10:28	2	0
114746	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	12/17/2024 18:43:58	12/17/2024 18:44:06	0	0
114738	DEF	DEF Coastal	BROOKER CREEK (BROK) BK1	12/17/2024 07:58:25	12/17/2024 09:29:33	91	0
114734	DEF	DEF Coastal	NEW RIVER (NWRV) - ZEPHYRHILLS NORTH (ZPHN) 115KV ZNR LINE	12/16/2024 18:07:35	12/17/2024 16:55:55	1368	0
114732	DEF	DEF Coastal	ZEPHYRHILLS NORTH (ZPHN) - (TECO) DADE CITY (DADE) 69KV LINE	12/16/2024 15:28:22	12/16/2024 15:28:31	0	0
114730	DEF	DEF Central	CABBAGE ISLAND (CABI) - POINCIANA (POIN) 69KV LINE	12/16/2024 12:17:03	12/16/2024 12:17:09	0	0
114712	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N360 NUTRIEN FEEDER 25KV (N360 LINE)	12/14/2024 14:48:26	12/14/2024 14:48:28	0	0
114714	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N360 NUTRIEN FEEDER 25KV (N360 LINE)	12/14/2024 14:23:22	12/14/2024 14:23:26	0	0
114706	DEF	DEF Central	LAKE PLACID NORTH (LKPN) BK2	12/14/2024 10:54:12	12/14/2024 15:42:00	287	0
114702	DEF	DEF Central	LAKE PLACID NORTH (LKPN) BK2	12/12/2024 22:47:08	12/13/2024 00:30:58	103	402
114696	DEF	DEF Central	HINES (HINE) CT4B	12/12/2024 12:23:26	12/12/2024 12:23:27	0	0
114698	DEF	DEF Central	HINES (HINE) CT4A	12/12/2024 12:22:22	12/12/2024 12:22:23	0	0
114692	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	12/11/2024 14:40:14	12/11/2024 16:54:00	133	0
114686	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	12/11/2024 12:52:29	12/11/2024 16:38:00	225	0
114688	DEF	DEF Central	CENTRAL FLORIDA (CFLA) - KATHLEEN (KATH) 500KV CFK LINE	12/11/2024 12:35:56	12/11/2024 17:21:00	285	0
114682	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	12/11/2024 11:33:32	12/11/2024 12:34:37	61	0
114680	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	12/10/2024 23:18:48	12/10/2024 23:18:48	0	0
114656	DEF	DEF Coastal	BARTOW (BART) CT4B	12/08/2024 08:45:34	12/08/2024 08:46:00	0	0
114658	DEF	DEF Coastal	HAMMOCK (HMMK) BK1	12/08/2024 01:17:57	12/08/2024 01:18:00	0	0
114660	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	12/06/2024 21:54:58	12/06/2024 21:55:06	0	0
114574	DEF	DEF North	CRAWFORDVILLE (CRAW) - JACKSON BLUFF (JBLF) 69KV LINE	12/04/2024 18:45:38	12/05/2024 13:28:19	1122	0
114560	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	12/04/2024 07:41:46	12/04/2024 07:43:32	1	0
114562	DEF	DEF North	JASPER SOUTH (JASS) - JENNINGS (JNNG) 69KV LINE	12/04/2024 07:10:52	12/04/2024 13:28:40	377	0
114548	DEF	DEF Central	SOUTH FORT MEADE (SFMD) BK4	12/04/2024 03:33:52	12/04/2024 05:21:12	107	0
114532	DEF	DEF Coastal	BROOKRIDGE (BKRK) BK2	12/03/2024 10:27:53	12/13/2024 16:40:30	14772	0
114530	DEF	DEF Central	HINES (HINE) CT3A	12/02/2024 18:28:40	12/02/2024 18:28:41	0	0
114510	DEF	DEF North	ANDERSEN (ANDR) - CENTRAL FLORIDA (CFLA) 230KV LINE	12/02/2024 04:58:50	12/10/2024 15:39:56	12161	0
114498	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K737 MOSAIC FEEDER 25KV (K737MX LINE)	12/01/2024 14:48:19	12/01/2024 14:48:29	0	0
114500	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	12/01/2024 10:45:07	12/01/2024 10:45:07	0	0

114502	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K739 MOSAIC FEEDER 25KV (K739MX LINE)	12/01/2024 07:56:55	12/01/2024 07:57:03	0	0
114504	DEF	DEF North	SOPCHOPPY (SOPC) BK1	11/30/2024 06:08:10	11/30/2024 09:55:00	226	1555
114506	DEF	DEF North	IDYLWILD (IDYW) - (CEC) PHIFER ROCHELLE (PHF4) 69KV IR LINE	11/28/2024 17:06:35	11/29/2024 00:21:56	435	0
114508	DEF	DEF North	IDYLWILD (IDYW) - (CEC) PHIFER ROCHELLE (PHF4) 69KV IR LINE	11/28/2024 16:50:05	11/28/2024 16:50:51	0	0
114488	DEF	DEF Central	LAKE PLACID (LPLC) - LAKE PLACID NORTH (LKPN) 69KV LINE	11/28/2024 03:13:29	11/28/2024 03:13:35	0	0
114478	DEF	DEF Coastal	BARTOW (BART) CT4B	11/26/2024 10:57:01	11/26/2024 10:57:02	0	0
114470	DEF	DEF North	OCCIDENTAL METERING (OXYM) - OCCIDENTAL 3 (OC3L) 115KV LINE	11/25/2024 22:29:04	11/25/2024 22:29:31	0	0
114464	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	11/24/2024 20:53:07	11/24/2024 20:53:07	0	0
114458	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	11/24/2024 13:52:29	11/24/2024 13:52:39	0	0
114460	DEF	DEF Coastal	BARTOW (BART) CT4C	11/23/2024 17:59:54	11/23/2024 17:59:55	0	0
114452	DEF	DEF Central	TIGER BAY (TIGC) ST1	11/22/2024 22:26:55	11/22/2024 22:26:56	0	0
114454	DEF	DEF Central	TIGER BAY (TIGC) CT1	11/22/2024 22:17:03	11/22/2024 22:17:04	0	0
114438	DEF	DEF Central	FORT GREEN 10 (FG10) - F10MX MOSAIC FEEDER 25KV (F10MX LINE)	11/22/2024 07:59:23			0
114440	DEF	DEF Central	HINES (HINE) CT2A	11/21/2024 10:38:56	11/21/2024 10:38:57	0	0
114442	DEF	DEF Central	HINES (HINE) ST2S	11/21/2024 10:38:56	11/21/2024 10:38:57	0	0
114446	DEF	DEF Central	BONNET CREEK (BNTC) 13KV BUS 2	11/21/2024 10:28:20	11/21/2024 10:43:00	14	2098
114444	DEF	DEF Central	BONNET CREEK (BNTC) 13KV BUS 1	11/21/2024 10:28:20	11/21/2024 10:43:00	14	1245
114448	DEF	DEF Central	TIGER BAY (TIGC) ST1	11/21/2024 07:15:17	11/21/2024 07:15:18	0	0
114450	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	11/21/2024 00:25:44	11/21/2024 01:00:44	35	0
114410	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	11/19/2024 22:14:01	11/20/2024 06:21:10	487	0
114406	DEF	DEF Central	HINES (HINE) CT2A	11/19/2024 18:28:25	11/19/2024 18:28:26	0	0
114408	DEF	DEF Central	HINES (HINE) ST2S	11/19/2024 18:28:25	11/19/2024 18:28:26	0	0
114988	DEF	DEF Coastal	EAST CLEARWATER*	11/19/2024 08:48:27	11/19/2024 10:38:18	109	1424
114400	DEF	DEF Central	HINES (HINE) CT2A	11/19/2024 06:58:31	11/19/2024 06:58:32	0	0
114402	DEF	DEF Central	HINES (HINE) ST2S	11/19/2024 06:58:31	11/19/2024 06:58:32	0	0
114740	DEF	DEF Central	LAKE WALES	11/15/2024 16:42:48	11/15/2024 18:38:40	115	2250
114382	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	11/15/2024 15:36:53	11/15/2024 16:51:15	74	0
114368	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	11/14/2024 12:16:34	11/14/2024 13:05:20	48	0
114370	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	11/14/2024 08:23:48	11/14/2024 09:07:00	43	0
114356	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	11/13/2024 06:49:50	11/13/2024 06:49:58	0	0
114358	DEF	DEF North	HOLDER (HOLD) - ROSS PRAIRIE (ROSS) 230KV LINE	11/11/2024 08:23:52	11/11/2024 19:28:30	664	0
114296	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	11/11/2024 07:40:52	11/11/2024 07:40:52	0	0
114282	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	11/10/2024 02:54:54	11/10/2024 02:54:54	0	0
114284	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	11/09/2024 17:18:06	11/09/2024 17:18:18	0	0
114286	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	11/09/2024 10:14:20	11/09/2024 10:14:28	0	0
114272	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	11/08/2024 11:13:14	11/08/2024 12:34:08	80	0
114268	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	11/08/2024 00:00:05	11/08/2024 00:00:15	0	0
114252	DEF	DEF North	MARTIN WEST (MTNW) - ZUBER (ZUBR) 69KV LINE	11/07/2024 11:26:18	11/07/2024 16:01:18	275	0
114254	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	11/06/2024 19:52:55	11/06/2024 19:52:55	0	0
114256	DEF	DEF North	OCCIDENTAL 1 (OC1L) NUTRIEN FEEDER (N353) LOAD	11/06/2024 16:19:42	11/06/2024 16:54:00	34	0
114240	DEF	DEF North	OCCIDENTAL 1 (OC1L) NUTRIEN FEEDER (N355) LOAD	11/06/2024 15:10:48	11/07/2024 11:08:00	1197	0
114242	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N360 NUTRIEN FEEDER 25KV (N360 LINE)	11/06/2024 15:05:32	11/06/2024 15:05:34	0	0
114236	DEF	DEF Central	PIEDMONT (PIED) - PLYMOUTH SOUTH (PLYS) 69KV LINE	11/06/2024 10:19:03	11/06/2024 10:19:14	0	0
114238	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	11/06/2024 07:45:10	11/06/2024 07:45:20	0	0
114216	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	11/04/2024 18:59:03	11/06/2024 00:22:18	1763	0
114218	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	11/04/2024 18:33:13	11/04/2024 20:00:19	87	0
114192	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	11/03/2024 04:52:07	11/03/2024 07:56:16	184	0
114194	DEF	DEF Coastal	ULMERTON (ULMR) 13KV BUS 1	11/03/2024 03:47:59	11/03/2024 05:14:00	86	3750
114184	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	11/02/2024 17:38:18	11/02/2024 23:55:28	377	0
114186	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	11/02/2024 14:13:58	11/02/2024 14:14:02	0	0

114174	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	10/31/2024 12:45:10	10/31/2024 13:46:29	61	0
114168	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	10/31/2024 05:59:10	10/31/2024 05:59:18	0	0
114160	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	10/30/2024 06:07:05	10/30/2024 09:24:00	196	0
114162	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	10/29/2024 20:25:55	10/29/2024 21:44:00	78	0
114132	DEF	DEF Central	DESOTO CITY (DSOC) - PHILLIPS (PHIL) - DINNER LAKE (DNRL) 69KV LINE	10/29/2024 08:07:25	10/29/2024 08:07:33	0	0
114134	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	10/28/2024 22:04:10	10/28/2024 22:45:32	41	0
114102	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	10/25/2024 21:56:14	10/25/2024 21:56:14	0	0
114082	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	10/25/2024 11:28:30	10/25/2024 12:20:32	52	0
114104	DEF	DEF Coastal	HIGGINS	10/25/2024 01:42:54			0
114054	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	10/23/2024 07:58:08	10/23/2024 07:58:16	0	0
114050	DEF	DEF North	OCCIDENTAL METERING (OXYM) - OCCIDENTAL 3 (OC3L) 115KV LINE	10/23/2024 05:55:59	10/23/2024 05:56:03	0	0
114044	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	10/22/2024 10:54:51	10/22/2024 11:07:59	13	0
114046	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	10/22/2024 10:54:51	10/22/2024 11:08:21	13	0
111758	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	09/25/2024 01:45:12	09/25/2024 02:07:30	22	0
111704	DEF	DEF Coastal	DUNNELLO TOWN (DNLN) - ADAMS (ADAM) 69KV LINE	09/24/2024 18:12:43	09/24/2024 18:12:55	0	0
111696	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	09/24/2024 00:15:50	09/24/2024 00:16:00	0	0
111648	DEF	DEF Coastal	DISSTON (DISS) BK2	09/22/2024 02:03:26	09/22/2024 03:47:15	103	0
111650	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	09/21/2024 12:24:48	09/21/2024 12:24:56	0	0
111652	DEF	DEF Coastal	SAFETY HARBOR (SFHR) BK1	09/20/2024 22:31:12	09/20/2024 22:31:22	0	0
111654	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	09/19/2024 21:03:00	09/19/2024 21:44:04	41	0
111576	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	09/18/2024 22:35:16	09/18/2024 22:35:29	0	0
111560	DEF	DEF Central	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	09/18/2024 04:29:49	09/18/2024 05:34:17	64	0
111562	DEF	DEF Central	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	09/17/2024 20:40:04	09/18/2024 09:37:41	777	0
111530	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	09/16/2024 21:15:38	09/16/2024 21:15:47	0	0
111532	DEF	DEF Central	CONWAY (CNWY) 13KV BUS 2	09/16/2024 20:28:46	09/16/2024 22:37:00	128	0
111516	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K737 MOSAIC FEEDER 25KV (K737MX LINE)	09/16/2024 08:18:55	09/16/2024 08:19:03	0	0
111506	DEF	DEF Central	FORT GREEN 10 (FG10) - F10MX MOSAIC FEEDER 25KV (F10MX LINE)	09/15/2024 12:19:10	09/15/2024 17:09:06	289	0
111508	DEF	DEF North	ROSS PRAIRIE (ROSS) - (SECO) SUMMERGLEN (SGL3) - (SECO) WATERWAYS (WWY3) 69KV LINE	09/15/2024 07:51:32	09/15/2024 07:51:50	0	0
111486	DEF	DEF Coastal	BARTOW (BART) CT4A	09/14/2024 11:38:12	09/14/2024 11:38:12	0	0
111488	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	09/14/2024 10:37:29	09/16/2024 14:47:49	3130	0
111472	DEF	DEF North	OCCIDENTAL METERING (OXYM) - OCCIDENTAL 3 (OC3L) 115KV LINE	09/13/2024 16:59:21	09/13/2024 16:59:41	0	0
111474	DEF	DEF Central	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	09/13/2024 15:18:05	09/13/2024 16:23:17	65	0
111476	DEF	DEF North	OCCIDENTAL METERING (OXYM) - OCCIDENTAL 3 (OC3L) 115KV LINE	09/13/2024 13:37:52	09/13/2024 13:37:56	0	0
111464	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	09/13/2024 08:50:41	09/13/2024 09:50:41	60	0
111466	DEF	DEF North	OCCIDENTAL METERING (OXYM) - OCCIDENTAL 3 (OC3L) 115KV LINE	09/13/2024 08:40:50	09/13/2024 08:41:06	0	0
111462	DEF	DEF North	APALACHICOLA (APAL) - CARRABELLE (CRBL) 69KV LINE	09/13/2024 06:33:08	09/13/2024 06:33:17	0	0
111458	DEF	DEF Central	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	09/13/2024 03:53:29	09/13/2024 04:43:00	49	0
111460	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	09/13/2024 03:50:53	09/13/2024 03:51:03	0	0
111448	DEF	DEF North	CRAWFORDVILLE (CRAW) - JACKSON BLUFF (JBLF) 69KV LINE	09/12/2024 12:58:42	09/12/2024 12:58:50	0	0
111450	DEF	DEF North	OCCIDENTAL METERING (OXYM) - OCCIDENTAL 3 (OC3L) 115KV LINE	09/12/2024 11:49:25	09/12/2024 11:56:27	7	0
111426	DEF	DEF Central	FROSTPROOF (FSPF) - LAKE WALES (LKWL) 69KV LINE	09/10/2024 19:09:31	09/10/2024 19:09:37	0	0
111430	DEF	DEF Central	EAST LAKE WALES (ELWL) - (PRECO) INDIAN LAKES ESTATES (ILE1) 69KV LINE	09/10/2024 19:02:13	09/10/2024 19:06:35	4	0
111428	DEF	DEF Central	FROSTPROOF (FSPF) - LAKE WALES (LKWL) 69KV LINE	09/10/2024 19:02:13	09/10/2024 19:02:17	0	0
111432	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	09/10/2024 18:20:25	09/10/2024 19:02:43	42	0
111434	DEF	DEF Central	PINECASTLE (PINE) BK1	09/10/2024 16:40:23	09/10/2024 21:44:29	304	3110
111510	DEF	DEF Coastal	ULMERTON*	09/10/2024 11:25:43	09/10/2024 15:22:25	236	0
111416	DEF	DEF Central	OVIDO (OVDO) BK1	09/10/2024 04:49:12	09/10/2024 06:55:40	126	0
111398	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	09/09/2024 03:48:21	09/09/2024 04:17:53	29	0
111400	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	09/08/2024 20:51:29	09/08/2024 20:51:37	0	0
111386	DEF	DEF Central	BOGGY MARSH (BGMS) - SAWGRASS (SWGP) 69KV LINE	09/08/2024 19:29:36	09/08/2024 19:29:50	0	0
111378	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	09/08/2024 12:35:34	09/08/2024 12:36:16	0	0

111380	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	09/08/2024 12:33:34	09/08/2024 12:33:40	0	0
111382	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	09/08/2024 12:31:48	09/08/2024 12:31:54	0	0
111384	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	09/08/2024 12:29:46	09/08/2024 12:29:52	0	0
111374	DEF	DEF Central	CANOE CREEK (CANC) BK1	09/06/2024 23:10:26	09/07/2024 01:23:05	132	695
111376	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	09/06/2024 20:24:38	09/06/2024 20:24:50	0	0
111368	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	09/06/2024 19:52:04	09/06/2024 19:52:12	0	0
111370	DEF	DEF Coastal	BROOKSVILLE (BKVL) - FLORAL CITY (FLRC) 69KV LINE	09/06/2024 19:49:13	09/06/2024 19:49:19	0	0
111362	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	09/05/2024 21:41:25	09/05/2024 21:41:33	0	0
111346	DEF	DEF Coastal	DENHAM (DNHM) BK1	09/05/2024 20:08:51	10/23/2024 12:55:28	68686	6691
111342	DEF	DEF Central	ALTAMONTE (ALMT) - SPRING LAKE (SPLK) 230KV LINE	09/05/2024 18:21:43	09/05/2024 18:21:53	0	0
111364	DEF	DEF Central	DOUGLAS AVENUE (DOUG) - SPRING LAKE (SPLK) 69KV LINE	09/05/2024 18:21:41	09/05/2024 21:02:39	160	0
111422	DEF	DEF Central	LOCKHART	09/05/2024 18:07:04	09/05/2024 18:43:12	36	610
111338	DEF	DEF Coastal	BROOKRIDGE (BKRG) - TWIN COUNTY RANCH (TWCO) 115KV LINE	09/05/2024 16:09:49	09/05/2024 16:11:21	1	0
111326	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K737 MOSAIC FEEDER 25KV (K737MX LINE)	09/04/2024 22:11:49	09/04/2024 22:11:57	0	0
111328	DEF	DEF North	CIRCLE SQUARE (CSQR) - ROSS PRAIRIE (ROSS) 69KV LINE	09/04/2024 21:56:35	09/04/2024 21:56:41	0	0
111324	DEF	DEF Coastal	BAYBORO PEAKERS (BYBP) - BAYBORO SOUTH (BYBS) 115KV LINE	09/04/2024 18:39:00	09/04/2024 23:01:29	262	0
111320	DEF	DEF Coastal	ZEPHYRHILLS NORTH (ZPHN) - (TECO) DADE CITY (DADE) 69KV LINE	09/04/2024 16:56:21	09/04/2024 16:56:29	0	0
111314	DEF	DEF Central	FORT GREEN 4 (FGN4) - F4MX MOSAIC FEEDER 25KV (F4MX LINE)	09/04/2024 16:26:50	09/05/2024 07:10:43	883	0
111322	DEF	DEF Central	PARKER BRANCH (PKBR) - PBMX1 MOSAIC FEEDER 69KV (PBMX1 LINE)	09/04/2024 15:34:57	09/04/2024 15:38:03	3	0
111318	DEF	DEF Central	PARKER BRANCH (PKBR) - PBMX2 MOSAIC FEEDER 69KV (PBMX2 LINE)	09/04/2024 15:34:57	09/04/2024 16:56:53	81	0
111316	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	09/04/2024 15:34:57	09/04/2024 15:34:58	0	0
111302	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	09/04/2024 09:53:30	09/04/2024 10:42:34	49	0
111300	DEF	DEF Central	SPRING LAKE (SPLK) BK2	09/03/2024 15:35:37	11/15/2024 10:27:18	104811	0
111298	DEF	DEF Central	SPRING LAKE (SPLK) 13KV BUS 2	09/03/2024 15:35:37	09/03/2024 19:00:07	204	6978
111290	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	09/03/2024 11:31:55	09/03/2024 13:43:17	131	0
111282	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	09/02/2024 20:21:03	09/02/2024 20:42:39	21	0
111276	DEF	DEF Central	AVON PARK (AVPK) - SINGLETARY SWITCHING STATION (SGTY) 230KV LINE	09/02/2024 19:32:38	09/03/2024 16:35:22	1262	0
111278	DEF	DEF Coastal	BROOKRIDGE (BKRG) - BROOKSVILLE WEST (BKVW) 115KV BBW CIRCUIT 1	09/02/2024 15:48:30	09/02/2024 15:49:00	0	0
111280	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	09/02/2024 14:39:50	09/02/2024 14:40:00	0	0
111248	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	09/01/2024 21:46:07	09/02/2024 00:59:00	192	0
111250	DEF	DEF Coastal	HOLDER (HOLD) - POWERLINE (PWRL) 230KV CIRCUIT 3	09/01/2024 19:35:26	09/01/2024 19:35:36	0	0
111252	DEF	DEF Coastal	DENHAM (DNHM) 69KV BUS 3	09/01/2024 18:26:04	09/01/2024 21:54:26	208	0
111286	DEF	DEF Central	DINNER LAKE (DNRL) - SUN N LAKES (SUNL) 69KV LINE	08/31/2024 12:13:49	08/31/2024 12:13:57	0	0
111184	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	08/30/2024 13:41:20	08/30/2024 13:41:26	0	0
111168	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K737 MOSAIC FEEDER 25KV (K737MX LINE)	08/29/2024 20:26:25	08/29/2024 20:26:33	0	0
111152	DEF	DEF Central	DRY PRAIRIE (DRPR) - DPMX3 MOSAIC FEEDER 69KV (DPMX3 LINE)	08/29/2024 15:08:44	08/29/2024 16:04:32	55	0
111144	DEF	DEF North	BRADFORDVILLE WEST (BRDW) - DRIFTON (DFTN) 115KV LINE	08/28/2024 23:05:44	08/28/2024 23:05:48	0	0
111146	DEF	DEF North	CARRABELLE (CRBL) - GUMBAY (GMBY) 69KV LINE	08/28/2024 23:04:15	08/28/2024 23:04:25	0	0
111132	DEF	DEF Central	HOLOPAW (HOLO) - (FPL) POINSETT (PSET) 230KV LINE	08/28/2024 19:18:55	08/28/2024 19:19:31	0	0
111134	DEF	DEF Coastal	PILSBURY (PLSB) BK2	08/28/2024 17:22:59	08/28/2024 17:23:00	0	0
111126	DEF	DEF North	ST. JOHNS POD (STJP) - (SECO) PAISLEY (PAY3) 69KV LINE	08/28/2024 15:05:19	08/28/2024 15:05:39	0	0
111114	DEF	DEF Central	FORT GREEN 10 (FG10) - F10MX MOSAIC FEEDER 25KV (F10MX LINE)	08/28/2024 11:12:05	08/28/2024 12:16:33	64	0
113164	DEF	DEF Coastal	BROOKER CREEK	08/28/2024 08:35:10	08/28/2024 08:35:26	0	0
111104	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	08/28/2024 00:02:18	08/28/2024 00:23:02	20	0
111096	DEF	DEF North	CENTRAL FLORIDA (CFLA) - ORANGE BLOSSOM (OBLS) 69KV LINE	08/27/2024 15:58:33	08/27/2024 15:58:41	0	0
111086	DEF	DEF Central	CYPRESSWOOD (CYPW) - HAINES CITY (HAIN) 69KV LINE	08/26/2024 15:09:20	08/26/2024 15:09:36	0	0
111088	DEF	DEF Central	COUNTRY OAKS (COAK) - LAKE WALES (LKWL) 69KV LINE	08/26/2024 15:07:15	08/26/2024 15:10:51	3	0
111090	DEF	DEF Central	DUNDEE (DUND) - LAKE WALES (LKWL) 69KV LINE	08/26/2024 14:46:41	08/30/2024 13:37:15	5690	0
111082	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	08/26/2024 12:53:50	08/26/2024 13:38:28	44	0
111076	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	08/26/2024 09:43:56	08/26/2024 10:23:56	40	0

111068	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	08/25/2024 15:10:23	08/25/2024 16:08:47	58	0
111070	DEF	DEF Coastal	CRYSTAL RIVER (CRPL) G4	08/25/2024 13:00:51	08/25/2024 13:04:00	3	0
111032	DEF	DEF Coastal	HOLDER (HOLD) - POWERLINE (PWRL) 230KV CIRCUIT 3	08/23/2024 14:41:32	08/23/2024 14:41:40	0	0
111026	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	08/23/2024 12:39:48	08/23/2024 13:29:10	49	0
111028	DEF	DEF Central	MONTVERDE (MTVD) BK1	08/23/2024 11:58:47	08/23/2024 13:00:09	61	0
111030	DEF	DEF Central	MONTVERDE (MTVD) BK2	08/23/2024 11:37:31	08/23/2024 13:01:49	84	0
111022	DEF	DEF Central	ALAFAYA (ALFY) - UCF NORTH (UCFN) 69KV LINE	08/22/2024 16:05:02	08/22/2024 16:05:31	0	0
111012	DEF	DEF Coastal	ZEPHRYHILLS NORTH (ZPHN) - (WREC) CRYSTAL SPRINGS (CSS2) 69KV ZNCS LINE	08/22/2024 07:51:20	08/22/2024 07:52:04	0	0
111006	DEF	DEF North	JASPER SOUTH (JASS) - (SOCO) PINE GROVE (PNGV) 115KV LINE	08/22/2024 03:14:18	08/22/2024 03:14:22	0	0
111008	DEF	DEF North	JASPER SOUTH (JASS) 69KV BKR 7664 + CAP BANK	08/22/2024 03:14:18	08/22/2024 03:14:19	0	0
111002	DEF	DEF Central	LAKE LOUISA (LLOU) - SAWGRASS (SWGP) 69KV LINE	08/21/2024 18:16:49	08/21/2024 18:17:10	0	0
111004	DEF	DEF Coastal	ANCLOTE (ANCL) G2	08/21/2024 15:05:05	08/21/2024 15:05:06	0	0
110988	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	08/20/2024 17:42:25	08/20/2024 17:42:25	0	0
110982	DEF	DEF Central	TURNER (TURN) - (FPL) SANFORD (SANF) 115KV LINE	08/20/2024 01:57:43	08/20/2024 18:58:48	1021	0
110950	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	08/17/2024 07:01:16	08/17/2024 07:01:24	0	0
110952	DEF	DEF Central	PEACOCK (PCOK) MOSAIC FEEDER (5584)	08/16/2024 08:00:00	08/16/2024 12:57:00	297	0
110912	DEF	DEF Central	HORSE CREEK (HORS) MOSAIC FEEDER (HRMX)	08/15/2024 18:51:00	08/15/2024 19:52:50	61	0
110914	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - PEACOCK (PCOK) 69KV LINE	08/15/2024 17:50:25	08/15/2024 17:50:33	0	0
110898	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	08/15/2024 07:29:15	08/15/2024 08:06:45	37	0
110896	DEF	DEF Central	HORSE CREEK (HORS) MOSAIC FEEDER (HRMX)	08/14/2024 22:17:00	08/14/2024 23:07:57	50	0
110890	DEF	DEF Central	PEACOCK (PCOK) - 5584 MOSAIC FEEDER 69KV (PCMX LINE)	08/14/2024 16:26:00	08/14/2024 17:57:23	91	0
110888	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	08/14/2024 05:53:00	08/14/2024 08:13:14	140	0
110862	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	08/13/2024 07:55:03	08/13/2024 07:55:13	0	0
110856	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	08/12/2024 19:17:02	08/12/2024 22:13:30	176	0
110858	DEF	DEF North	JASPER SOUTH (JASS) 115KV BKR 7645 + CAP BANK	08/12/2024 19:16:16	08/13/2024 09:06:19	830	0
110860	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV WEST CIRCUIT	08/12/2024 19:16:14	08/12/2024 19:16:22	0	0
110848	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	08/12/2024 15:02:24	08/12/2024 15:22:08	19	0
110842	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	08/12/2024 14:43:10	08/12/2024 17:14:44	151	0
110846	DEF	DEF North	COLEMAN (CLMN) - (SECO) LANDSTONE (LND3) 69KV LINE	08/12/2024 13:46:02	08/12/2024 13:46:04	0	0
110844	DEF	DEF North	SOUTHERN OAKS (SOAK) - (SECO) FEDERAL (FED3) 69KV SOF LINE	08/12/2024 13:46:02	08/12/2024 13:46:08	0	0
110814	DEF	DEF Central	FROSTPROOF (FSPF) - LAKE WALES (LKWL) 69KV LINE	08/11/2024 16:11:38	08/11/2024 16:11:42	0	0
110816	DEF	DEF Central	DAVENPORT (DVPT) - WEST DAVENPORT (WDVP) 69KV LINE	08/11/2024 15:16:07	08/11/2024 15:16:13	0	0
110818	DEF	DEF Coastal	BROOKSVILLE (BKVL) - FLORAL CITY (FLRC) 69KV LINE	08/11/2024 13:22:23	08/11/2024 13:22:31	0	0
110806	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	08/10/2024 16:36:23	08/10/2024 16:36:23	0	0
110808	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	08/09/2024 21:33:06	08/09/2024 22:21:46	48	0
110832	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	08/09/2024 17:01:10	08/09/2024 17:01:20	0	0
110776	DEF	DEF North	SILVER SPRINGS (SVSP) - ZUBER (ZUBR) 69KV LINE	08/08/2024 19:06:33	08/08/2024 19:06:37	0	0
110778	DEF	DEF North	ZUBER (ZUBR) BK2	08/08/2024 19:06:33	09/29/2024 17:59:00	74812	0
110704	DEF	DEF Coastal	CRYSTAL RIVER (CRPL) - CRYSTAL RIVER (CRPL) RAT TRANSFORMERS 230KV LINE	08/07/2024 20:36:40	08/09/2024 12:29:29	2392	0
110688	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	08/07/2024 13:55:35	08/07/2024 14:31:25	35	0
110686	DEF	DEF North	SILVER SPRINGS SHORES (SVSS) 13KV BUS 1	08/07/2024 10:23:08	08/07/2024 17:41:00	437	5340
110780	DEF	DEF Central	PEACOCK (PCOK) MOSAIC FEEDER (5584)	08/07/2024 09:45:00	08/08/2024 11:19:52	1534	0
110474	DEF	DEF Central	DELTONA (DTNA) - MONASTERY (MONA) 115KV LINE	08/02/2024 19:11:28	08/02/2024 19:11:39	0	0
111408	DEF	DEF Central	LAKEWOOD*	08/02/2024 18:32:36	08/03/2024 12:57:03	1104	1089
110468	DEF	DEF North	COUNTY LINE SOLAR (CLSO) BK1	08/02/2024 16:54:04	08/02/2024 16:54:05	0	0
110462	DEF	DEF North	COLUMBIA SWITCHING STATION (CLMB) - FORT WHITE (FWHT) 69KV LINE	08/02/2024 14:15:50	08/02/2024 14:16:00	0	0
110464	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	08/02/2024 14:00:09	08/02/2024 14:28:23	28	0
110442	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	08/01/2024 21:27:47	08/02/2024 06:44:57	557	0
110426	DEF	DEF Central	HAINES CITY EAST (HCTE) - POINCIANA (POIN) 69KV LINE	08/01/2024 18:07:16	08/01/2024 18:07:19	0	0
110428	DEF	DEF Central	CABBAGE ISLAND (CABI) - POINCIANA (POIN) 69KV LINE	08/01/2024 17:59:48	08/01/2024 17:59:54	0	0

110402	DEF	DEF North	CENTER HILL (CTRH) BK1	08/01/2024 15:58:33	08/01/2024 15:58:33	0	0
110398	DEF	DEF North	CIRCLE SQUARE (CSQR) - SILVER SPRINGS (SVSP) 69KV LINE	08/01/2024 15:06:32	08/01/2024 15:06:40	0	0
110396	DEF	DEF Coastal	LAKE TARPON (LTPN) - SEVEN SPRINGS (SEVS) 230KV LTS LINE	08/01/2024 13:37:56	08/01/2024 13:38:04	0	0
110386	DEF	DEF Coastal	FLORAL CITY (FLRC) 69KV BKR 2911 + CAP BANK	07/31/2024 23:03:54	08/01/2024 02:02:12	178	0
110366	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - VANDOLAH (VAND) 69KV CIRCUIT 2	07/30/2024 23:46:52	07/30/2024 23:46:58	0	0
110330	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV EAST CIRCUIT	07/30/2024 18:02:39	07/30/2024 18:02:45	0	0
110332	DEF	DEF North	SOUTHERN OAKS (SOAK) - (SECO) FEDERAL (FED3) 69KV SOF LINE	07/30/2024 17:15:18	07/30/2024 17:15:24	0	0
110300	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	07/29/2024 19:56:45	07/29/2024 19:56:52	0	0
110302	DEF	DEF Central	VANDOLAH (VAND) - WAUCHULA POD (WACP) 69KV VW LINE	07/29/2024 19:45:37	07/29/2024 19:45:45	0	0
110304	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	07/29/2024 19:39:03	07/29/2024 19:39:06	0	0
110306	DEF	DEF Central	FORT GREEN 4 (FGN4) - F4MX MOSAIC FEEDER 25KV (F4MX LINE)	07/29/2024 19:20:45	07/30/2024 09:20:30	839	0
110308	DEF	DEF Coastal	BROOKSVILLE WEST (BKVW) - HUDSON (HUDS) 115KV LINE	07/29/2024 17:31:46	07/29/2024 17:31:56	0	0
110298	DEF	DEF North	CARRABELLE (CRBL) - CRAWFORDVILLE (CRAW) 69KV LINE	07/29/2024 16:12:05	07/29/2024 16:12:13	0	0
110248	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - TWIN COUNTY RANCH (TWCO) 115KV LINE	07/29/2024 14:30:31	07/29/2024 20:56:58	386	0
110244	DEF	DEF Coastal	BROOKSVILLE (BKVL) - (TECO) UNION HALL (UHAL) 69KV LINE	07/29/2024 12:07:49	07/29/2024 12:07:51	0	0
110234	DEF	DEF Coastal	PASADENA (PASA) - SEMINOLE (SMNL) 230KV LINE	07/29/2024 07:21:05	07/29/2024 07:21:09	0	0
110228	DEF	DEF North	CENTRAL FLORIDA (CFLA) BK5	07/29/2024 02:52:17	07/29/2024 14:43:42	711	0
110214	DEF	DEF Central	BONNET CREEK (BNTC) - LAKE BRYAN (LBRY) 69KV LINE	07/28/2024 16:10:37	07/28/2024 16:10:43	0	0
110216	DEF	DEF North	JASPER SOUTH (JASS) - (SOCO) PINE GROVE (PNGV) 115KV LINE	07/27/2024 18:49:02	07/27/2024 18:49:04	0	0
110218	DEF	DEF Central	HINES (HINE) CT2B	07/27/2024 18:06:06	07/27/2024 18:06:07	0	0
110220	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	07/27/2024 17:36:30	07/27/2024 18:36:12	59	0
110222	DEF	DEF North	DRIFTON (DFTN) - PERRY (PRRY) 115KV DP2 LINE	07/27/2024 16:57:28	07/27/2024 16:57:33	0	0
110224	DEF	DEF North	APALACHICOLA (APAL) - CARRABELLE (CRBL) 69KV LINE	07/27/2024 12:47:44	07/27/2024 12:47:50	0	0
110200	DEF	DEF Central	VANDOLAH (VAND) - (SECI) HARDEE (HARD) 230KV CIRCUIT 2	07/27/2024 00:43:21	07/27/2024 00:43:25	0	0
110178	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	07/26/2024 08:08:58	07/26/2024 09:36:00	87	0
110180	DEF	DEF Coastal	BROOKRIDGE (BKRG) - POWERLINE (PWRL) 230KV LINE	07/25/2024 17:25:11	07/25/2024 17:25:19	0	0
110182	DEF	DEF Coastal	HUDSON (HUDS) - (WREC) HAYES (HAY2) 115KV HPTX LINE	07/25/2024 17:04:03	07/25/2024 17:04:09	0	0
110170	DEF	DEF Coastal	EAST CLEARWATER (ECLW) - ULMERTON (ULMR) 230KV LINE	07/25/2024 16:49:58	07/25/2024 16:50:04	0	0
110166	DEF	DEF Coastal	BROOKER CREEK (BROK) - HIGGINS (HIGG) 115KV LINE	07/25/2024 14:34:08	07/26/2024 00:02:11	568	0
110154	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	07/25/2024 07:19:24	07/25/2024 07:19:32	0	0
110124	DEF	DEF North	OCCIDENTAL METERING (OXYM) - OCCIDENTAL 3 (OC3L) 115KV LINE	07/25/2024 01:35:55	07/25/2024 04:50:27	194	0
110126	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - LECANTO (LECA) 115KV LINE	07/24/2024 22:14:29	07/24/2024 22:14:38	0	0
110128	DEF	DEF Central	CHAMPIONS GATE (CHMP) - DAVENPORT (DVPT) 69KV LINE	07/24/2024 21:45:38	07/24/2024 21:45:48	0	0
110130	DEF	DEF North	DUNNELTON TOWN (DNLN) - (SECO) RAINBOW LAKES ESTATES (RNB3) 69KV LINE	07/24/2024 19:51:54	07/24/2024 19:52:07	0	0
110132	DEF	DEF Coastal	BROOKSVILLE (BKVL) - FLORAL CITY (FLRC) 69KV LINE	07/24/2024 18:48:20	07/24/2024 18:48:26	0	0
110134	DEF	DEF Coastal	INVERNESS (INVS) - LECANTO (LECA) 115KV LINE	07/24/2024 18:39:28	07/24/2024 18:39:29	0	0
110136	DEF	DEF Central	FORT MEADE (FTMD) - HOMELAND (HMLD) 69KV LINE	07/24/2024 18:25:08	07/24/2024 18:26:58	1	0
110122	DEF	DEF Central	PEACOCK (PCOK) MOSAIC FEEDER (5584)	07/24/2024 17:14:00	07/24/2024 19:17:59	123	0
110106	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - TWIN COUNTY RANCH (TWCO) 115KV LINE	07/24/2024 10:19:15	07/25/2024 14:32:00	1692	0
110082	DEF	DEF Coastal	EAST CLEARWATER (ECLW) - ULMERTON (ULMR) 230KV LINE	07/23/2024 20:08:54	07/23/2024 20:08:58	0	0
110084	DEF	DEF Coastal	INVERNESS (INVS) - LECANTO (LECA) 115KV LINE	07/23/2024 20:07:45	07/23/2024 20:07:51	0	0
110074	DEF	DEF Coastal	BROOKSVILLE (BKVL) - (TECO) UNION HALL (UHAL) 69KV LINE	07/23/2024 19:03:39	07/23/2024 19:04:21	0	0
110076	DEF	DEF Coastal	BROOKSVILLE (BKVL) - (TECO) UNION HALL (UHAL) 69KV LINE	07/23/2024 18:46:33	07/23/2024 18:47:11	0	0
110062	DEF	DEF North	CROSS CITY (XCTY) - WILCOX (WLXC) 69KV LINE	07/23/2024 17:09:57	07/23/2024 17:10:03	0	0
110064	DEF	DEF Coastal	BROOKRIDGE (BKRG) - TWIN COUNTY RANCH (TWCO) 115KV LINE	07/23/2024 16:01:17	07/23/2024 23:36:32	455	2254
110058	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - TWIN COUNTY RANCH (TWCO) 115KV LINE	07/23/2024 16:01:15	07/24/2024 01:46:39	585	2582
110032	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - PEACOCK (PCOK) 69KV LINE	07/22/2024 18:11:08	07/22/2024 18:11:12	0	0
110034	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	07/22/2024 18:08:31	07/22/2024 18:53:15	44	0
110024	DEF	DEF Coastal	CHIEFLAND (CHIF) - INGLIS (INGL) 69KV LINE	07/22/2024 16:14:55	07/22/2024 16:15:03	0	0
110020	DEF	DEF Central	LAKE PLACID SOLAR (LKPS) - LAKE PLACID NORTH (LKPN) 69KV LINE	07/22/2024 13:00:19	07/22/2024 19:30:06	389	0

109944	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	07/20/2024 22:00:00	07/20/2024 22:00:10	0	0
109946	DEF	DEF North	DONA VISTA (DNVT) - EUSTIS (EUST) 69KV LINE	07/20/2024 19:58:58	07/20/2024 19:59:07	0	0
109948	DEF	DEF Central	PEACOCK (PCOK) MOSAIC FEEDER (5584)	07/20/2024 19:53:00	07/20/2024 22:18:00	145	0
109950	DEF	DEF North	DRIFTON (DFTN) BK1	07/20/2024 19:31:27	07/20/2024 23:01:00	209	0
109952	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	07/20/2024 18:44:01	07/21/2024 04:00:00	555	0
109954	DEF	DEF Central	HINES (HINE) - WEST LAKE WALES (WLWL) 230KV HWL2 CIRCUIT 2	07/20/2024 18:34:44	07/20/2024 18:34:52	0	0
109960	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	07/20/2024 18:09:44	07/20/2024 18:09:52	0	0
109962	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	07/20/2024 17:16:48	07/20/2024 17:16:54	0	0
109964	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV WEST CIRCUIT	07/20/2024 17:06:44	07/20/2024 17:06:54	0	0
109966	DEF	DEF North	COLUMBIA SWITCHING STATION (CLMB) - FORT WHITE (FWHT) 69KV LINE	07/20/2024 16:33:20	07/20/2024 16:33:28	0	0
109968	DEF	DEF North	COLUMBIA SWITCHING STATION (CLMB) - FORT WHITE (FWHT) 69KV LINE	07/20/2024 16:29:16	07/20/2024 16:29:24	0	0
109970	DEF	DEF Coastal	MAXIMO (MXMO) 13KV BUS 1A	07/20/2024 01:40:35	07/20/2024 03:30:00	109	5000
109972	DEF	DEF North	LAKE WEIR (LWER) - (CEC) LYNN (LYNN) 69KV LINE	07/19/2024 21:11:38	07/19/2024 21:11:42	0	0
109974	DEF	DEF North	DALLAS (DALS) - SILVER SPRINGS SHORES (SVSS) 69KV LINE	07/19/2024 21:05:01	07/19/2024 21:06:29	1	0
109976	DEF	DEF North	CENTRAL FLORIDA (CFLA) - ORANGE BLOSSOM (OBLS) 69KV LINE	07/19/2024 20:13:15	07/19/2024 20:13:19	0	0
109978	DEF	DEF North	CENTRAL FLORIDA (CFLA) - LEESBURG (LEBG) 69KV LINE	07/19/2024 20:13:14	07/19/2024 20:13:20	0	0
109980	DEF	DEF Coastal	HUDSON (HUDS) - (WREC) HAYES (HAY2) 115KV HPTX LINE	07/19/2024 18:45:19	07/19/2024 18:45:25	0	0
109982	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	07/19/2024 15:19:21	07/19/2024 16:26:24	67	0
109984	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - TWIN COUNTY RANCH (TWCO) 115KV LINE	07/19/2024 15:13:31	07/19/2024 15:13:35	0	0
109986	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV EAST CIRCUIT	07/19/2024 15:10:05	07/19/2024 15:10:11	0	0
109908	DEF	DEF Coastal	BROOKSVILLE (BKVL) - (TECO) UNION HALL (UHAL) 69KV LINE	07/19/2024 09:23:11	07/19/2024 09:24:13	1	0
110040	DEF	DEF Coastal	THIRTY SECOND ST*	07/18/2024 21:25:48	07/19/2024 15:01:02	1055	2472
109906	DEF	DEF Central	CAMP LAKE (CAMP) - CLERMONT (CLMT) 69KV LINE	07/18/2024 20:23:02	07/18/2024 20:23:11	0	0
109858	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - OCCIDENTAL METERING (OXYM) 115KV LINE	07/17/2024 12:37:32	07/17/2024 12:37:36	0	0
115026	DEF	DEF Central	DELTONA	07/17/2024 04:13:34	07/17/2024 05:19:37	66	354
111336	DEF	DEF Central	LAKEWOOD*	07/16/2024 22:19:24	07/16/2024 23:49:23	89	2060
109808	DEF	DEF Central	FROSTPROOF (FSPF) - LAKE WALES (LKWL) 69KV LINE	07/16/2024 16:28:34	07/16/2024 16:28:41	0	0
109810	DEF	DEF Central	FROSTPROOF (FSPF) 13KV BUS 1	07/16/2024 16:28:34	07/16/2024 16:28:35	0	0
109806	DEF	DEF Central	INTERCESSION CITY (ICTY) - LAKE BRYAN (LBRY) 230KV CIRCUIT 2	07/16/2024 16:04:20	07/16/2024 16:04:26	0	0
109802	DEF	DEF North	CENTRAL FLORIDA (CFLA) - DALLAS (DALS) 230KV LINE	07/16/2024 14:44:54	07/16/2024 14:45:03	0	0
115004	DEF	DEF North	SILVER SPRINGS SHORES	07/16/2024 14:44:53	07/16/2024 15:56:25	71	24458
109792	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	07/16/2024 07:24:36	07/16/2024 08:17:44	53	0
109778	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	07/15/2024 22:03:36	07/16/2024 00:27:28	143	0
109748	DEF	DEF North	ATWATER (AWTR) - QUINCY (QNCY) 115KV LINE	07/15/2024 13:28:33	07/15/2024 13:28:41	0	0
109746	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	07/15/2024 12:18:21	07/15/2024 12:18:31	0	0
109702	DEF	DEF Central	CABBAGE ISLAND (CABI) - POINCIANA (POIN) 69KV LINE	07/14/2024 20:16:07	07/14/2024 20:16:13	0	0
109704	DEF	DEF Coastal	PILSBURY (PLSB) BK2	07/14/2024 19:19:00	07/14/2024 19:19:05	0	0
109706	DEF	DEF Coastal	40TH STREET (ST40) BK1	07/14/2024 19:13:26	07/15/2024 15:14:10	1200	0
109708	DEF	DEF Central	HANCOCK ROAD (HKRD) - (OUC) METROWEST (MTRO) 230KV LINE	07/14/2024 17:39:40	07/14/2024 17:39:48	0	0
109710	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	07/14/2024 17:00:31	07/14/2024 17:00:41	0	0
109712	DEF	DEF Central	DESOTO CITY (DSOC) - LAKE PLACID NORTH (LKPN) 69KV LINE	07/14/2024 16:37:59	07/14/2024 16:38:07	0	0
109714	DEF	DEF Central	MULBERRY (MLBY) - MULBERRY UNIT 1A (MLBC) 69KV LINE	07/14/2024 11:52:15	07/14/2024 11:52:25	0	0
109672	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	07/13/2024 18:15:12	07/13/2024 18:15:17	0	0
109674	DEF	DEF North	HOWEY METERING #2 (HOWN) - OKAHUMPKA (OKHP) 69KV LINE	07/13/2024 14:40:45	07/13/2024 14:40:51	0	0
109676	DEF	DEF Coastal	BROOKRIDGE (BKRG) - TWIN COUNTY RANCH (TWCO) 115KV LINE	07/13/2024 13:14:43	07/13/2024 13:15:35	0	0
109664	DEF	DEF Central	BONNET CREEK (BNTC) - INTERCESSION CITY (ICTY) 69KV LINE	07/13/2024 11:11:21	07/13/2024 14:27:56	196	0
109666	DEF	DEF Central	BONNET CREEK (BNTC) 13KV BUS 1	07/13/2024 11:11:21	07/13/2024 15:02:34	231	0
109678	DEF	DEF Central	PEACOCK (PCOK) MOSAIC FEEDER (5584)	07/12/2024 15:18:00	07/13/2024 15:29:23	1451	0
109668	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	07/12/2024 13:57:16	07/12/2024 15:59:24	122	0
111410	DEF	DEF Central	DINNER LAKE	07/11/2024 22:09:13	07/11/2024 22:51:33	42	3353

109630	DEF	DEF Central	FORT GREEN 10 (FG10) - F10MX MOSAIC FEEDER 25KV (F10MX LINE)	07/11/2024 20:26:20	07/11/2024 20:53:00	26	0
109610	DEF	DEF Coastal	BROOKRIDGE (BKRG) - BROOKSVILLE WEST (BKVW) 115KV BBW CIRCUIT 1	07/11/2024 06:24:28	07/11/2024 06:24:57	0	0
109594	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	07/10/2024 07:53:12	07/10/2024 08:42:00	48	0
109596	DEF	DEF North	HAVANA (HVNA) 69KV BUS 1	07/09/2024 23:37:45	07/09/2024 23:37:51	0	0
114480	DEF	DEF Central	ISLEWORTH	07/09/2024 21:39:33	07/09/2024 23:03:51	84	477
109562	DEF	DEF Central	CABBAGE ISLAND (CABI) - POINCIANA (POIN) 69KV LINE	07/09/2024 15:05:56	07/09/2024 15:06:03	0	0
109552	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	07/09/2024 12:47:24	07/09/2024 13:28:27	41	0
109554	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	07/09/2024 12:42:52	07/09/2024 13:51:49	68	0
109538	DEF	DEF Central	EAST LAKE WALES (ELWL) - (PRECO) INDIAN LAKES ESTATES (ILE1) 69KV LINE	07/08/2024 18:10:17	07/08/2024 18:10:23	0	0
109540	DEF	DEF Central	EAST LAKE WALES (ELWL) - (PRECO) INDIAN LAKES ESTATES (ILE1) 69KV LINE	07/08/2024 17:59:37	07/08/2024 17:59:41	0	0
109542	DEF	DEF Coastal	BROOKRIDGE (BKRG) - TWIN COUNTY RANCH (TWCO) 115KV LINE	07/08/2024 17:48:22	07/08/2024 17:49:14	0	0
109544	DEF	DEF Coastal	LAND O LAKES (LOLK) - ODESSA (ODSA) 69KV LINE	07/08/2024 16:12:43	07/08/2024 16:12:51	0	0
109546	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	07/08/2024 12:48:35	07/08/2024 12:48:45	0	0
109600	DEF	DEF Central	FORT GREEN 4 (FGN4) - F4MX MOSAIC FEEDER 25KV (F4MX LINE)	07/08/2024 07:48:00	07/09/2024 14:46:29	1858	0
109508	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	07/07/2024 08:21:33	07/07/2024 09:20:33	59	0
109510	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	07/07/2024 01:02:01	07/07/2024 01:02:11	0	0
109444	DEF	DEF Coastal	NEW PORT RICHEY (NWPR) - (WREC) RIDGE (RDG2) 115KV NRR SOUTH CIRCUIT	07/06/2024 15:15:08	07/06/2024 15:15:14	0	0
109446	DEF	DEF Coastal	DUNNELLO TOWN (DNLN) - (SECO) RAINBOW LAKES ESTATES (RNB3) 69KV LINE	07/05/2024 19:21:00	07/05/2024 19:21:12	0	0
109448	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	07/05/2024 19:14:27	07/05/2024 21:04:34	110	0
109364	DEF	DEF North	ATWATER (AWTR) - (FPL) SINAI (SINA) 115KV LINE	07/04/2024 18:01:45	07/04/2024 18:02:15	0	0
109360	DEF	DEF Central	PEACOCK (PCOK) - 5584 MOSAIC FEEDER 69KV (PCMXX LINE)	07/04/2024 09:15:00	07/04/2024 11:55:00	160	0
109362	DEF	DEF North	CRAWFORDVILLE (CRAW) - ST. MARKS EAST (STME) 69KV CS LINE	07/04/2024 08:09:38	07/04/2024 08:09:47	0	0
109348	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	07/03/2024 19:08:34	07/03/2024 19:08:41	0	0
109336	DEF	DEF Coastal	ULMERTON (ULMR) 13KV BUS 1	07/03/2024 10:40:00	07/03/2024 12:24:36	104	3939
109340	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	07/03/2024 10:05:08	07/03/2024 11:13:00	67	0
109330	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	07/02/2024 21:29:45	07/02/2024 21:29:55	0	0
109332	DEF	DEF Central	DESOTO CITY (DSOC) - LAKE PLACID NORTH (LKPN) 69KV LINE	07/02/2024 16:49:33	07/02/2024 16:49:58	0	0
109318	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	07/01/2024 22:26:48	07/01/2024 22:26:58	0	0
109308	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	07/01/2024 15:39:05	07/01/2024 16:48:27	69	0
109310	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	07/01/2024 15:01:31	07/01/2024 15:12:23	10	0
109288	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	07/01/2024 06:16:10	07/01/2024 14:00:57	464	0
109272	DEF	DEF Coastal	BROOKSVILLE (BKVL) - FLORAL CITY (FLRC) 69KV LINE	06/30/2024 17:46:28	06/30/2024 17:46:36	0	0
109268	DEF	DEF Central	COUNTRY OAKS (COAK) - EAST LAKE WALES (ELWL) 69KV LINE	06/29/2024 20:52:10	06/29/2024 20:52:16	0	0
109270	DEF	DEF Central	BOGGY MARSH (BGMS) - GIFFORD (GIFF) 69KV LINE	06/29/2024 16:14:40	06/29/2024 16:14:52	0	0
109180	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	06/29/2024 12:56:52	06/29/2024 19:24:56	388	0
109182	DEF	DEF Central	LAKE BRANCH (LKBR) MOSAIC FEEDER (K5656)	06/29/2024 05:43:07	06/29/2024 05:43:17	0	0
109152	DEF	DEF Central	EUSTIS SOUTH (EUSS) - SORRENTO (SNT0) 69KV LINE	06/28/2024 18:08:01	06/28/2024 18:08:47	0	0
109154	DEF	DEF North	CIRCLE SQUARE (CSQR) - ROSS PRAIRIE (ROSS) 69KV LINE	06/28/2024 17:43:27	06/28/2024 17:43:39	0	0
109146	DEF	DEF Central	FROSTPROOF (FSFP) - LAKE WALES (LKWL) 69KV LINE	06/27/2024 19:47:35	06/27/2024 19:47:42	0	0
109134	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	06/27/2024 14:05:36	06/27/2024 14:49:45	44	0
109136	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	06/27/2024 14:05:09	06/27/2024 15:48:21	103	0
109138	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	06/27/2024 13:52:42	06/27/2024 15:54:58	122	0
109126	DEF	DEF Coastal	BAYBORO SOUTH (BYBS) - VINOY (VNOY) 115KV LINE	06/27/2024 08:34:04	06/27/2024 08:43:16	9	0
109118	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K737 MOSAIC FEEDER 25KV (K737MX LINE)	06/27/2024 02:11:37	06/27/2024 02:11:47	0	0
109106	DEF	DEF Central	HINES (HINE) ST2S	06/26/2024 21:04:15	06/26/2024 21:04:16	0	0
109100	DEF	DEF Central	LAKE WALES (LKWL) - CITRUSVILLE (CITV) 69KV LWC LINE	06/26/2024 16:47:57	06/26/2024 16:50:09	2	0
109102	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	06/26/2024 15:37:29	06/26/2024 16:11:13	33	0
109104	DEF	DEF Central	HORSE CREEK (HORS) - HORSE CREEK 2 (HOR2) 69KV LINE	06/26/2024 15:19:59	06/26/2024 16:21:27	61	0
109080	DEF	DEF North	ATWATER (AWTR) - LIBERTY (LBTY) 115KV ATL LINE	06/26/2024 11:26:14	06/26/2024 11:28:43	2	0

109078	DEF	DEF Coastal	PILSBURY (PLSB) 13KV BUS 2	06/26/2024 10:31:23	06/28/2024 14:56:09	3144	7374
109066	DEF	DEF Central	HINES (HINE) ST2S	06/25/2024 20:11:59	06/25/2024 20:12:00	0	0
109068	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	06/25/2024 20:07:26	06/25/2024 20:07:36	0	0
109052	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	06/25/2024 16:19:48	06/25/2024 17:03:06	43	0
109054	DEF	DEF North	FORT WHITE (FWHT) - SUWANNEE AMERICAN CEMENT (SWAC) 115KV FWSAX LINE	06/25/2024 16:17:41	06/25/2024 16:17:55	0	0
108990	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	06/25/2024 07:48:41	06/25/2024 08:21:42	33	0
108980	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	06/24/2024 18:24:41	06/24/2024 20:33:00	128	0
108982	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	06/24/2024 18:22:47	06/24/2024 20:36:00	133	0
108984	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	06/24/2024 18:21:35	06/24/2024 20:35:00	133	0
108970	DEF	DEF Coastal	GE PINELLAS (GEPN) BK1	06/24/2024 06:58:18	06/24/2024 09:48:42	170	0
108958	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	06/23/2024 19:53:12	06/23/2024 20:20:22	27	0
108960	DEF	DEF North	SUWANNEE TRANSMISSION (SWTR) - (FPL) HOGAN (HOGN) 115KV LINE	06/23/2024 19:00:16	06/23/2024 19:04:44	4	0
108962	DEF	DEF Central	PEACOCK (PCOK) - 5584 MOSAIC FEEDER 69KV (PCMX LINE)	06/22/2024 20:42:00	06/23/2024 11:27:25	885	0
108934	DEF	DEF Coastal	BROOKSVILLE (BKVL) - (TECO) UNION HALL (UHAL) 69KV LINE	06/22/2024 18:53:41	06/22/2024 18:54:21	0	0
108936	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	06/21/2024 23:51:35	06/21/2024 23:51:43	0	0
108938	DEF	DEF Coastal	BROOKSVILLE (BKVL) - (TECO) UNION HALL (UHAL) 69KV LINE	06/21/2024 23:01:26	06/21/2024 23:02:26	1	0
108894	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	06/20/2024 05:36:23	06/20/2024 05:36:31	0	0
108882	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	06/18/2024 21:15:41	06/25/2024 17:11:12	9835	0
108876	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	06/18/2024 03:26:04	06/18/2024 03:26:10	0	0
108850	DEF	DEF North	ORANGE BLOSSOM (OBLS) BK1	06/16/2024 12:30:19	06/16/2024 14:24:23	114	0
108844	DEF	DEF Central	HORSE CREEK 2 (HOR2) MOSAIC FEEDER (HR2MX)	06/16/2024 05:30:00	06/16/2024 07:28:14	118	0
109144	DEF	DEF Central	DELTONA EAST	06/16/2024 02:20:52	06/16/2024 05:11:12	170	2286
108846	DEF	DEF Central	HANCOCK ROAD (HKRD) - SOUTHERN OAKS (SOAK) 230KV LINE	06/15/2024 16:32:59	06/15/2024 16:33:07	0	0
108848	DEF	DEF Central	AVALON (AVLN) - WINDERMERE (WIND) 230KV LINE	06/15/2024 16:20:59	06/15/2024 19:45:09	204	0
108834	DEF	DEF Central	FORT GREEN 4 (FGN4) - F4MX MOSAIC FEEDER 25KV (F4MX LINE)	06/14/2024 20:17:39	06/17/2024 08:08:44	3591	0
108828	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	06/14/2024 10:01:29	06/14/2024 10:34:00	32	0
108830	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	06/14/2024 06:28:16	06/14/2024 06:28:26	0	0
108800	DEF	DEF North	OCCIDENTAL 1 (OC1L) NUTRIEN FEEDER (N362) LOAD	06/13/2024 12:08:00	06/13/2024 13:14:29	66	0
108802	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	06/13/2024 02:17:03	06/13/2024 02:17:12	0	0
108804	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	06/13/2024 00:35:32	06/13/2024 00:35:42	0	0
108792	DEF	DEF Central	OVIEDO (OVDO) BK1	06/12/2024 21:39:57	06/13/2024 15:34:53	1074	0
108784	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	06/12/2024 18:40:32	06/12/2024 18:40:42	0	0
108786	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	06/12/2024 18:36:02	06/12/2024 18:36:12	0	0
108788	DEF	DEF Central	FLORIDA GAS TRANSMISSION EAST (FGTE) - WEWAHOOTEE (WWHO) 69KV LINE	06/12/2024 17:09:55	06/12/2024 17:10:03	0	0
108780	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) NUTRIEN FEEDER (N364) LOAD	06/12/2024 09:03:00	06/12/2024 12:36:00	213	0
108776	DEF	DEF Central	EAST LAKE WALES (ELWL) - (PRECO) INDIAN LAKES ESTATES (ILE1) 69KV LINE	06/12/2024 04:22:00	06/12/2024 04:28:20	6	0
108778	DEF	DEF Central	SPRING LAKE (SPLK) BK1	06/12/2024 00:36:36	06/12/2024 17:11:49	995	3757
108774	DEF	DEF Coastal	BROOKRIDGE (BKRG) - LAKE TARPON (LTPN) 500KV LINE	06/11/2024 14:02:00	06/13/2024 15:30:47	2968	0
108766	DEF	DEF Central	NORTH BARTOW (NBTW) - (TECO) PEBBLEDALE (PBBL) 230KV LINE	06/11/2024 00:58:45	06/11/2024 00:58:48	0	0
108768	DEF	DEF Central	EAST LAKE WALES (ELWL) - (PRECO) INDIAN LAKES ESTATES (ILE1) 69KV LINE	06/10/2024 22:17:56	06/10/2024 22:18:02	0	0
108760	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	06/10/2024 10:29:00	06/10/2024 11:49:12	80	0
108756	DEF	DEF North	QUINCY (QNCY) - CITY OF QUINCY (QCYS) 69KV QB LINE	06/10/2024 07:58:39	06/10/2024 08:03:19	4	0
108752	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	06/10/2024 07:14:58	06/10/2024 07:15:08	0	0
108754	DEF	DEF North	ENOLA (ENOL) - HAINES CREEK (HNCK) 69KV LINE	06/10/2024 06:33:26	06/10/2024 06:33:40	0	0
108736	DEF	DEF Central	DAVENPORT (DVPT) BK1	06/09/2024 18:30:55	06/09/2024 22:30:58	240	8687
108738	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	06/09/2024 07:52:15	06/09/2024 07:52:21	0	0
108762	DEF	DEF Coastal	HAMMOCK (HMMK) BK1	06/08/2024 15:44:34	06/08/2024 15:46:15	1	0
108726	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	06/07/2024 19:01:32	06/07/2024 23:43:00	281	0
108724	DEF	DEF Central	CITY OF BARTOW (CBTW) - NORTHWEST CITY OF BARTOW (NWST) 69KV LINE	06/07/2024 17:35:44	06/07/2024 20:29:39	173	0
108692	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	06/06/2024 09:20:16	06/06/2024 09:20:26	0	0
108694	DEF	DEF Central	HUNTERS CREEK (HUNT) BK1	06/05/2024 20:52:57	06/05/2024 22:48:59	116	0

108696	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	06/05/2024 14:53:04	06/05/2024 15:23:28	30	0
108698	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	06/05/2024 14:23:11	06/05/2024 15:02:19	39	0
108676	DEF	DEF North	CRAWFORDVILLE (CRAW) - PORT ST. JOE (PSJO) 230KV CPS LINE	06/05/2024 13:37:35	06/05/2024 13:37:37	0	0
108764	DEF	DEF Coastal	ULMERTON WEST*	06/05/2024 06:32:20	06/05/2024 09:21:05	168	2375
108666	DEF	DEF Coastal	CRYSTAL RIVER (CRPL) G5	06/04/2024 19:28:16	06/04/2024 19:28:16	0	0
108624	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	06/03/2024 17:35:07	06/03/2024 18:16:37	41	0
108600	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	06/02/2024 06:18:03	06/02/2024 07:31:19	73	0
108602	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	06/01/2024 20:20:47	06/01/2024 20:20:57	0	0
108604	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	06/01/2024 02:28:28	06/01/2024 03:35:45	67	0
108578	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	05/31/2024 08:19:46	05/31/2024 14:08:11	348	0
108572	DEF	DEF Central	INTERCESSION CITY (ICTY) - INTERCESSION CITY P3 + P4 (ICTY) 69KV LINE	05/30/2024 16:37:43	05/30/2024 20:27:26	229	0
108560	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	05/30/2024 07:36:44	05/30/2024 08:50:54	74	0
108562	DEF	DEF Central	AVALON (AVLN) - HANCOCK ROAD (HKRD) 69KV LINE	05/29/2024 20:54:36	05/30/2024 13:06:29	971	0
108518	DEF	DEF Central	HINES (HINE) CT1B	05/28/2024 09:53:57	05/28/2024 09:53:58	0	0
108502	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	05/28/2024 06:46:08	05/30/2024 07:31:12	2925	0
108504	DEF	DEF North	CRYSTAL RIVER SOUTH (CRSO) - POWERLINE (PWRL) 115KV LINE	05/28/2024 04:37:49	05/28/2024 16:20:02	702	0
108422	DEF	DEF Central	LAKE MARION (LMRN) BK2	05/26/2024 17:42:04	06/01/2024 18:13:53	8671	2904
108424	DEF	DEF Central	NORTH BARTOW (NBTW) - (TECO) SOUTH ELOISE (SOEL) 230KV LINE	05/26/2024 08:12:46	05/26/2024 08:12:48	0	0
108326	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	05/24/2024 11:59:07	05/24/2024 13:02:13	63	0
108320	DEF	DEF North	EUSTIS (EUST) BK1 LOAD	05/23/2024 18:58:30	05/23/2024 19:02:02	3	0
108322	DEF	DEF North	EUSTIS (EUST) BK2 LOAD	05/23/2024 18:58:30	05/23/2024 19:02:02	3	0
108292	DEF	DEF North	FLORIDA GAS TRANSMISSION (FLGT) BK1	05/23/2024 05:00:46	05/23/2024 05:01:36	0	0
108238	DEF	DEF North	CENTRAL FLORIDA (CFLA) 69KV BUS 2	05/20/2024 20:27:09	05/20/2024 23:06:37	159	0
108616	DEF	DEF Coastal	CRYSTAL RIVER (CRPL) G5	05/19/2024 14:05:00	05/19/2024 14:05:01	0	0
108192	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	05/19/2024 07:41:31	05/28/2024 07:31:12	12949	0
108194	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	05/18/2024 16:28:05	05/18/2024 17:22:45	54	0
108196	DEF	DEF North	TAVARES (TVRS) - (SECO) DEER ISLAND (DER3) 69KV TDX LINE	05/18/2024 15:23:08	05/18/2024 15:23:12	0	0
108198	DEF	DEF North	TAVARES (TVRS) - (SECO) DEER ISLAND (DER3) 69KV TDX LINE	05/18/2024 15:18:28	05/18/2024 15:20:12	1	0
108182	DEF	DEF North	DRIFTON (DFTN) - PERRY (PRRY) 115KV DP2 LINE	05/18/2024 02:07:24	05/18/2024 02:07:30	0	0
108184	DEF	DEF North	DRIFTON (DFTN) - PERRY (PRRY) 69KV DP LINE	05/18/2024 02:07:24	05/18/2024 02:09:48	2	0
108200	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	05/17/2024 09:46:57	05/17/2024 11:02:14	75	0
109300	DEF	DEF North	WAUKEENAH	05/17/2024 08:26:38	05/17/2024 09:12:29	45	1172
108162	DEF	DEF North	ATWATER (AWTR) - (FPL) SINAI (SINA) 115KV LINE	05/17/2024 05:40:17	05/17/2024 05:40:31	0	0
108164	DEF	DEF North	ATWATER (AWTR) - (FPL) SINAI (SINA) 115KV LINE	05/17/2024 05:36:25	05/17/2024 05:36:39	0	0
108158	DEF	DEF North	ATWATER (AWTR) - (FPL) SINAI (SINA) 115KV LINE	05/17/2024 05:00:19	05/17/2024 05:02:07	1	0
108160	DEF	DEF Central	DESOTO CITY (DSOC) - PHILLIPS (PHIL) - DINNER LAKE (DNRL) 69KV LINE	05/17/2024 04:00:41	05/17/2024 04:00:51	0	0
108152	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	05/16/2024 20:52:27	05/16/2024 22:16:09	83	0
108110	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	05/15/2024 16:56:38	05/15/2024 18:24:14	87	0
108112	DEF	DEF North	ST. MARKS EAST (STME) - ST. MARKS WEST (STMW) 69KV SMEW LINE	05/15/2024 15:37:42	05/15/2024 15:39:24	1	0
108114	DEF	DEF Coastal	BROOKSVILLE (BKVL) - HAMMOCK (HMMK) 69KV LINE	05/15/2024 13:08:46	05/15/2024 14:33:52	85	0
108116	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	05/15/2024 11:48:37	05/15/2024 11:48:48	0	0
108080	DEF	DEF Central	COUNTRY OAKS (COAK) - EAST LAKE WALES (ELWL) 69KV LINE	05/15/2024 10:02:38	05/15/2024 10:02:44	0	0
108082	DEF	DEF Central	COUNTRY OAKS (COAK) - DUNDEE (DUND) 69KV LINE	05/15/2024 09:54:49	05/15/2024 09:54:57	0	0
108084	DEF	DEF Central	COUNTRY OAKS (COAK) - DUNDEE (DUND) 69KV LINE	05/15/2024 09:51:49	05/15/2024 09:51:55	0	0
108072	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	05/14/2024 16:42:39	05/14/2024 20:54:53	252	0
108058	DEF	DEF Coastal	ODESSA (ODSA) - TARPON SPRINGS (TPNS) 69KV LINE	05/14/2024 11:05:03	05/14/2024 11:05:32	0	0
108048	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	05/13/2024 20:21:14	05/13/2024 20:42:35	21	0
108050	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	05/13/2024 19:49:06	05/13/2024 20:12:11	23	0
108052	DEF	DEF Central	NORTH BARTOW (NBTW) - WEST LAKE WALES (WLWL) 69KV LINE	05/13/2024 18:24:05	05/13/2024 22:58:00	273	0
108054	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	05/13/2024 17:54:03	05/13/2024 17:57:55	3	0

108040	DEF	DEF Central	AVON PARK (AVPK) 13KV BUS 1	05/13/2024 17:04:22	05/14/2024 00:34:00	449	2760
108032	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	05/13/2024 14:09:52	05/13/2024 19:02:13	292	0
108034	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	05/13/2024 13:01:28	05/13/2024 15:14:00	132	0
108024	DEF	DEF North	LEESBURG EAST (LEBE) LOAD	05/13/2024 05:11:24	05/13/2024 05:13:48	2	0
108010	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	05/12/2024 14:57:30	05/12/2024 16:08:51	71	0
108002	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	05/12/2024 11:29:43	05/12/2024 13:35:43	126	0
107998	DEF	DEF Central	MAITLAND (MAIT) BK1	05/12/2024 07:13:46	05/17/2024 17:30:03	7816	851
107988	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	05/11/2024 10:03:12	05/11/2024 15:23:50	320	0
107984	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	05/11/2024 06:48:02	05/11/2024 08:05:00	76	0
107904	DEF	DEF North	SUWANNEE TRANSMISSION (SWTR) - (FPL) HOGAN (HOGN) 115KV LINE	05/09/2024 17:57:30	05/09/2024 19:23:26	85	0
107906	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	05/09/2024 17:49:32	05/09/2024 18:55:02	65	0
108530	DEF	DEF Central	WAUCHULA POD (PRECO)	05/09/2024 16:48:00	05/09/2024 18:23:00	95	0
107894	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	05/08/2024 21:04:51	05/08/2024 21:05:01	0	0
108074	DEF	DEF Central	HAINES CITY*	05/08/2024 10:15:08	05/08/2024 11:26:14	71	0
107720	DEF	DEF Central	LAKE WALES (LKWL) 13KV BUS 1	05/07/2024 16:47:01	05/07/2024 16:47:04	0	0
107716	DEF	DEF North	ARCHER (ARCH) - WILLISTON NORTH (WSTN) 230KV LINE	05/07/2024 12:03:35	05/07/2024 13:13:34	69	0
107690	DEF	DEF Central	GRIFFIN (GRIF) - HIGGINS (HIGG) 115KV HG LINE	05/06/2024 23:14:01	05/06/2024 23:14:08	0	0
107692	DEF	DEF Coastal	ZEPHYRHILLS NORTH (ZPHN) BK1	05/06/2024 20:49:06	08/27/2024 13:44:51	162295	0
107778	DEF	DEF Central	SHINGLE CREEK*	05/06/2024 16:52:53	05/07/2024 15:28:30	1355	0
107780	DEF	DEF Central	SHINGLE CREEK*	05/06/2024 16:52:53	05/07/2024 15:28:30	1355	0
107672	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	05/06/2024 14:01:56	05/06/2024 14:02:04	0	0
107664	DEF	DEF Central	TIGER BAY (TIGC) ST1	05/06/2024 09:04:17	05/06/2024 09:04:18	0	0
107642	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	05/05/2024 20:21:17	05/05/2024 21:03:05	41	0
107644	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	05/05/2024 17:40:56	05/05/2024 20:58:09	197	0
107646	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	05/05/2024 11:18:53	05/05/2024 11:19:03	0	0
107620	DEF	DEF North	MADISON (MDSN) - SUWANNEE TRANSMISSION (SWTR) 115KV SUM LINE	05/04/2024 14:28:51	05/04/2024 14:28:57	0	0
107622	DEF	DEF Central	PIEDMONT (PIED) 13KV BUS 1	05/04/2024 08:55:36	05/04/2024 10:31:18	95	5902
107596	DEF	DEF Central	DEOTO CITY (DSOC) - PHILLIPS (PHIL) - DINNER LAKE (DNRL) 69KV LINE	05/04/2024 06:30:02	05/04/2024 06:30:38	0	0
107598	DEF	DEF Coastal	ANCLOTE (ANCL) G1	05/03/2024 16:16:49	05/03/2024 16:16:50	0	0
107578	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - OCCIDENTAL METERING (OXYM) 115KV LINE	05/02/2024 19:21:45	05/02/2024 19:22:17	0	0
108900	DEF	DEF North	WILDWOOD POD (SECO)	05/02/2024 10:08:00	05/02/2024 10:49:00	41	0
107552	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	05/01/2024 11:42:23	05/01/2024 15:08:15	205	0
107546	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	05/01/2024 06:59:27	05/01/2024 06:59:35	0	0
107548	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	04/30/2024 23:30:29	04/30/2024 23:30:37	0	0
107550	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	04/30/2024 19:58:38	04/30/2024 22:13:14	134	0
107538	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - VANDOLAH (VAND) 69KV CIRCUIT 2	04/30/2024 19:45:26	04/30/2024 19:45:35	0	0
107536	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - HOMOSASSA (HOMO) 115KV LINE	04/30/2024 17:49:21	04/30/2024 17:49:57	0	0
107494	DEF	DEF Central	VANDOLAH (VAND) - (SECI) HARDEE (HARD) 230KV CIRCUIT 2	04/28/2024 13:57:47	04/28/2024 17:12:53	195	0
107496	DEF	DEF Central	DEOTO CITY (DSOC) - PHILLIPS (PHIL) - DINNER LAKE (DNRL) 69KV LINE	04/27/2024 18:52:14	04/27/2024 18:52:47	0	0
107464	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	04/26/2024 12:34:05	04/26/2024 12:34:15	0	0
107450	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	04/25/2024 14:29:40	04/25/2024 15:04:37	34	0
107432	DEF	DEF Central	LONGWOOD (LGWD) BK1	04/23/2024 22:49:52	04/24/2024 00:48:25	118	0
107434	DEF	DEF Coastal	CRYSTAL RIVER (CRPL) G4	04/23/2024 22:32:58	04/23/2024 22:32:59	0	0
109324	DEF	DEF North	EUSTIS	04/23/2024 10:07:44			1778
107388	DEF	DEF North	ARCHER (ARCH) - WILLISTON (WLST) 69KV AW LINE	04/21/2024 19:30:02	04/21/2024 19:34:52	4	0
107390	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	04/21/2024 17:44:57	04/21/2024 20:10:21	145	0
109294	DEF	DEF Central	MYRTLE LAKE	04/21/2024 08:33:35	04/21/2024 12:01:36	208	1446
107392	DEF	DEF North	JASPER SOUTH (JASS) - (SOCO) WEST HOMERVILLE (WMHR) 115KV LINE	04/20/2024 04:17:45	04/20/2024 04:17:49	0	0
107356	DEF	DEF Central	HINES (HINE) CT1A	04/19/2024 05:47:51	04/19/2024 05:47:51	0	0
107358	DEF	DEF Central	HINES (HINE) ST1S	04/19/2024 05:47:51	04/19/2024 05:47:51	0	0

107360	DEF	DEF North	EUSTIS SOUTH (EUSS) - TAVARES (TVRS) 69KV LINE	04/19/2024 01:27:49	04/19/2024 01:28:31	0	0
107366	DEF	DEF Central	HINES (HINE) CT1A	04/18/2024 21:03:44	04/18/2024 21:09:36	5	0
107364	DEF	DEF Central	HINES (HINE) CT1B	04/18/2024 21:03:44	04/18/2024 21:05:04	1	0
107362	DEF	DEF Central	HINES (HINE) ST1S	04/18/2024 21:03:44	04/18/2024 21:03:45	0	0
107322	DEF	DEF Central	HINES (HINE) CT3B	04/17/2024 09:02:34	04/17/2024 09:02:35	0	0
107320	DEF	DEF North	HOLDER (HOLD) - POWERLINE (PWRL) 230KV CIRCUIT 3	04/17/2024 07:18:58	04/17/2024 10:40:05	201	0
107310	DEF	DEF Central	CITRUS CENTER (CITC) - HAINES CITY EAST (HCTE) 230KV CIRCUIT 2	04/16/2024 19:48:11	04/16/2024 19:48:17	0	0
107312	DEF	DEF North	HAVANA (HVNA) - QUINCY (QNCY) 115KV HQ LINE	04/16/2024 15:51:13	04/16/2024 16:20:16	29	0
107306	DEF	DEF Coastal	BARTOW (BART) ST4S	04/16/2024 11:01:43	04/16/2024 11:01:44	0	0
107280	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	04/14/2024 15:35:45	04/14/2024 16:19:09	43	0
107282	DEF	DEF Coastal	HAMMOCK (HMMK) BK1	04/14/2024 07:44:04	04/14/2024 10:19:00	154	0
107284	DEF	DEF North	MONTICELLO (MCLO) - (SOCO) BOSTON (BOST) 69KV DB LINE	04/11/2024 18:51:31	04/12/2024 17:31:00	1359	0
107220	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	04/11/2024 16:57:53	04/15/2024 13:00:01	5522	0
107222	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N360 NUTRIEN FEEDER 25KV (N360 LINE)	04/11/2024 16:43:51	04/12/2024 07:24:22	880	0
107218	DEF	DEF North	LEESBURG (LEBG) - OKAHUMPKA (OKHP) 69KV LINE	04/11/2024 15:40:37	04/11/2024 15:40:44	0	0
107214	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	04/11/2024 13:33:31	04/11/2024 16:02:17	148	0
107216	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	04/11/2024 13:27:40	04/11/2024 15:03:40	96	0
107212	DEF	DEF Coastal	LARGO (LRGO) - PALM HARBOR (PMHR) 230KV LINE	04/11/2024 11:57:20	04/11/2024 11:57:28	0	0
107206	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	04/11/2024 07:40:40	04/11/2024 09:50:40	130	0
107208	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	04/11/2024 07:07:16	04/11/2024 09:50:19	163	0
107198	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	04/11/2024 04:56:28	04/11/2024 06:22:26	85	0
107202	DEF	DEF North	FOLEY	04/11/2024 04:52:06	04/11/2024 04:52:06	0	0
107200	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	04/11/2024 02:20:24	04/11/2024 07:12:12	291	0
107186	DEF	DEF Central	HINES (HINE) CT2A	04/09/2024 19:44:19	04/09/2024 19:45:00	0	0
107188	DEF	DEF Central	HINES (HINE) ST2S	04/09/2024 19:44:19	04/09/2024 19:44:20	0	0
107178	DEF	DEF Central	HINES (HINE) CT1A	04/08/2024 18:28:19	04/08/2024 18:28:20	0	0
107164	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	04/08/2024 10:46:38	04/08/2024 11:55:12	68	0
107170	DEF	DEF Central	INTERCESSION CITY (ICTY) - INTERCESSION CITY P12 + P14 (ICTY) 230KV LINE	04/08/2024 06:37:00	04/08/2024 17:16:13	639	0
107184	DEF	DEF Central	LAKE BRYAN	04/07/2024 21:34:29	04/07/2024 21:34:30	0	0
107152	DEF	DEF Central	WOODSMERE (WOOD) 13KV BUS 3	04/07/2024 14:22:47	04/09/2024 11:26:29	2703	3242
107138	DEF	DEF North	GUMBAY (GMBY) BK1	04/06/2024 18:54:02	04/06/2024 20:10:00	75	0
109132	DEF	DEF Central	SAND LAKE*	04/06/2024 18:35:54	04/06/2024 18:42:30	6	452
107126	DEF	DEF Central	LOCKHART (LKHT) BK1	04/05/2024 10:02:41	04/05/2024 10:36:55	34	0
107128	DEF	DEF Central	LAKE WALES (LKWL) - CITRUSVILLE (CITV) 69KV LWC LINE	04/05/2024 09:55:44	04/05/2024 11:10:36	74	4
107096	DEF	DEF Central	HINES (HINE) CT1B	04/04/2024 03:10:57	04/04/2024 03:10:58	0	0
107094	DEF	DEF Coastal	BROOKSVILLE (BKVL) - (TECO) UNION HALL (UHAL) 69KV LINE	04/03/2024 18:19:24	04/03/2024 18:20:06	0	0
107084	DEF	DEF Central	DELAND (DELD) - DELTONA (DTNA) 69KV LINE	04/03/2024 14:24:56	04/03/2024 20:58:49	393	0
107086	DEF	DEF Central	HEMPLE (HEMP) - OCOEE (OCOE) 69KV LINE	04/03/2024 13:44:36	04/03/2024 13:44:56	0	0
107074	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - OCCIDENTAL METERING (OXYM) 115KV LINE	04/03/2024 12:23:36	04/03/2024 18:33:56	370	0
108060	DEF	DEF North	WHITE SPRINGS	04/03/2024 12:23:36	04/03/2024 18:33:56	370	691
107076	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - OCCIDENTAL METERING (OXYM) 115KV LINE	04/03/2024 11:57:37	04/03/2024 11:58:14	0	0
107078	DEF	DEF Central	MAGNOLIA RANCH (MAGN) - (OUC) MAGNOLIA RANCH NORTH (MGNN) 69KV LINE	04/03/2024 11:50:31	04/03/2024 11:50:37	0	0
107064	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	04/03/2024 09:13:12	04/03/2024 10:24:02	70	0
107066	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	04/03/2024 08:54:18	04/03/2024 09:44:32	50	0
107068	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	04/03/2024 08:40:04	04/03/2024 09:20:14	40	0
107060	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	04/02/2024 22:09:12	04/02/2024 22:09:20	0	0
107008	DEF	DEF Central	WINTER PARK (WPRK) 69KV BUS 2	04/01/2024 15:20:30	04/01/2024 15:20:44	0	0
106986	DEF	DEF Central	HINES (HINE) CT4B	03/31/2024 14:22:17	03/31/2024 14:22:17	0	0
106984	DEF	DEF Central	HINES (HINE) ST4S	03/31/2024 14:22:17	03/31/2024 14:22:17	0	0
106988	DEF	DEF Coastal	PALM HARBOR (PMHR) - TARPON SPRINGS (TPNS) 69KV LINE	03/31/2024 11:47:53	03/31/2024 18:11:11	383	0

107120	DEF	DEF Coastal	TARPON SPRINGS*	03/31/2024 07:23:02	03/31/2024 18:11:11	648	1993
106976	DEF	DEF Central	BOGGY MARSH (BGMS) 13KV BUS 1	03/30/2024 08:09:48	03/30/2024 09:28:27	78	8166
106992	DEF	DEF Coastal	CRYSTAL RIVER PL	03/30/2024 00:28:31	03/30/2024 02:13:41	105	0
106952	DEF	DEF North	APALACHICOLA (APAL) - CARRABELLE (CRBL) 69KV LINE	03/27/2024 04:56:53	03/27/2024 04:56:59	0	0
106954	DEF	DEF North	JACKSON BLUFF (JBLF) - LIBERTY (LBTY) 69KV JBL LINE	03/27/2024 02:34:47	03/27/2024 02:34:56	0	0
109312	DEF	DEF Central	LAKE BRYAN	03/26/2024 23:42:06			2368
106956	DEF	DEF Central	MULBERRY (MLBY) - NORTHWEST CITY OF BARTOW (NWST) 69KV LINE	03/26/2024 22:03:45	03/26/2024 22:03:53	0	0
106958	DEF	DEF Central	DEBARY (DBRY) - ORANGE CITY (ORNC) 230KV DPOC CIRCUIT 2	03/26/2024 19:44:47	04/02/2024 13:33:39	9708	0
106944	DEF	DEF North	SILVER SPRINGS SHORES (SVSS) 69KV BKR 3670 + CAP BANK	03/26/2024 12:26:00	03/26/2024 12:26:00	0	0
106942	DEF	DEF North	SILVER SPRINGS SHORES (SVSS) BK2	03/26/2024 12:26:00	03/26/2024 16:08:00	222	0
106912	DEF	DEF North	JASPER SOUTH (JASS) - (SOCO) WEST HOMERVILLE (WMHR) 115KV LINE	03/23/2024 13:52:36	03/23/2024 13:52:40	0	0
106900	DEF	DEF Central	FORT GREEN 4 (FGN4) - F4MX MOSAIC FEEDER 25KV (F4MX LINE)	03/23/2024 10:35:53	03/25/2024 08:27:54	2752	0
106894	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	03/23/2024 08:54:12	03/23/2024 08:54:22	0	0
106888	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	03/22/2024 23:21:35	03/22/2024 23:21:45	0	0
106890	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	03/22/2024 21:27:24	03/22/2024 21:27:32	0	0
106892	DEF	DEF Coastal	LARGO (LRGO) - SEMINOLE (SMNL) 230KV LINE	03/22/2024 19:50:46	03/22/2024 19:50:52	0	0
106886	DEF	DEF Coastal	LAKE TARPON (LTPN) - (TECO) SHELDON ROAD (SHEL) 230KV LTX2 CIRCUIT 2	03/22/2024 09:57:03	03/22/2024 09:57:05	0	0
106866	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	03/22/2024 05:52:34	03/22/2024 05:53:37	1	0
106868	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	03/22/2024 05:40:45	03/22/2024 05:40:51	0	0
106870	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	03/22/2024 05:38:02	03/22/2024 09:01:19	203	0
106872	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	03/22/2024 04:41:31	03/22/2024 04:41:37	0	0
106864	DEF	DEF Central	DRY PRAIRIE (DRPR) - DPMX3 MOSAIC FEEDER 69KV (DPMX3 LINE)	03/21/2024 20:07:18	03/21/2024 20:40:18	33	0
109314	DEF	DEF Central	NARCOOSSEE*	03/21/2024 13:58:01	03/21/2024 18:12:00	253	1921
106856	DEF	DEF Central	SPRING LAKE	03/21/2024 11:04:37	03/21/2024 11:05:07	0	0
106846	DEF	DEF Central	DEBARY	03/20/2024 05:12:03			0
106816	DEF	DEF Coastal	WIRE ROAD (WIRE) - ZEPHYRHILLS NORTH (ZPHN) 230KV WRZN CIRCUIT 1	03/18/2024 07:06:41	03/18/2024 09:33:00	146	0
106818	DEF	DEF Coastal	ZEPHYRHILLS NORTH (ZPHN) BK3	03/18/2024 07:06:41	03/18/2024 09:33:00	146	0
106812	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	03/18/2024 05:21:15	03/18/2024 05:21:21	0	0
106814	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	03/17/2024 11:22:20	03/17/2024 13:01:50	99	0
106794	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	03/15/2024 09:06:55	03/15/2024 09:07:05	0	0
106774	DEF	DEF Coastal	BARTOW (BART) CT4A	03/15/2024 00:00:58	03/15/2024 00:00:59	0	0
106776	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	03/14/2024 21:31:25	03/15/2024 11:13:57	822	0
106778	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	03/14/2024 20:36:57	03/14/2024 20:37:07	0	0
106724	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K737 MOSAIC FEEDER 25KV (K737MX LINE)	03/13/2024 16:22:57	03/13/2024 16:23:07	0	0
106688	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	03/10/2024 12:18:00	03/10/2024 13:57:50	99	0
106690	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	03/10/2024 09:02:35	03/10/2024 11:16:26	133	0
106676	DEF	DEF North	LEESBURG (LEBG) - OKAHUMPKA (OKHP) 69KV LINE	03/10/2024 01:13:02	03/10/2024 01:13:10	0	0
106678	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	03/09/2024 19:16:28	03/09/2024 21:11:00	114	0
106680	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	03/09/2024 15:33:19	03/09/2024 20:13:00	279	0
106682	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	03/09/2024 11:59:21	03/10/2024 11:38:54	1419	0
106662	DEF	DEF North	COLUMBIA SOLAR (CBSO) GENERATOR	03/08/2024 04:35:23	03/08/2024 04:35:24	0	0
106660	DEF	DEF Coastal	BRONSON (BRSN) - CRYSTAL RIVER (CRPL) 230KV LINE	03/07/2024 16:35:22	03/07/2024 21:50:25	315	0
106658	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	03/07/2024 13:06:54	03/07/2024 22:09:02	542	0
107442	DEF	DEF North	FOLEY	03/07/2024 10:57:07	03/07/2024 11:24:15	27	2
106652	DEF	DEF Central	HINES (HINE) CT1B	03/07/2024 07:19:27	03/07/2024 07:19:28	0	0
106656	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N360 NUTRIEN FEEDER 25KV (N360 LINE)	03/06/2024 21:26:48	03/07/2024 10:41:24	794	0
106654	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N360 NUTRIEN FEEDER 25KV (N360 LINE)	03/06/2024 19:24:40	03/06/2024 19:24:42	0	0
106632	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	03/06/2024 00:59:25	03/06/2024 00:59:33	0	0
106634	DEF	DEF Central	AVON PARK (AVPK) - WAUCHULA POD (WACP) 69KV APW LINE	03/06/2024 00:42:22	03/06/2024 00:42:22	0	0
106636	DEF	DEF Central	DRY PRAIRIE (DRPR) - DPMX3 MOSAIC FEEDER 69KV (DPMX3 LINE)	03/05/2024 23:42:19	03/06/2024 00:16:51	34	0

106638	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	03/05/2024 23:04:52	03/06/2024 00:31:14	86	0
106640	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	03/05/2024 22:31:54	03/05/2024 23:01:52	29	0
106642	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	03/05/2024 15:27:06	03/05/2024 18:26:34	179	0
106630	DEF	DEF Central	FORT GREEN 1 (FGN1) BK1	03/05/2024 09:39:00	03/05/2024 14:07:00	268	0
106608	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	03/03/2024 18:44:54	03/03/2024 22:49:22	244	0
106604	DEF	DEF Central	DELAND (DELD) - DELTONA (DTNA) 69KV LINE	03/03/2024 06:58:00	03/03/2024 06:58:09	0	0
106600	DEF	DEF Coastal	ODESSA (ODSA) - TARPON SPRINGS (TPNS) 69KV LINE	03/03/2024 06:32:14	03/03/2024 06:32:21	0	0
106602	DEF	DEF Coastal	LARGO (LRGO) - PALM HARBOR (PMHR) 230KV LINE	03/03/2024 06:17:52	03/03/2024 06:18:02	0	0
106590	DEF	DEF North	ANDERSEN (ANDR) - (SECO) LAKE PANASOFFKEE (PAN3) 69KV LINE	03/03/2024 05:20:30	03/03/2024 05:20:30	0	0
106592	DEF	DEF Coastal	INVERNESS (INVS) - LECANTO (LECA) 115KV LINE	03/03/2024 04:39:53	03/03/2024 04:40:04	0	0
106594	DEF	DEF Coastal	HOLDER (HOLD) - INVERNESS (INVS) 69KV LINE	03/03/2024 04:38:41	03/03/2024 04:38:52	0	0
106596	DEF	DEF Coastal	INVERNESS (INVS) - LECANTO (LECA) 115KV LINE	03/03/2024 04:32:53	03/03/2024 04:33:04	0	0
106598	DEF	DEF Central	DESOTO CITY (DSOC) - PHILLIPS (PHIL) - DINNER LAKE (DNRL) 69KV LINE	03/02/2024 23:55:50	03/02/2024 23:56:00	0	0
106586	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	03/02/2024 16:46:10	03/02/2024 17:53:11	67	0
106588	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	03/02/2024 16:28:52	03/02/2024 20:15:46	226	0
106566	DEF	DEF North	GINNIE	02/29/2024 10:19:27	02/29/2024 12:41:55	142	0
106552	DEF	DEF Central	WOODSMERE (WOOD) BK3	02/29/2024 08:36:20	02/29/2024 09:43:44	67	1176
106554	DEF	DEF Central	WOODSMERE (WOOD) BK4	02/29/2024 08:36:20	02/29/2024 09:43:24	67	2132
106550	DEF	DEF Central	AVON PARK NORTH (AVPN) 13KV BUS 1	02/29/2024 01:06:37	02/29/2024 01:06:38	0	0
106542	DEF	DEF Central	DEBARY (DBRY) - ORANGE CITY (ORNC) 230KV CIRCUIT 1	02/28/2024 11:48:55	02/29/2024 07:43:06	1194	0
106540	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	02/28/2024 08:29:08	02/28/2024 09:16:30	47	0
106522	DEF	DEF Central	AVON PARK NORTH (AVPN) 13KV BUS 1	02/27/2024 01:07:38	02/27/2024 01:07:39	0	0
106514	DEF	DEF Central	HORSE CREEK (HORS) - HORSE CREEK 2 (HOR2) 69KV LINE	02/26/2024 07:21:44	02/26/2024 09:18:49	117	0
106504	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	02/24/2024 21:24:34	02/24/2024 21:48:00	23	0
106486	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	02/23/2024 16:23:58	02/24/2024 16:46:00	1462	0
106488	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	02/23/2024 16:16:40	02/23/2024 21:02:00	285	0
106490	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	02/23/2024 15:57:40	02/23/2024 16:36:00	38	0
106484	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	02/23/2024 12:08:44	02/23/2024 13:02:26	53	0
106646	DEF	DEF Coastal	EAST CLEARWATER*	02/22/2024 08:46:27			1422
106470	DEF	DEF Central	DELAND WEST (DELW) - ORANGE CITY (ORNC) 230KV LINE	02/21/2024 19:19:02	02/23/2024 15:37:55	2658	0
106446	DEF	DEF Coastal	BROOKRIDGE (BKRG) - BROOKSVILLE WEST (BKVW) 230KV CIRCUIT 1	02/21/2024 08:30:11	02/21/2024 09:08:43	38	0
106448	DEF	DEF Coastal	BROOKSVILLE WEST (BKVW) BK1	02/21/2024 08:30:11	02/21/2024 09:08:43	38	0
106424	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	02/19/2024 08:12:56	02/19/2024 08:46:36	33	0
106402	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	02/18/2024 15:55:04	02/18/2024 21:35:08	340	0
106404	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	02/18/2024 15:25:46	02/18/2024 19:27:52	242	0
106406	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	02/18/2024 14:25:45	02/18/2024 14:27:01	1	0
106408	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	02/17/2024 21:55:15	02/18/2024 12:17:31	862	0
106410	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	02/17/2024 21:50:58	02/17/2024 21:51:03	0	0
106412	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	02/17/2024 21:24:10	02/17/2024 21:24:21	0	0
106414	DEF	DEF Central	HORSE CREEK (HORS) - HORSE CREEK 2 (HOR2) 69KV LINE	02/17/2024 19:59:30	02/17/2024 23:11:00	191	0
106416	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	02/17/2024 15:53:03	02/17/2024 17:35:41	102	0
106418	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	02/17/2024 10:57:17	02/17/2024 10:57:24	0	0
106420	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	02/17/2024 10:40:31	02/17/2024 10:40:38	0	0
106422	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	02/17/2024 09:17:39	02/17/2024 13:18:00	240	0
106384	DEF	DEF Central	HORSE CREEK (HORS) - HORSE CREEK 2 (HOR2) 69KV LINE	02/16/2024 07:45:31	02/16/2024 09:55:41	130	0
106366	DEF	DEF Central	DAVENPORT (DVPT) BK1 LOAD	02/14/2024 17:25:03	02/14/2024 17:33:27	8	7616
106346	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	02/13/2024 04:20:00	02/13/2024 06:14:38	114	0
106348	DEF	DEF Coastal	ANCLOTE (ANCL) G2	02/13/2024 02:07:24	02/13/2024 02:07:25	0	0
106350	DEF	DEF Central	HORSE CREEK (HORS) - HORSE CREEK 2 (HOR2) 69KV LINE	02/12/2024 21:39:54	02/13/2024 03:54:48	374	0
106352	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	02/12/2024 20:15:10	02/12/2024 21:54:00	98	0

106334	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	02/12/2024 12:50:53	02/12/2024 13:46:09	55	0
106336	DEF	DEF Central	PEACOCK (PCOK) - 5584 MOSAIC FEEDER 69KV (PCMX LINE)	02/12/2024 06:12:00	02/12/2024 14:22:22	490	0
106324	DEF	DEF Central	HINES (HINE) CT2A	02/11/2024 11:21:39	02/11/2024 11:21:40	0	0
106322	DEF	DEF Central	HINES (HINE) ST2S	02/11/2024 11:21:39	02/11/2024 11:21:40	0	0
106300	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K742 MOSAIC FEEDER 4KV (K742MX LINE)	02/09/2024 08:54:01	02/09/2024 09:20:38	26	0
106294	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	02/08/2024 12:02:28	02/08/2024 12:02:36	0	0
106296	DEF	DEF Coastal	KENNETH CITY (KENN) BK1	02/08/2024 10:51:35	02/08/2024 11:47:49	56	0
107338	DEF	DEF Coastal	PINELLAS WELL FIELD*	02/06/2024 08:25:59	02/06/2024 14:16:40	350	0
106282	DEF	DEF Coastal	CITRUS COMBINED CYCLE (CITR) ST1S	02/05/2024 17:40:58	02/05/2024 17:40:59	0	0
106276	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - LECANTO (LECA) 115KV LINE	02/05/2024 09:05:42	02/05/2024 09:06:10	0	0
106274	DEF	DEF Coastal	CITRUS COMBINED CYCLE (CITR) ST1S	02/04/2024 20:57:45	02/04/2024 20:57:46	0	0
106272	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	02/04/2024 17:55:29	02/04/2024 18:43:00	47	0
106248	DEF	DEF North	MARTIN WEST (MTNW) - WILLISTON NORTH (WSTN) 230KV LINE	02/03/2024 06:41:29	02/03/2024 18:08:09	686	0
107030	DEF	DEF North	CARA POD (CEC)	02/03/2024 06:41:29	02/03/2024 18:08:09	686	0
106166	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - VANDOLAH (VAND) 69KV CIRCUIT 2	01/28/2024 13:49:08	01/28/2024 13:54:04	4	0
106162	DEF	DEF Central	VANDOLAH (VAND) BK1	01/28/2024 13:49:08	01/30/2024 19:27:33	3218	0
106164	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	01/28/2024 13:49:08	01/28/2024 13:54:05	4	0
106378	DEF	DEF Central	MINNEOLA	01/28/2024 11:53:27			5897
106168	DEF	DEF Central	CAMP LAKE (CAMP) - CLERMONT (CLMT) 69KV LINE	01/28/2024 11:46:55	01/29/2024 11:34:09	1427	0
106376	DEF	DEF Central	CLERMONT*	01/28/2024 11:46:09			3200
106170	DEF	DEF Central	HORSE CREEK (HORS) - HORSE CREEK 2 (HOR2) 69KV LINE	01/27/2024 05:34:38	01/27/2024 08:02:04	147	0
106146	DEF	DEF Coastal	FLORA-MAR (FLMR) - NEW PORT RICHEY (NWPR) 115KV LINE	01/26/2024 16:39:48	01/26/2024 19:42:35	182	0
106140	DEF	DEF Coastal	LARGO (LRGO) BK4	01/25/2024 15:53:18	01/29/2024 14:25:35	5672	0
106216	DEF	DEF Central	SINGLETRARY SWITCHING STATION (SGTY) - SOUTH POLK (SOPK) 230KV LINE	01/25/2024 15:14:00	01/25/2024 19:15:12	241	0
106132	DEF	DEF Central	SINGLETRARY SWITCHING STATION (SGTY) - SOUTH POLK (SOPK) 230KV LINE	01/25/2024 10:18:13	01/25/2024 10:18:21	0	0
106124	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	01/24/2024 02:00:29	01/24/2024 02:00:29	0	0
106108	DEF	DEF Central	LAKE WALES (LKWL) 13KV BUS 2	01/23/2024 12:43:18	01/23/2024 13:26:48	43	4663
106100	DEF	DEF Coastal	BARTOW (BART) CT4B	01/22/2024 11:15:05	01/22/2024 11:15:06	0	0
106094	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	01/20/2024 08:35:36	01/20/2024 10:57:34	141	0
106096	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	01/19/2024 20:10:20	01/19/2024 20:10:42	0	0
106050	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	01/19/2024 02:31:16	01/19/2024 02:31:20	0	0
106024	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	01/16/2024 14:52:27	01/16/2024 17:16:02	143	0
106014	DEF	DEF Central	LAKE BRANCH (LKBR) - K5654 MOSAIC FEEDER 25KV (K5654MX LINE)	01/16/2024 12:14:27	01/16/2024 12:14:28	0	0
106010	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	01/16/2024 09:07:54	01/16/2024 13:52:41	284	0
105994	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	01/15/2024 13:14:09	01/15/2024 13:26:01	11	0
105996	DEF	DEF Central	HINES (HINE) ST4S	01/15/2024 11:15:51	01/15/2024 11:15:52	0	0
105984	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	01/14/2024 08:22:33	01/14/2024 08:22:43	0	0
105986	DEF	DEF Central	WEST LAKE WALES (WLWL) 13KV BUS 2	01/13/2024 09:57:56	01/13/2024 11:29:53	91	1217
105988	DEF	DEF North	JASPER SOUTH (JASS) - JENNINGS (JNNG) 69KV LINE	01/13/2024 08:03:52	01/13/2024 08:03:58	0	0
105990	DEF	DEF Central	EAST LAKE WALES (ELWL) - (PRECO) INDIAN LAKES ESTATES (ILE1) 69KV LINE	01/13/2024 06:25:11	01/13/2024 06:25:15	0	0
105992	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - FORT MEADE (FTMD) 69KV LINE	01/13/2024 05:04:44	01/13/2024 05:06:44	2	0
105958	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	01/12/2024 10:05:29	01/12/2024 11:16:05	70	0
105940	DEF	DEF North	ENOLA (ENOL) - HAINES CREEK (HNCK) 69KV LINE	01/11/2024 14:08:00	01/11/2024 16:47:55	159	0
105934	DEF	DEF Central	HINES (HINE) CT1A	01/11/2024 10:33:17	01/11/2024 10:33:18	0	0
105812	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	01/08/2024 22:46:12	01/09/2024 02:03:00	196	0
105814	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	01/08/2024 22:40:12	01/09/2024 00:51:33	131	0
105784	DEF	DEF Central	HORSE CREEK (HORS) - HORSE CREEK 2 (HOR2) 69KV LINE	01/08/2024 10:40:43	01/08/2024 13:31:47	171	0
105770	DEF	DEF North	BUSHNELL EAST (BSNE) - CENTRAL FLORIDA (CFLA) 230KV LINE	01/07/2024 07:50:18	01/07/2024 07:50:32	0	0
105766	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	01/06/2024 13:22:00	01/06/2024 15:37:23	135	0
105768	DEF	DEF Central	BAY HILL (BAYH) - VINELAND (VNLD) 69KV BHV LINE	01/06/2024 10:29:12	01/06/2024 10:29:18	0	0
105764	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	01/06/2024 05:43:13	01/06/2024 06:35:27	52	0
105754	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	01/03/2024 18:43:57	01/03/2024 22:34:05	230	0
105718	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	01/01/2024 05:43:34	01/01/2024 10:54:39	311	0
105732	DEF	DEF Coastal	CITRUS COMBINED CYCLE	01/01/2024 05:19:41			0

GRID CUSTOMERS	INITIATING CAUSE CATEGORY	INITIATING CAUSE	SUSTAINED CAUSE CATEGORY	SUSTAINED CAUSE	RETAIL CMI	GRID CMI
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
5,982	Breaker Equipment	Bushings (Breaker)	Breaker Equipment	Operating Mechanism	131,367	131,367
	0 Miscellaneous	Distribution System Equipment	Other	Other	0	0
	0 Animal	Raccoon	Animal	Raccoon	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Under Investigation (Weather?)	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
2,589	Relay and Control Systems	Physical Connection (Protection System)	Relay and Control Systems	Physical Connection (Protection System)	77,670	77,670
3,322	Breaker Equipment	Trip Coil	Breaker Equipment	Trip Coil	100,468	100,468
	0 Relay and Control Systems	Under Investigation (Relay?)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Animal	Raccoon	Animal	Raccoon	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Unknown	Unknown, after Patrol	Other	No Reclose by Design or Policy	0	0
	0 Unknown	Unknown, after Patrol	Other	No Reclose by Design or Policy	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Animal	Squirrel	Animal	Squirrel	0	0
14,150	Line Equipment	Static Wire (OHGW)	Line Equipment	Static Wire (OHGW)	0	25,046
	0 Customer / Other Util Equip Problems	Customer's Substation Equipment (Non-Duke)	Other	Other	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Breaker Equipment	Insulating/Interrupting Medium	Breaker Equipment	Insulating/Interrupting Medium	0	0
402	Unknown	Under Investigation (Unknown)	Breaker Equipment	Insulating/Interrupting Medium	1,608	1,608
	0 Generating Unit	Generator	Generating Unit	Generator	0	0
	0 Generating Unit	Generator	Generating Unit	Generator	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Unknown	Unknown, after Patrol	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Miscellaneous	External Vibration	Other	Other	0	0
	0 Unknown	Under Investigation (Unknown)	Other	Other	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Line Equipment	Conductor (Line)	Line Equipment	Conductor (Line)	0	0
4,655	Relay and Control Systems	Relay Failure/Misoperation	Relay and Control Systems	Relay Failure/Misoperation	0	8,239
	0 Line Equipment	Conductor (Line)	Line Equipment	Conductor (Line)	0	0
	0 Animal	Bird	Animal	Bird	0	0
	0 Bus Equipment	Station Service Transformer or Fusing	Human Error	Incorrect Wiring	0	0
	0 Generating Unit	Generator	Generating Unit	Generator	0	0
	0 Bus Equipment	Arrestor (Station Bus)	Bus Equipment	Arrestor (Station Bus)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0

0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
1,555 Transformer Equipment	Tap Changer (Manual)	Transformer Equipment	Insulating Medium (Transformer)	4,665	4,665
1,590 Line Equipment	Crossarm	Line Equipment	Crossarm	0	202,598
0 Line Equipment	Crossarm	Other	Other	0	0
0 Unknown	Under Investigation (Unknown)	Unknown	Unknown, after Patrol	0	0
0 Generating Unit	Generator	Other	Other	0	0
0 Unknown	Unknown, after Patrol	Other	Other	0	0
0 Unknown	Unknown, after Patrol	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Relay and Control Systems	Relay Failure/Misoperation	Other	Other	0	0
0 Generating Unit	Generator	Other	Other	0	0
0 Generating Unit	Generator	Generating Unit	Generator	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Generating Unit	Generator	Other	Other	0	0
0 Generating Unit	Generator	Other	Other	0	0
2,098 Breaker Equipment	Interruptioners	Breaker Equipment	Interruptioners	18,886	18,886
1,245 Relay and Control Systems	Relay Failure/Misoperation	Relay and Control Systems	Relay Failure/Misoperation	22,062	22,062
0 Generating Unit	Prime Mover	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 O&M (Planned or Scheduled)	Operating Switching	O&M (Planned or Scheduled)	Operating Switching	0	0
0 Unknown	Under Investigation (Unknown)	Relay and Control Systems	Relay Failure/Misoperation	0	0
1,424 Miscellaneous	Distribution System Equipment	Breaker Equipment	Operating Mechanism	37,024	37,024
0 Unknown	Under Investigation (Unknown)	Human Error	Duke Switching Error	0	0
0 Unknown	Under Investigation (Unknown)	Human Error	Duke Switching Error	0	0
2,250 Public Interference	Vehicle	Breaker Equipment	Operating Mechanism	87,750	87,750
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Relay and Control Systems	Fiber Optic Channel Failure	Relay and Control Systems	Fiber Optic Channel Failure	0	0
0 Unknown	Unknown, after Patrol	Other	Other	0	0
0 Unknown	Unknown, after completed Engineer Investigation	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
4,836 Line Equipment	Crossarm	Line Equipment	Crossarm	0	805,082
0 Unknown	Unknown, after Patrol	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
3,750 Miscellaneous	Distribution System Equipment	Unknown	Unknown, after completed Engineer Investigation	62,378	62,378
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Unknown	Unknown, after Patrol	Other	Other	0	0

	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Line Equipment	Physical Connection (LineConnectors,Clamps, etc.)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Breaker Equipment	Insulating/Interrupting Medium	Breaker Equipment	Operating Mechanism	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, but not Lightning.	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Animal	Raccoon	Animal	Raccoon	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Switch Equipment/Malfunction	Disconnect	Switch Equipment/Malfunction	Disconnect	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Animal	Raccoon	Animal	Raccoon	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, but not Lightning.	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Relay and Control Systems	Physical Connection (Protection System)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Relay and Control Systems	Physical Connection (Protection System)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Relay and Control Systems	Under Investigation (Relay?)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Weather/Environment	Wind	Other	Other	0	0
	0 Unknown	Under Investigation (Unknown)	Relay and Control Systems	Physical Connection (Protection System)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	No Reclose by Design or Policy	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	3,110 Lightning	Lightning,Correlated in lightning detection systm)	Breaker Equipment	Physical Connection/Hardware (Breaker)	54,578	54,578
	0 Breaker Equipment	Insulating/Interrupting Medium	Breaker Equipment	Insulating/Interrupting Medium	0	0
	0 Animal	Raccoon	Animal	Raccoon	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Line Equipment	Crossarm	Other	Other	0	0

	0 Line Equipment	Crossarm	Other	Other	0	0
	0 Line Equipment	Crossarm	Other	Other	0	0
	0 Line Equipment	Crossarm	Other	Other	0	0
	695 Animal	Raccoon	Animal	Raccoon	94,520	94,520
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	6,691 Unknown	Under Investigation (Unknown)	Transformer Equipment	Tap Changer (Manual)	575,821	575,821
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Line Equipment	Static Wire (OHGW)	0	0
	610 Lightning	Lightning,Correlated in lightning detection systm)	Breaker Equipment	Interruptioners	21,960	21,960
	0 Lightning	Lightning,Correlated in lightning detection systm)	Unknown	Unknown, after Patrol	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Unknown	Under Investigation (Unknown)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Breaker Equipment	Insulating/Interrupting Medium	Breaker Equipment	Insulating/Interrupting Medium	0	0
	6,978 Breaker Equipment	Insulating/Interrupting Medium	Breaker Equipment	Insulating/Interrupting Medium	168,414	168,414
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Under Investigation (Weather?)	Unknown	Unknown, after Patrol	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Transformer Equipment	Arrestor (Transformer)	Transformer Equipment	Arrestor (Transformer)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Relay and Control Systems	Relay Failure/Misoperation	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Under Investigation (Unknown)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Lightning	Lightning,Correlated in lightning detection systm)	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Line Equipment	Static Wire (OHGW)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0

	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Generating Unit	Aux Equipment (Generator)	Generating Unit	Aux Equipment (Generator)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Miscellaneous	Distribution System Equipment	Miscellaneous	Distribution System Equipment	0	0
	0 Miscellaneous	Distribution System Equipment	Miscellaneous	Distribution System Equipment	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Generating Unit	Generator	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 O&M (Planned or Scheduled)	Work on Damaged Equipment	Relay and Control Systems	Fiber Optic Channel Failure	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Relay and Control Systems	Relay Failure/Misoperation	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Transformer Equipment	Bushing (Transformer)	Other	Other	0	0
	0 Transformer Equipment	Bushing (Transformer)	Transformer Equipment	Bushing (Transformer)	0	0
	0 Switch Equipment/Malfunction	Disconnect	Switch Equipment/Malfunction	Disconnect	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	5,340 Weather/Environment	Hurricane	Relay and Control Systems	Voltage Transformer Failure (PT, CCPD, CCVT, etc.)	308,792	308,792
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	1,089 Breaker Equipment	Electrical Controls/Circuitry	Breaker Equipment	Electrical Controls/Circuitry	25,207	25,207
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0

0 Breaker Equipment	Electrical Controls/Circuitry	Breaker Equipment	Electrical Controls/Circuitry	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Unknown	Under Investigation (Unknown)	Breaker Equipment	Under Investigation (Breaker)	0	0
0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
11,554 Line Equipment	Insulator (Line, Porcelain)	Line Equipment	Conductor (Line)	0	493,411
0 Customer / Other Util Equip Problems	Unknown Other Util / Customer's Equip	Other	Other	0	0
0 Unknown	Unknown, after Patrol	Other	Other	0	0
0 Capacitor/Reactor	Operating Mechanism (Capacitor / Reactor)	Capacitor/Reactor	Operating Mechanism (Capacitor / Reactor)	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Generating Unit	Generator	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Line Equipment	Insulator (Line, Polymer)	Line Equipment	Conductor (Line)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Animal	Bird Nest	Animal	Bird Nest	0	0
0 Unknown	Unknown, but not Lightning.	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Weather/Environment	Lightning Suspected, yet not correlated	Unknown	Unknown, after Patrol	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
11,554 Line Equipment	Conductor (Line)	Line Equipment	Conductor (Line)	0	298,115
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
3,608 Line Equipment	Static Wire (OHGW)	Line Equipment	Static Wire (OHGW)	1,079,666	1,087,964
14,136 Line Equipment	Conductor (Line)	Line Equipment	Conductor (Line)	1,339,338	2,361,842
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Unknown	Unknown, but not Lightning.	Other	Other	0	0
0 Human Error	Maintenance Personnel (Power Delivery)	Human Error	Maintenance Personnel (Power Delivery)	0	0

	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Animal	Bird	Animal	Bird	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	5,000 Miscellaneous	Distribution System Equipment	Breaker Equipment	Interruption	172,250	172,250
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Unknown	Unknown, but not Lightning.	Unknown	Unknown, but not Lightning.	0	0
	0 Relay and Control Systems	Relay Failure/Misoperation	Relay and Control Systems	Relay Failure/Misoperation	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Animal	Bird	Other	Other	0	0
	2,472 Miscellaneous	Distribution System Equipment	Breaker Equipment	Electrical Controls/Circuitry	79,104	79,104
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	354 Breaker Equipment	Operating Mechanism	Breaker Equipment	Operating Mechanism	23,364	23,364
	2,060 Breaker Equipment	Operating Mechanism	Breaker Equipment	Operating Mechanism	183,340	183,340
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	24,458 Relay and Control Systems	Relay Failure/Misoperation	Relay and Control Systems	Relay Failure/Misoperation	173,977	173,977
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Unknown	Unknown, after completed Engineer Investigation	Other	Other	0	0
	0 Relay and Control Systems	Cable (Protection System)	Other	No Reclose by Design or Policy	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Public Interference	Construction Vehicle/ Farm Equip (Except Crane)	Public Interference	Construction Vehicle/ Farm Equip (Except Crane)	0	0
	0 Public Interference	Construction Vehicle/ Farm Equip (Except Crane)	Public Interference	Construction Vehicle/ Farm Equip (Except Crane)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	3,353 Breaker Equipment	Operating Mechanism	Breaker Equipment	Operating Mechanism	106,074	106,074

0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Unknown	Unknown	Other	Other	0	0
477 Breaker Equipment	Operating Mechanism	Breaker Equipment	Operating Mechanism	40,068	40,068
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Unknown	Unknown, but not Lightning.	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Unknown	Unknown	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
3,939 Switch Equipment/Malfunction	Disconnect	Switch Equipment/Malfunction	Disconnect	218,506	218,506
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Unknown	Unknown, after Patrol	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
0 Unknown	Unknown, after Patrol	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0 Unknown	Unknown, after Patrol	Other	Other	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Human Error	Maintenance Personnel (Power Delivery)	Human Error	Maintenance Personnel (Power Delivery)	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0 Generating Unit	Bus (Generator)	Other	Other	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Other	No Reclose by Design or Policy	0	0
0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Weather/Environment	Lightning Suspected, yet not correlated	Weather/Environment	Lightning Suspected, yet not correlated	0	0
0 Lightning	Lightning,Correlated in lightning detection systm)	Lightning	Lightning,Correlated in lightning detection systm)	0	0

7,374	Animal	Squirrel	Breaker Equipment	Trip Coil	395,130	395,130
0	Generating Unit	Generator	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Animal	Bird	Animal	Bird	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
0	Unknown	Under Investigation (Unknown)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Bus Equipment	Station Service Transformer or Fusing	Bus Equipment	Station Service Transformer or Fusing	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
2,286	Miscellaneous	Distribution System Equipment	Breaker Equipment	Operating Mechanism	168,512	168,512
0	Lightning	Lightning,Correlated in lightning detection system)	Other	Other	0	0
0	Weather/Environment	Lightning Suspected, yet not correlated	Unknown	Unknown, after Patrol	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Animal	Unknown (Animal)	Bus Equipment	Station Service Transformer or Fusing	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Weather/Environment	Lightning Suspected, yet not correlated	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
3,757	Animal	Raccoon	Animal	Raccoon	11,271	11,271
0	Lightning	Lightning,Correlated in lightning detection system)	Line Equipment	Static Wire (OHGW)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Lightning	Lightning,Correlated in lightning detection system)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Unknown Other Util / Customer's Equip	Customer / Other Util Equip Problems	Unknown Other Util / Customer's Equip	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
8,687	Transformer Equipment	Cooling Equipment (Transformer)	Transformer Equipment	Cooling Equipment (Transformer)	1,060,808	1,060,808
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Breaker Equipment	Under Investigation (Breaker)	Breaker Equipment	Under Investigation (Breaker)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Weather/Environment	Under Investigation (Weather?)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Animal	Raccoon	Animal	Raccoon	0	0

	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
2,375	Miscellaneous	Distribution System Equipment	Breaker Equipment	Operating Mechanism	107,325	107,325
	0 Generating Unit	Aux Equipment (Generator)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Relay and Control Systems	Current Transformer Failure	Relay and Control Systems	Current Transformer Failure	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Animal	Vulture / Buzzard Contact	Animal	Vulture / Buzzard Contact	0	0
	0 Unknown	Under Investigation (Unknown)	Generating Unit	Generator	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
5,723	Line Equipment	Structure (Wood)	Line Equipment	Structure (Wood)	0	423,216
2,904	Animal	Bird	Animal	Bird	293,302	293,302
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, but not Lightning.	Unknown	Unknown, but not Lightning.	0	0
	0 Unknown	Unknown, but not Lightning.	Unknown	Unknown, but not Lightning.	0	0
	0 Human Error	Duke Switching Error	Other	Other	0	0
	0 Animal	Eagle	Animal	Eagle	0	0
	0 Generating Unit	Aux Equipment (Generator)	Generating Unit	Aux Equipment (Generator)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, but not Lightning.	Other	Other	0	0
2,686	Unknown	Unknown, but not Lightning.	Unknown	Unknown, but not Lightning.	0	4,647
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
435	Lightning	Lightning,Correlated in lightning detection systm)	Lightning	Lightning,Correlated in lightning detection systm)	0	987
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
1,172	Unknown	Unknown, after completed Engineer Investigation	Unknown	Unknown, after completed Engineer Investigation	51,568	51,568
	0 Unknown	Unknown	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Breaker Equipment	Close Coil	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Miscellaneous	Distribution System Equipment	Human Error	Incorrect Relay Setting	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Miscellaneous	Interruption From Other Source Station	0	0
	0 Relay and Control Systems	Relay Failure/Misoperation	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Breaker Equipment	Close Coil	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Weather/Environment	Lightning Suspected, yet not correlated	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0

2,760	Lightning	Lightning,Correlated in lightning detection systm)	Breaker Equipment	Operating Mechanism	82,959	82,959
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Animal	Snake	Animal	Snake	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
851	Breaker Equipment	Insulating/Interrupting Medium	Breaker Equipment	Insulating/Interrupting Medium	4,255	4,255
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Weather/Environment	Lightning Suspected, yet not correlated	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
44	Human Error	Construction (PD Contractor)	Human Error	Construction (PD Contractor)	0	4,180
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Line Equipment	Static Wire (OHGW)	Line Equipment	Static Wire (OHGW)	103,092	103,092
0	Transformer Equipment	TCUL	Other	Other	0	0
0	Public Interference	Crane	Public Interference	Crane	0	0
0	Animal	Bird Nest	Other	Other	0	0
0	Transformer Equipment	Winding, Internal Elements	Transformer Equipment	Winding, Internal Elements	0	0
0	Breaker Equipment	Insulating/Interrupting Medium	Breaker Equipment	Insulating/Interrupting Medium	0	0
0	Breaker Equipment	Insulating/Interrupting Medium	Breaker Equipment	Insulating/Interrupting Medium	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Generating Unit	Generator	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
5,902	Animal	Squirrel	Animal	Squirrel	185,984	185,984
0	Unknown	Unknown, after Patrol	Other	Other	0	0
0	Generating Unit	Aux Equipment (Generator)	Other	Other	0	0
0	Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
1	Vegetation	Tree/Tree Limbs Cut Into (Internal Crew)	Vegetation	Tree/Tree Limbs Cut Into (Internal Crew)	0	41
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Breaker Equipment	Close Coil	0	0
0	Unknown	Under Investigation (Unknown)	Unknown	Unknown, after Patrol	0	0
0	Switch Equipment/Malfunction	Reclosing blocked during active work	Switch Equipment/Malfunction	Reclosing blocked during active work	0	0
0	Unknown	Under Investigation (Unknown)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Animal	Vulture / Buzzard Contact	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Animal	Raccoon	Animal	Raccoon	0	0
0	Generating Unit	Aux Equipment (Generator)	Other	Other	0	0
1,778	Miscellaneous	Distribution System Equipment	Breaker Equipment	Operating Mechanism	112,082	112,082
0	Lightning	Lightning,Correlated in lightning detection systm)	Lightning	Lightning,Correlated in lightning detection systm)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
1,446	Miscellaneous	Distribution System Equipment	Breaker Equipment	Failed to Reclose	63,708	63,708
0	Unknown	Unknown, but not Lightning.	Other	Other	0	0
0	Generating Unit	Generator	Other	Other	0	0
0	Generating Unit	Generator	Other	Other	0	0

	0 Unknown	Unknown, but not Lightning.	Other	Other	0	0
	0 Generating Unit	Under Investigation (Generating Unit?)	Generating Unit	Generator	0	0
	0 Generating Unit	Under Investigation (Generating Unit?)	Generating Unit	Generator	0	0
	0 Generating Unit	Generator	Other	Other	0	0
	0 Generating Unit	Generator	Other	Other	0	0
	0 Unknown	Unknown, but not Lightning.	Other	No Reclose by Design or Policy	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Line Equipment	Conductor (Line)	O&M (Planned or Scheduled)	Return to Normal	0	0
	0 Generating Unit	Aux Equipment (Generator)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Unknown	Unknown, after completed Engineer Investigation	Unknown	Unknown, after completed Engineer Investigation	0	0
	0 Line Equipment	Conductor (Line)	Line Equipment	Conductor (Line)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Unknown	Unknown, but not Lightning.	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, but not Lightning.	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Generating Unit	Generator	Other	Other	0	0
	0 Generating Unit	Generator	Other	Other	0	0
	0 Generating Unit	Generator	Other	Other	0	0
	0 Unknown	Under Investigation (Unknown)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Transformer Equipment	Other Aux Equipment (Controls, alarms, etc.)	Transformer Equipment	Other Aux Equipment (Controls, alarms, etc.)	0	0
	0 Unknown	Unknown	Other	Other	0	0
	3,242 Switch Equipment/Malfunction	Disconnect	Switch Equipment/Malfunction	Disconnect	48,764	48,764
	0 Vegetation	Tree Falling from Outside ROW	Vegetation	Tree Falling from Outside ROW	0	0
	452 Miscellaneous	Distribution System Equipment	Breaker Equipment	Failed to Reclose	2,712	2,712
	0 Human Error	Maintenance Personnel (Power Delivery)	Human Error	Maintenance Personnel (Power Delivery)	0	0
	4 Unknown	Under Investigation (Unknown)	Animal	Bird	263	263
	0 Generating Unit	Generator	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection system)	Other	Other	0	0
	0 O&M (Planned or Scheduled)	Work on Damaged Equipment	Line Equipment	Conductor (Line)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Bus Equipment	Arrestor (Station Bus)	Bus Equipment	Arrestor (Station Bus)	0	0
	691 Miscellaneous	Interruption From Other Source Station	Bus Equipment	Arrestor (Station Bus)	124,380	124,380
	0 Weather/Environment	Lightning Suspected, yet not correlated	Bus Equipment	Arrestor (Station Bus)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Substation Equipment (Non-Duke)	Other	Other	0	0
	0 Generating Unit	Generator	Other	Other	0	0
	0 Generating Unit	Generator	Other	Other	0	0
	0 O&M (Planned or Scheduled)	Work on Damaged Equipment	Line Equipment	Static Wire (OHGW)	0	0

1,993	Line Equipment	Static Wire (OHGW)	Line Equipment	Static Wire (OHGW)	133,551	133,551
8,166	Animal	Squirrel	Animal	Squirrel	259,345	259,345
0	Breaker Equipment	Failed to Reclose	Breaker Equipment	Failed to Reclose	0	0
0	Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
0	Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
2,368	Miscellaneous	Distribution System Equipment	Breaker Equipment	Electrical Controls/Circuitry	165,760	165,760
0	Unknown	Unknown, after Patrol	Other	Other	0	0
0	O&M (Planned or Scheduled)	Work on Damaged Equipment	Bus Equipment	Coupling Capacitor Device	0	0
0	Unknown	Unknown, but not Lightning.	Other	Other	0	0
0	Breaker Equipment	Operating Mechanism	Breaker Equipment	Failed to Reclose	0	0
0	Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
0	Unknown	Under Investigation (Unknown)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Unknown	Unknown, after Patrol	Other	Other	0	0
0	Unknown	Unknown, after Patrol	Other	Other	0	0
0	Unknown	Unknown, after Patrol	Other	Other	0	0
0	Line Equipment	Insulator (Line, Polymer)	Line Equipment	Insulator (Line, Polymer)	0	0
0	Weather/Environment	Under Investigation (Weather?)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
0	Weather/Environment	Under Investigation (Weather?)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
1,921	Miscellaneous	Distribution System Equipment	Breaker Equipment	Electrical Controls/Circuitry	78,761	78,761
0	Human Error	Incorrect Wiring	Other	Other	0	0
0	Breaker Equipment	Operating Mechanism	Breaker Equipment	Operating Mechanism	0	0
0	Unknown	Unknown, after completed Engineer Investigation	Relay and Control Systems	Relay Failure/Misoperation	0	0
0	Unknown	Under Investigation (Unknown)	Relay and Control Systems	Relay Failure/Misoperation	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Generating Unit	Aux Equipment (Generator)	Other	Other	0	0
0	Unknown	Under Investigation (Unknown)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
0	Animal	Unknown (Animal)	Other	Other	0	0
0	Unknown	Unknown, but not Lightning.	Relay and Control Systems	Reclosing blocked during active work	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
2	Miscellaneous	Distribution System Equipment	Breaker Equipment	Failed to Reclose	54	54
0	Generating Unit	Generator	Other	Other	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
0	Unknown	Unknown, after Patrol	Other	Other	0	0
0	Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
0	Lightning	Lightning,Correlated in lightning detection systm)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0

	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Unknown	Under Investigation (Unknown)	Weather/Environment	Rain (Includes Fog,Mist,Drizzle)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Relay and Control Systems	Relay Failure/Misoperation	Relay and Control Systems	Physical Connection (Protection System)	0	0
	1,176 Relay and Control Systems	Relay Failure/Misoperation	Relay and Control Systems	Relay Failure/Misoperation	9,408	9,408
	2,132 Relay and Control Systems	Relay Failure/Misoperation	Relay and Control Systems	Relay Failure/Misoperation	10,660	10,660
	0 Unknown	Under Investigation (Unknown)	Other	Other	0	0
	0 Line Equipment	Structure (Wood)	Line Equipment	Structure (Wood)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Unknown	Under Investigation (Unknown)	Unknown	Under Investigation (Unknown)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	1,422 Miscellaneous	Distribution System Equipment	Breaker Equipment	Operating Mechanism	21,626	21,626
	0 O&M (Planned or Scheduled)	Work on Damaged Equipment	Bus Equipment	Coupling Capacitor Device	0	0
	0 Human Error	Maintenance Personnel (Power Delivery)	Human Error	Maintenance Personnel (Power Delivery)	0	0
	0 Human Error	Maintenance Personnel (Power Delivery)	Human Error	Maintenance Personnel (Power Delivery)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 O&M (Planned or Scheduled)	Work on Damaged Equipment	Line Equipment	Static Wire (OHGW)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Line Equipment	Static Wire (OHGW)	Line Equipment	Static Wire (OHGW)	0	0
	0 O&M (Planned or Scheduled)	Work on Damaged Equipment	Line Equipment	Static Wire (OHGW)	0	0
	0 Line Equipment	Conductor (Line)	Other	Other	0	0
	0 Line Equipment	Static Wire (OHGW)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Line Equipment	Static Wire (OHGW)	Other	Other	0	0
	0 Line Equipment	Static Wire (OHGW)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	7,616 Relay and Control Systems	Physical Connection (Protection System)	Relay and Control Systems	Physical Connection (Protection System)	60,928	60,928
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Generating Unit	Aux Equipment (Generator)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0

	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Generating Unit	Under Investigation (Generating Unit?)	Generating Unit	Generator	0	0
	0 Generating Unit	Under Investigation (Generating Unit?)	Generating Unit	Generator	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Human Error	Maintenance Personnel (Power Delivery)	Transformer Equipment	Other Aux Equipment (Controls, alarms, etc.)	0	0
	0 Switch Equipment/Malfunction	Circuit Switcher	O&M (Planned or Scheduled)	Preventive Maintenance Activity	0	0
	0 Generating Unit	Aux Equipment (Generator)	Other	Other	0	0
	0 Unknown	Unknown, but not Lightning.	Other	Other	0	0
	0 Generating Unit	Aux Equipment (Generator)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Line Equipment	Static Wire (OHGW)	Line Equipment	Static Wire (OHGW)	0	0
	670 Line Equipment	Static Wire (OHGW)	Line Equipment	Static Wire (OHGW)	0	314,578
	0 Switch Equipment/Malfunction	Gang Switch/Disconnect	Switch Equipment/Malfunction	Gang Switch/Disconnect	0	0
	0 Switch Equipment/Malfunction	Gang Switch/Disconnect	Transformer Equipment	Other Aux Equipment (Controls, alarms, etc.)	0	0
	4,952 Switch Equipment/Malfunction	Gang Switch/Disconnect	Switch Equipment/Malfunction	Gang Switch/Disconnect	0	24,414
	5,897 Public Interference	Vehicle	Line Equipment	Structure (Wood)	337,012	337,012
	0 Public Interference	Vehicle	Line Equipment	Structure (Wood)	0	0
	3,200 Public Interference	Vehicle	Line Equipment	Structure (Wood)	418,152	418,152
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 O&M (Planned or Scheduled)	Work on Damaged Equipment	Relay and Control Systems	Fiber Optic Channel Failure	0	0
	0 O&M (Planned or Scheduled)	Work on Damaged Equipment	Switch Equipment/Malfunction	Gang Switch/Disconnect	0	0
	0 Line Equipment	Static Wire (OHGW)	O&M (Planned or Scheduled)	Work on Damaged Equipment	0	0
	0 Line Equipment	Static Wire (OHGW)	Other	Other	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	4,663 Human Error	Construction (PD Contractor)	Human Error	Construction (PD Contractor)	53,838	53,838
	0 Generating Unit	Aux Equipment (Generator)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Unknown	Unknown, but not Lightning.	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Generating Unit	Under Investigation (Generating Unit?)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	1,217 Animal	Squirrel	Animal	Squirrel	16,584	16,584
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Lightning	Lightning,Correlated in lightning detection systm)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, but not Lightning.	Unknown	Unknown, but not Lightning.	0	0
	0 Generating Unit	Aux Equipment (Generator)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	No Reclose by Design or Policy	0	0
	0 Unknown	Unknown, but not Lightning.	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Under Investigation (Unknown)	Unknown	Under Investigation (Unknown)	0	0

ATTACHMENT B

OUTAGE ID	COMPANY SECTION		LOCATION	OUTAGAE START TIME	CIRCUIT RESTORATION TIME	OUTAGE MIN RETAIL CUSTOMERS		
105820	DEF	DEF North	QUINCY (QNCY) - CITY OF QUINCY (QCYS) 69KV QB LINE	01/09/2024 08:33:08	01/09/2024 08:38:12	5		0
105824	DEF	DEF North	JACKSON BLUFF (JBLF) - LIBERTY (LBTY) 69KV JBL LINE	01/09/2024 09:03:16	01/09/2024 13:35:24	272		0
105826	DEF	DEF North	QUINCY (QNCY) - CITY OF QUINCY (QCYS) 69KV QB LINE	01/09/2024 10:01:36	01/09/2024 10:01:37	0		0
105830	DEF	DEF North	ATWATER (AWTR) - QUINCY (QNCY) 115KV LINE	01/09/2024 10:12:06	01/09/2024 10:12:16	0		0
105832	DEF	DEF North	PERRY (PRRY) - (TCEC) PERRY (PRY7) 69KV PC LINE	01/09/2024 09:55:58	01/09/2024 20:11:07	615		0
105840	DEF	DEF North	CRAWFORDVILLE (CRAW) - JACKSON BLUFF (JBLF) 69KV LINE	01/09/2024 10:49:56	01/09/2024 10:50:04	0		0
105842	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	01/09/2024 11:24:17	01/09/2024 15:46:32	262		0
105846	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	01/09/2024 11:47:12	01/09/2024 15:45:56	238		0
105862	DEF	DEF Coastal	BRONSON (BRSN) - CHIEFLAND (CHIF) 69KV BC LINE	01/09/2024 13:41:08	01/09/2024 13:41:12	0		0
105880	DEF	DEF Coastal	LARGO (LRGO) - PALM HARBOR (PMHR) 230KV LINE	01/09/2024 16:03:32	01/10/2024 10:28:07	1104		0
105882	DEF	DEF Coastal	OAKHURST (OAKH) 13KV BUS 1A	01/09/2024 15:50:09	01/09/2024 16:35:27	45		5692
105884	DEF	DEF Coastal	CURLEW (CURL) - HIGGINS (HIGG) 115KV CIRCUIT 1	01/09/2024 16:02:10	01/09/2024 16:02:18	0		0
105900	DEF	DEF Central	SINGLETARY SWITCHING STATION (SGTY) - SOUTH POLK (SOPK) 230KV LINE	01/09/2024 18:18:40	01/10/2024 16:00:37	1301		0
105902	DEF	DEF Central	VANDOLAH (VAND) - WAUCHULA POD (WACP) 69KV VW LINE	01/09/2024 18:05:16	01/10/2024 19:38:40	1533		0
105908	DEF	DEF Coastal	BELLEAIR (BELR) - CLEARWATER (CLWR) 69KV LINE	01/09/2024 19:35:36	01/09/2024 23:24:00	228		0
106008	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	01/09/2024 18:18:41	01/09/2024 18:18:48	0		0
106044	DEF	DEF Central	DEBARY (DBRY) - DEBARY P2 - P6 (DBRY) 230KV DPSB1 LINE	01/17/2024 15:22:48	01/17/2024 16:03:38	40		0
107666	DEF	DEF Coastal	BELLEAIR*	01/09/2024 16:03:37	01/10/2024 00:00:37	477		3386
107908	DEF	DEF North	HICKORY SWITCHING STATION (HICK) - PERRY (PRRY) 69KV LINE	05/10/2024 07:56:24	05/10/2024 20:13:07	736		0
107910	DEF	DEF North	DRIFTON (DFTN) - PERRY (PRRY) 115KV DP2 LINE	05/10/2024 07:40:42	05/10/2024 07:40:47	0		0
107912	DEF	DEF North	DRIFTON (DFTN) - PERRY (PRRY) 115KV DP2 LINE	05/10/2024 07:32:34	05/10/2024 07:32:39	0		0
107914	DEF	DEF North	DRIFTON (DFTN) - PERRY (PRRY) 69KV DP LINE	05/10/2024 07:32:34	05/10/2024 07:32:40	0		0
107916	DEF	DEF North	DRIFTON (DFTN) - WAUKEENAH (WKNA) 115KV DWH FEEDER	05/10/2024 07:24:11	05/10/2024 07:24:51	0		0
107918	DEF	DEF North	TALLAHASSEE (TALL) - (TAL) TALLAHASSEE 1 (TAL1) 115KV TX LINE	05/10/2024 06:58:00	05/11/2024 00:11:43	1033		0
107920	DEF	DEF North	JACKSON BLUFF (JBLF) - LIBERTY (LBTY) 69KV JBL LINE	05/10/2024 06:42:41	05/10/2024 09:11:00	148		0
107922	DEF	DEF North	CRAWFORDVILLE (CRAW) - JACKSON BLUFF (JBLF) 69KV LINE	05/10/2024 07:25:30	05/10/2024 11:06:15	220		0
107926	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	05/10/2024 08:33:50	05/13/2024 09:00:00	4346		0
107928	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	05/10/2024 08:29:24	05/10/2024 14:02:31	333		0
107930	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	05/10/2024 08:29:00	05/10/2024 22:29:08	840		0
107932	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	05/10/2024 08:23:14	05/10/2024 10:43:00	139		0
107934	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	05/10/2024 08:23:14	05/10/2024 12:23:32	240		0
107936	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N360 NUTRIEN FEEDER 25KV (N360 LINE)	05/10/2024 08:21:58	05/10/2024 18:14:23	592		0
107938	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	05/10/2024 08:17:52	05/10/2024 15:54:01	456		0
107940	DEF	DEF North	SUWANNEE TRANSMISSION (SWTR) - (FPL) HOGAN (HOGN) 115KV LINE	05/10/2024 08:10:59	05/10/2024 10:18:52	127		0
107942	DEF	DEF North	FORT WHITE (FWHT) - SUWANNEE TRANSMISSION (SWTR) 115KV SF LINE	05/10/2024 08:05:33	05/11/2024 11:04:39	1619		0
107948	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	05/10/2024 08:18:04	05/11/2024 17:11:00	1972		0
107950	DEF	DEF North	HILDRETH SOLAR (HLSO) - HICKORY SWITCHING STATION (HICK) 69KV HHSO LINE	05/10/2024 08:30:42	05/10/2024 08:36:38	5		0
107952	DEF	DEF North	FORT WHITE (FWHT) - HICKORY SWITCHING STATION (HICK) 69KV LINE	05/10/2024 08:30:20	05/10/2024 08:34:00	3		0
107954	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV WEST CIRCUIT	05/10/2024 08:18:40	05/10/2024 22:21:56	843		0
107956	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV WEST CIRCUIT	05/10/2024 08:17:28	05/10/2024 08:17:36	0		0
107958	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV WEST CIRCUIT	05/10/2024 08:16:18	05/10/2024 08:16:26	0		0
107960	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV WEST CIRCUIT	05/10/2024 08:14:38	05/10/2024 08:14:46	0		0
107962	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV WEST CIRCUIT	05/10/2024 08:13:03	05/10/2024 08:13:12	0		0
107980	DEF	DEF North	GEORGIA PACIFIC (GAPC) - (CFEC) COUNTRY CLUB (CCL5) 69KV LINE	05/10/2024 22:37:24	05/10/2024 22:37:24	0		0
109938	DEF	DEF Central	CLARCONA (CLAR) - OCOEE (OCOE) 69KV LINE	07/21/2024 17:56:37	07/22/2024 02:07:04	490		0
109940	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	07/21/2024 16:01:34	07/21/2024 16:59:30	57		0
109942	DEF	DEF Central	FORT GREEN 10 (FG10) - F10MX MOSAIC FEEDER 25KV (F10MX LINE)	07/21/2024 06:52:36	07/21/2024 08:17:39	85		0
109956	DEF	DEF North	ENOLA (ENOL) - HAINES CREEK (HNCK) 69KV LINE	07/21/2024 18:43:26	07/22/2024 06:09:15	685		0
109958	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	07/21/2024 18:56:04	07/21/2024 20:01:18	65		0
109992	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	07/21/2024 20:47:51	07/21/2024 20:48:01	0		0
110054	DEF	DEF North	LISBON	07/21/2024 18:47:39				7902
110412	DEF	DEF Coastal	ULMERTON WEST*	07/21/2024 13:56:25				2377
110518	DEF	DEF Coastal	CHIEFLAND (CHIF) - INGLIS (INGL) 69KV LINE	08/04/2024 14:14:02	08/04/2024 14:14:10	0		0

110520	DEF	DEF North	CENTRAL FLORIDA (CFLA) - ORANGE BLOSSOM (OBLS) 69KV LINE	08/04/2024 13:19:40	08/04/2024 13:19:47	0	0
110522	DEF	DEF Coastal	BELLEAIR (BELR) - CLEARWATER (CLWR) 69KV LINE	08/04/2024 09:42:52	08/04/2024 09:42:58	0	0
110524	DEF	DEF Coastal	MAXIMO (MXMO) - BAYWAY (BYWY) 115KV LINE	08/04/2024 17:42:58	08/04/2024 17:42:58	0	0
110526	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	08/04/2024 17:02:35	08/04/2024 18:22:43	80	0
110528	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	08/04/2024 16:34:40	08/06/2024 15:20:54	2806	0
110530	DEF	DEF Central	NORTH BARTOW (NBTW) - (TECO) SOUTH ELOISE (SOEL) 230KV LINE	08/04/2024 16:17:59	08/05/2024 20:37:00	1699	0
110532	DEF	DEF Coastal	LARGO (LRGO) - SEMINOLE (SMNL) 230KV LINE	08/04/2024 19:03:28	08/04/2024 19:03:34	0	0
110534	DEF	DEF Coastal	STARKEY ROAD (STAR) 13KV BUS 2	08/04/2024 19:38:48	08/04/2024 20:39:05	60	9051
110536	DEF	DEF North	CHIEFLAND (CHIF) - INGLIS (INGL) 69KV LINE	08/04/2024 21:11:05	08/04/2024 21:11:13	0	0
110538	DEF	DEF North	CRAWFORDVILLE (CRAW) - ST. MARKS EAST (STME) 69KV CS LINE	08/05/2024 03:59:13	08/05/2024 03:59:23	0	0
110540	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N360 NUTRIEN FEEDER 25KV (N360 LINE)	08/05/2024 03:45:49	08/05/2024 03:45:53	0	0
110542	DEF	DEF North	JASPER SOUTH (JASS) - OCCIDENTAL SWIFT CREEK 1 (OSC1) 115KV LINE	08/05/2024 03:43:43	08/05/2024 03:43:47	0	0
110544	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	08/04/2024 23:30:11	08/04/2024 23:46:37	16	0
110546	DEF	DEF North	CHIEFLAND (CHIF) - INGLIS (INGL) 69KV LINE	08/04/2024 22:52:15	08/06/2024 19:28:37	2676	1319
110548	DEF	DEF Coastal	BROOKSVILLE (BKVL) 13KV BUS 2	08/04/2024 22:35:43	08/05/2024 00:45:09	129	2912
110550	DEF	DEF North	DRIFTON (DFTN) - WAUKEENAH (WKNA) 115KV DWH FEEDER	08/05/2024 04:56:30	08/05/2024 04:56:34	0	0
110552	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	08/05/2024 04:52:15	08/06/2024 08:28:34	1656	0
110554	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	08/05/2024 04:51:21	08/06/2024 12:15:46	1884	0
110556	DEF	DEF North	CENTRAL FLORIDA (CFLA) - ORANGE BLOSSOM (OBLS) 69KV LINE	08/05/2024 05:07:47	08/05/2024 09:06:28	238	0
110558	DEF	DEF North	CENTRAL FLORIDA (CFLA) - ORANGE BLOSSOM (OBLS) 69KV LINE	08/05/2024 05:02:15	08/05/2024 05:02:39	0	0
110560	DEF	DEF North	SUWANNEE TRANSMISSION (SWTR) - (FPL) HOGAN (HOGN) 115KV LINE	08/05/2024 05:58:51	08/05/2024 15:05:23	546	0
110562	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	08/05/2024 05:41:49	08/06/2024 15:14:50	2013	0
110564	DEF	DEF North	HICKORY SWITCHING STATION (HICK) - PERRY (PRRY) 69KV LINE	08/05/2024 06:28:06	08/06/2024 10:45:36	1697	693
110566	DEF	DEF North	COLUMBIA SOLAR (CBSO) GENERATOR	08/05/2024 06:36:00	08/05/2024 13:13:40	397	0
110568	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - FORT MEADE (FTMD) 69KV LINE	08/05/2024 06:30:04	08/05/2024 06:30:22	0	0
110570	DEF	DEF North	DRIFTON (DFTN) - PERRY (PRRY) 69KV DP LINE	08/05/2024 07:03:27	08/05/2024 07:03:32	0	2570
110572	DEF	DEF North	DRIFTON (DFTN) - MONTICELLO (MCLO) 69KV DB LINE	08/05/2024 07:14:23	08/06/2024 19:13:15	2158	0
110574	DEF	DEF North	CRAWFORDVILLE (CRAW) - ST. MARKS EAST (STME) 69KV CS LINE	08/05/2024 07:17:12	08/06/2024 19:53:18	2196	0
110576	DEF	DEF North	MADISON (MDSN) - SUWANNEE TRANSMISSION (SWTR) 115KV SUM LINE	08/05/2024 07:27:24	08/05/2024 07:27:32	0	0
110578	DEF	DEF North	BRADFORDVILLE WEST (BRDW) - DRIFTON (DFTN) 115KV LINE	08/05/2024 07:26:19	08/07/2024 11:27:00	3120	0
110580	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	08/05/2024 08:42:08	08/06/2024 12:22:56	1660	0
110582	DEF	DEF North	DRIFTON (DFTN) - PERRY (PRRY) 115KV DP2 LINE	08/05/2024 08:56:14	08/05/2024 08:56:22	0	0
110584	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV EAST CIRCUIT	08/05/2024 09:06:54	08/05/2024 09:07:00	0	0
110586	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV EAST CIRCUIT	08/05/2024 09:18:20	08/07/2024 19:18:00	3479	0
110588	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	08/05/2024 09:09:38	08/06/2024 13:28:47	1699	0
110590	DEF	DEF North	COLUMBIA SWITCHING STATION (CLMB) - HIGH SPRINGS (HISP) 69KV LINE	08/05/2024 09:34:45	08/05/2024 09:34:49	0	0
110592	DEF	DEF North	TRENTON (TNTN) - WILCOX (WLX) 69KV LINE	08/05/2024 09:31:57	08/05/2024 09:32:03	0	0
110594	DEF	DEF North	DRIFTON (DFTN) - HANSON (HNSN) 115KV LINE	08/05/2024 09:28:47	08/06/2024 16:23:22	1854	0
110596	DEF	DEF North	CHIEFLAND (CHIF) - GEORGIA PACIFIC (GAPC) 69KV LINE	08/05/2024 10:35:29	08/05/2024 10:36:06	0	0
110610	DEF	DEF Central	EAST ORANGE (EORN) - SUNFLOWER (SUNF) 69KV LINE	08/05/2024 15:06:15	08/05/2024 15:06:21	0	0
110614	DEF	DEF Central	SUNFLOWER (SUNF) BK1	08/05/2024 15:06:14	08/05/2024 20:58:02	351	0
110618	DEF	DEF North	FORT WHITE*	08/05/2024 09:09:42			0
110620	DEF	DEF North	FORT WHITE*	08/05/2024 09:11:10			0
110632	DEF	DEF North	CHIEFLAND (CHIF) - INGLIS (INGL) 69KV LINE	08/06/2024 09:00:15	08/06/2024 15:38:35	398	0
110640	DEF	DEF Coastal	BROOKSVILLE (BKVL) - (TECO) UNION HALL (UHAL) 69KV LINE	08/06/2024 10:47:19	08/06/2024 17:05:59	378	0
110654	DEF	DEF Coastal	BRONSON (BRSN) - (CFEC) OTTER CREEK (OCR5) 69KV BOC LINE	08/06/2024 11:06:53	08/06/2024 19:28:15	501	0
110656	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	08/06/2024 14:47:11	08/06/2024 22:00:02	432	0
110902	DEF	DEF Central	CLARCONA	07/21/2024 17:56:37	07/22/2024 02:07:04	490	4746
111014	DEF	DEF Coastal	STARKEY ROAD*	08/04/2024 19:38:49			3197
111778	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N353 NUTRIEN FEEDER 25KV (N353 LINE)	09/26/2024 09:03:51	09/30/2024 17:22:28	6258	0
111782	DEF	DEF Central	ALTAMONTE (ALMT) - NORTH LONGWOOD (NLGW) 69KV CIRCUIT 2	09/26/2024 13:06:59	09/26/2024 13:08:29	1	0
111784	DEF	DEF Coastal	DENHAM (DNHM) - (TECO) DALE MABRY (DALE) 69KV LINE	09/26/2024 14:06:01	09/26/2024 14:06:05	0	0
111786	DEF	DEF Central	ALTAMONTE (ALMT) - NORTH LONGWOOD (NLGW) 69KV CIRCUIT 2	09/26/2024 14:00:53	09/27/2024 09:54:31	1193	0
111794	DEF	DEF North	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	09/26/2024 15:45:28	09/26/2024 15:45:38	0	0

111796	DEF	DEF Coastal	LARGO (LRGO) - SEMINOLE (SMNL) 230KV LINE	09/26/2024 15:33:46	09/26/2024 15:33:52	0	0
111798	DEF	DEF Coastal	ELFERS (ELFR) - SEVEN SPRINGS (SEVS) 115KV SE NORTH CIRCUIT	09/26/2024 15:54:32	09/26/2024 15:55:18	0	0
111800	DEF	DEF Coastal	ELFERS (ELFR) - SEVEN SPRINGS (SEVS) 115KV SE SOUTH CIRCUIT	09/26/2024 15:54:32	09/26/2024 15:55:18	0	0
111802	DEF	DEF Central	VANDOLAH (VAND) - WAUCHULA POD (WACP) 69KV VW LINE	09/26/2024 16:46:46	09/26/2024 19:57:40	190	0
111804	DEF	DEF Coastal	ELFERS (ELFR) - SEVEN SPRINGS (SEVS) 115KV SE NORTH CIRCUIT	09/26/2024 16:44:32	09/26/2024 21:10:05	265	0
111806	DEF	DEF Coastal	ELFERS (ELFR) - SEVEN SPRINGS (SEVS) 115KV SE SOUTH CIRCUIT	09/26/2024 16:44:32	09/26/2024 21:10:05	265	0
111808	DEF	DEF Coastal	DISSTON (DISS) - KENNETH CITY (KENN) 115KV LINE	09/26/2024 16:36:26	09/26/2024 19:06:25	149	0
111812	DEF	DEF Central	DRY PRAIRIE (DRPR) - DPMX2 MOSAIC FEEDER 69KV (DPMX2 LINE)	09/26/2024 16:23:37	09/26/2024 16:24:39	1	0
111814	DEF	DEF Coastal	SEVEN SPRINGS (SEVS) - TARPON SPRINGS (TPNS) 115KV ST WEST CIRCUIT 1	09/26/2024 17:05:42	09/28/2024 05:54:27	2208	0
111816	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	09/26/2024 17:01:49	09/27/2024 11:50:04	1128	0
111818	DEF	DEF Coastal	KENNETH CITY (KENN) BK1	09/26/2024 16:36:26	09/26/2024 19:02:28	146	0
111820	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	09/26/2024 17:48:00	09/26/2024 17:48:09	0	0
111822	DEF	DEF North	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	09/26/2024 18:01:54	09/26/2024 18:02:04	0	0
111826	DEF	DEF Coastal	HIGHLANDS (HILD) BK2	09/26/2024 18:10:17	09/26/2024 18:10:18	0	0
111832	DEF	DEF Coastal	LARGO (LRGO) - SEMINOLE (SMNL) 230KV LINE	09/26/2024 18:52:19	09/26/2024 18:52:28	0	0
111834	DEF	DEF Coastal	HIGHLANDS (HILD) 13KV BUS 2	09/26/2024 19:52:40	09/26/2024 22:39:14	166	0
111838	DEF	DEF Coastal	LECANTO (LECA) - PINE RIDGE (PNRG) 115KV LINE	09/26/2024 20:54:13	09/27/2024 19:12:42	1338	0
111840	DEF	DEF North	PINE RIDGE (PNRG) BK2	09/26/2024 20:54:13	09/26/2024 21:09:59	15	0
111842	DEF	DEF Coastal	BROOKSVILLE (BKVL) - HAMMOCK (HMMK) 69KV LINE	09/26/2024 20:24:19	09/26/2024 20:24:23	0	0
111844	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	09/26/2024 21:12:51	10/08/2024 15:12:42	16919	0
111846	DEF	DEF North	CHIEFLAND (CHIF) - INGLIS (INGL) 69KV LINE	09/26/2024 21:12:09	09/26/2024 21:12:17	0	0
111848	DEF	DEF Coastal	51ST STREET (ST51) - PASADENA (PASA) 230KV LINE	09/26/2024 21:48:01	09/26/2024 21:48:07	0	0
111850	DEF	DEF North	OLD TOWN NORTH (OTNN) - (CFEC) OLD TOWN (OTN5) 69KV LINE	09/26/2024 22:14:15	09/26/2024 21:42:19	0	0
111852	DEF	DEF North	CROSS CITY (XCTY) - OLD TOWN NORTH (OTNN) 69KV LINE	09/26/2024 21:09:13	09/28/2024 19:12:16	2763	0
111854	DEF	DEF North	HULL ROAD (HULL) - LEGACY PARK POD (LGPK) 69KV LINE	09/26/2024 21:58:47	09/26/2024 22:01:27	2	0
111856	DEF	DEF North	DRIFTON (DFTN) - PERRY (PRRY) 115KV DP2 LINE	09/26/2024 22:37:11	09/26/2024 22:37:19	0	0
111858	DEF	DEF North	CHIEFLAND (CHIF) - INGLIS (INGL) 69KV LINE	09/26/2024 22:36:00	09/28/2024 15:02:13	2426	0
111860	DEF	DEF North	TRENTON (TNTN) - WILCOX (WLCX) 69KV LINE	09/26/2024 22:26:33	09/26/2024 22:26:39	0	0
111862	DEF	DEF North	MARTIN WEST (MTNW) - ZUBER (ZUBR) 69KV LINE	09/26/2024 22:21:12	09/26/2024 22:21:20	0	0
111864	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	09/26/2024 22:19:23	10/01/2024 14:48:37	6749	0
111866	DEF	DEF North	CROSS CITY (XCTY) - WILCOX (WLCX) 69KV LINE	09/26/2024 22:13:19	09/27/2024 15:35:10	1041	0
111868	DEF	DEF North	CROSS CITY (XCTY) - (TCEC) STEINHATCHEE (STN7) 69KV LINE	09/26/2024 22:10:33	09/28/2024 13:50:54	2380	0
111870	DEF	DEF North	GINNIE (GINI) - TRENTON (TNTN) 69KV LINE	09/26/2024 22:01:25	09/29/2024 16:39:57	3998	0
111872	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	09/26/2024 21:57:38	09/30/2024 11:08:29	5110	0
111874	DEF	DEF Coastal	BROOKSVILLE (BKVL) - HAMMOCK (HMMK) 69KV LINE	09/26/2024 20:24:19	09/28/2024 15:30:20	2586	0
111876	DEF	DEF North	DRIFTON (DFTN) - PERRY (PRRY) 69KV DP LINE	09/26/2024 22:38:09	09/30/2024 08:48:29	4930	0
111880	DEF	DEF North	FORT WHITE (FWHT) - PERRY (PRRY) 115KV FP2 LINE	09/26/2024 23:42:17	09/28/2024 09:26:39	2024	0
111882	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV WEST CIRCUIT	09/26/2024 23:30:15	09/30/2024 11:30:51	5040	0
111884	DEF	DEF North	JASPER SOUTH (JASS) - OCCIDENTAL SWIFT CREEK 1 (OSC1) 115KV LINE	09/26/2024 23:29:33	09/26/2024 23:29:45	0	0
111886	DEF	DEF North	FORT WHITE (FWHT) - PERRY (PRRY) 115KV FP2 LINE	09/26/2024 23:22:57	09/26/2024 23:23:01	0	0
111888	DEF	DEF North	DRIFTON (DFTN) - HANSON (HNSN) 115KV LINE	09/26/2024 23:21:03	09/28/2024 09:55:39	2074	0
111890	DEF	DEF North	SUWANNEE TRANSMISSION (SWTR) - (SOCO) TWIN LAKES (TWNL) 115KV LINE	09/26/2024 23:19:03	09/26/2024 23:19:07	0	0
111892	DEF	DEF North	DRIFTON (DFTN) - PERRY (PRRY) 115KV DP2 LINE	09/26/2024 23:14:17	09/30/2024 08:33:56	4879	0
111894	DEF	DEF North	DRIFTON (DFTN) - HANSON (HNSN) 115KV LINE	09/26/2024 23:12:25	09/26/2024 23:12:33	0	0
111896	DEF	DEF North	SUWANNEE TRANSMISSION (SWTR) - (FPL) HOGAN (HOGN) 115KV LINE	09/26/2024 23:02:15	09/27/2024 14:38:28	936	0
111898	DEF	DEF North	COLUMBIA SWITCHING STATION (CLMB) - HIGH SPRINGS (HISP) 69KV LINE	09/26/2024 23:01:27	09/28/2024 16:30:34	2489	0
111900	DEF	DEF Coastal	SEMINOLE (SMNL) 69KV BUS 1	09/26/2024 22:59:20	09/27/2024 02:22:12	202	0
111902	DEF	DEF North	MADISON (MDSN) - SUWANNEE TRANSMISSION (SWTR) 115KV SUM LINE	09/26/2024 22:57:11	09/27/2024 20:58:44	1321	0
111904	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N360 NUTRIEN FEEDER 25KV (N360 LINE)	09/26/2024 22:56:20	10/01/2024 19:03:05	6966	0
111906	DEF	DEF North	CRAWFORDVILLE (CRAW) - ST. MARKS EAST (STME) 69KV CS LINE	09/26/2024 22:55:17	10/01/2024 10:39:12	6463	0
111908	DEF	DEF Coastal	OAKHURST (OAKH) - SEMINOLE (SMNL) 69KV LINE	09/26/2024 22:54:09	09/29/2024 13:27:14	3753	0
111910	DEF	DEF Coastal	OAKHURST (OAKH) 69KV BUS 1	09/26/2024 22:54:09	09/27/2024 05:15:48	381	0
111912	DEF	DEF North	BRADFORDVILLE WEST (BRDW) - DRIFTON (DFTN) 115KV LINE	09/27/2024 00:07:04	09/29/2024 20:11:15	4084	0
111914	DEF	DEF North	DRIFTON (DFTN) - MONTICELLO (MCLO) 69KV DB LINE	09/26/2024 23:49:20	09/28/2024 21:52:52	2763	0

111916	DEF	DEF North	TRENTON (TNTN) - WILCOX (WLCX) 69KV LINE	09/26/2024 23:47:31	09/26/2024 23:47:59	0	0
111918	DEF	DEF Central	HANSON (HNSN) - MADISON (MDSN) 115KV HM LINE	09/26/2024 23:46:21	09/27/2024 21:02:01	1275	0
111920	DEF	DEF North	COLUMBIA SWITCHING STATION (CLMB) - (CEC) FORT WHITE (FWT4) 69KV LINE	09/26/2024 23:45:31	09/27/2024 13:45:00	839	0
111922	DEF	DEF North	DRIFTON (DFTN) - WAUKEENAH (WKNA) 115KV DWH FEEDER	09/26/2024 23:26:51	09/29/2024 00:29:14	2942	0
111924	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	09/26/2024 23:22:44	10/01/2024 16:41:31	6798	0
111926	DEF	DEF North	CENTRAL FLORIDA (CFLA) 500KV BUS 1	09/26/2024 23:20:47	09/27/2024 09:17:28	596	0
111928	DEF	DEF North	CITRUS COMBINED CYCLE (CITR) - CENTRAL FLORIDA (CFLA) 500KV CRCF LINE	09/26/2024 23:20:47	09/27/2024 09:17:28	596	0
111930	DEF	DEF North	JASPER SOUTH (JASS) - OCCIDENTAL SWIFT CREEK 1 (OSC1) 115KV LINE	09/26/2024 23:57:51	09/30/2024 15:12:29	5234	0
111934	DEF	DEF North	HAMILTON SWITCHING STATION (HMLT) - SUWANEE TRANSMISSION (SWTR) 115KV CIRCUIT 2	09/27/2024 00:08:27	09/29/2024 12:48:11	3639	0
111938	DEF	DEF North	FORT WHITE (FWHT) - SUWANNEE TRANSMISSION (SWTR) 115KV SF LINE	09/26/2024 23:45:57	09/27/2024 20:11:58	1226	0
111940	DEF	DEF North	HICKORY SWITCHING STATION (HICK) - PERRY (PRRY) 69KV LINE	09/27/2024 00:55:39	09/27/2024 00:55:47	0	0
111942	DEF	DEF North	JASPER SOUTH (JASS) - (SOCO) WEST HOMERVILLE (WMHR) 115KV LINE	09/27/2024 00:34:29	10/01/2024 14:35:14	6600	0
111944	DEF	DEF North	JASPER SOUTH (JASS) - JENNINGS (JNNG) 69KV LINE	09/27/2024 00:06:25	09/30/2024 17:28:15	5361	0
111946	DEF	DEF North	HAMILTON SWITCHING STATION (HMLT) - HANSON (HNSN) 115KV LINE	09/26/2024 23:44:45	09/29/2024 15:00:51	3796	0
111948	DEF	DEF North	JASPER SOUTH (JASS) 13KV BUS 1	09/26/2024 23:10:43	09/30/2024 11:53:27	5082	0
111950	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 115KV EAST CIRCUIT	09/26/2024 23:10:43	09/30/2024 11:53:27	5082	0
111952	DEF	DEF North	JASPER SOUTH (JASS) BK1	09/26/2024 23:10:43	09/30/2024 11:53:27	5082	0
111954	DEF	DEF North	ARCHER (ARCH) - HULL ROAD (HULL) 69KV LINE	09/26/2024 22:37:19	09/30/2024 20:07:00	5609	0
111956	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - SUWANNEE TRANSMISSION (SWTR) 115KV LINE	09/26/2024 23:55:41	09/30/2024 01:21:28	4405	0
111958	DEF	DEF North	HAMILTON SWITCHING STATION (HMLT) - JASPER SOUTH (JASS) 115KV LINE	09/27/2024 00:08:27	09/30/2024 19:52:00	5503	0
111960	DEF	DEF North	SUWANNEE TRANSMISSION (SWTR) - (SOCO) TWIN LAKES (TWNL) 115KV LINE	09/26/2024 23:25:25	09/29/2024 20:06:31	4121	0
111966	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	09/26/2024 23:49:21	10/09/2024 09:58:53	17889	0
112086	DEF	DEF North	OLD TOWN NORTH (OTNN) - WILCOX (WLCX) 69KV LINE	09/26/2024 23:47:13	09/27/2024 19:10:12	1162	0
112088	DEF	DEF North	OLD TOWN NORTH (OTNN) - (CFEC) DEMPSEY (DMP5) 69KV LINE	09/26/2024 22:13:19	09/27/2024 19:10:12	1256	0
112152	DEF	DEF Central	OVIEDO (OVDO) 13KV BUS 1	09/26/2024 23:29:43	09/27/2024 08:04:34	514	0
112154	DEF	DEF Central	OVIEDO (OVDO) BK1	09/26/2024 23:29:43	09/27/2024 08:04:34	514	0
112470	DEF	DEF North	MARTIN WEST (MTNW) - MARTIN (MRTN) 69KV MM LINE	09/27/2024 14:54:40	09/29/2024 09:52:25	2577	0
112686	DEF	DEF Coastal	CURLEW (CURL) - HIGGINS (HIGG) 115KV CIRCUIT 2	09/27/2024 18:38:12	09/28/2024 12:11:11	1052	0
112858	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	09/28/2024 11:22:55	09/28/2024 20:30:20	547	0
112860	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	09/28/2024 11:16:55	09/28/2024 11:18:25	1	0
112862	DEF	DEF North	BRADFORDVILLE WEST (BRDW) - DRIFTON (DFTN) 115KV LINE	09/28/2024 15:23:22	09/28/2024 15:32:18	8	0
112890	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	09/29/2024 03:19:55	09/29/2024 03:20:07	0	0
112930	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	09/29/2024 10:10:05	09/29/2024 10:10:11	0	0
112932	DEF	DEF North	FORT WHITE (FWHT) - JASPER SOUTH (JASS) 69KV LINE	09/29/2024 10:52:51	09/29/2024 10:52:59	0	0
112940	DEF	DEF North	UMATILLA POD (UMAP) - (SECO) PAISLEY (PAY3) 69KV LINE	09/29/2024 15:26:51	09/29/2024 15:27:55	1	0
112950	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	09/30/2024 05:02:48	09/30/2024 05:02:48	0	0
112952	DEF	DEF Central	UCF (UCFL) BK1	09/30/2024 01:02:43	09/30/2024 20:28:56	1166	0
112968	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	09/30/2024 11:26:00	09/30/2024 13:27:59	121	0
112974	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	10/01/2024 04:51:02	10/01/2024 04:51:12	0	0
112984	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	10/01/2024 15:42:49	10/01/2024 17:40:00	117	0
113014	DEF	DEF Central	SOUTH FORT MEADE (SFMD) - K748 MOSAIC FEEDER 25KV (K748MX LINE)	10/02/2024 05:57:52	10/02/2024 05:58:02	0	0
113016	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N360 NUTRIEN FEEDER 25KV (N360 LINE)	10/02/2024 08:44:14	10/02/2024 08:44:16	0	0
113086	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	10/03/2024 04:54:20	10/03/2024 04:54:20	0	0
113220	DEF	DEF Coastal	ULMERTON WEST (ULMW) - WALSINGHAM (WALS) 69KV LINE	10/03/2024 16:34:25	10/04/2024 15:10:05	1355	0
113222	DEF	DEF Coastal	ODESSA (ODSA) - TARPON SPRINGS (TPNS) 69KV LINE	10/03/2024 16:24:00	10/03/2024 16:24:05	0	0
113400	DEF	DEF Central	INTERCESSION CITY (ICTY) BK1	10/04/2024 05:16:12	10/04/2024 14:52:06	575	2535
113402	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	10/03/2024 21:41:49	10/03/2024 21:41:49	0	0
113404	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	10/03/2024 19:39:07	10/03/2024 19:39:19	0	0
113418	DEF	DEF Coastal	BARTOW (BART) CT4A	10/05/2024 04:56:46	10/05/2024 04:56:47	0	0
113420	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N355 NUTRIEN FEEDER 25KV (N355 LINE)	10/04/2024 16:39:33	10/23/2024 09:03:00	26903	0
113430	DEF	DEF Central	FORT GREEN 4 (FGN4) - F4MX MOSAIC FEEDER 25KV (F4MX LINE)	10/05/2024 15:13:11	10/07/2024 07:43:41	2430	0
113434	DEF	DEF North	OCCIDENTAL SWIFT CREEK 1 (OSC1) - N494 NUTRIEN FEEDER 25KV (N494 LINE)	10/06/2024 10:26:26	10/06/2024 14:20:33	234	0
113436	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	10/06/2024 06:30:13	10/06/2024 06:30:13	0	0
113444	DEF	DEF Coastal	BARTOW (BART) CT4A	10/07/2024 04:49:50	10/07/2024 04:49:51	0	0

113446	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N360 NUTRIEN FEEDER 25KV (N360 LINE)	10/06/2024 21:03:15	10/06/2024 21:03:17	0	0
113462	DEF	DEF Central	LAKE BRANCH (LKBR) - K5656 MOSAIC FEEDER 25KV (K5656MX LINE)	10/08/2024 05:40:09	10/08/2024 05:40:15	0	0
113476	DEF	DEF Coastal	BARTOW (BART) - BARTOW AUX LOAD 1A 1C (BART) 230KV LINE	10/08/2024 19:55:51	10/10/2024 15:23:53	2608	0
113478	DEF	DEF Coastal	BARTOW (BART) - BARTOW AUX LOAD 1B 1D (BART) 230KV LINE	10/08/2024 19:55:16	10/10/2024 15:24:48	2609	0
113480	DEF	DEF Coastal	BARTOW (BART) - NORTHEAST (NOEA) 230KV BNUG8 CABLE 8	10/08/2024 19:54:23	10/10/2024 15:23:19	2608	0
113486	DEF	DEF Coastal	BARTOW (BART) - NORTHEAST (NOEA) 230KV BNUG6 CABLE 6	10/08/2024 18:27:14	10/13/2024 06:05:53	6458	0
113490	DEF	DEF Coastal	BARTOW (BART) - NORTHEAST (NOEA) 230KV BNUG9 CABLE 9	10/08/2024 18:17:30	10/11/2024 09:54:53	3817	0
113494	DEF	DEF Central	ORANGEWOOD (ORWD) 13KV BUS 2	10/09/2024 10:47:27	10/09/2024 11:51:00	63	0
113496	DEF	DEF Central	SOUTH FORT MEADE (SFMD) MOSAIC FEEDER (K741)	10/09/2024 11:27:21	10/13/2024 12:59:09	5851	0
113498	DEF	DEF Central	LAKE BRANCH (LKBR) MOSAIC FEEDER (K5654)	10/09/2024 11:26:09	10/21/2024 18:26:51	17700	0
113500	DEF	DEF Central	PARKER BRANCH (PKBR) MOSAIC FEEDERS	10/09/2024 11:25:00	10/12/2024 17:30:18	4685	0
113502	DEF	DEF Central	DRY PRAIRIE (DRPR) MOSAIC FEEDER 1 (DPMX1)	10/09/2024 12:41:01	10/23/2024 09:58:49	19997	0
113504	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) NUTRIEN FEEDER (N363) LOAD	10/09/2024 14:03:00	10/09/2024 14:56:43	53	0
113506	DEF	DEF Central	DESOTO CITY (DSOC) - LAKE PLACID NORTH (LKPN) 69KV LINE	10/09/2024 14:41:50	10/11/2024 12:15:59	2734	0
113508	DEF	DEF Central	LAKE PLACID (LPLC) - LAKE PLACID NORTH (LKPN) 69KV LINE	10/09/2024 14:41:50	10/11/2024 12:17:10	2735	0
113510	DEF	DEF Central	LAKE PLACID SOLAR (LKPS) - LAKE PLACID NORTH (LKPN) 69KV LINE	10/09/2024 14:41:50	10/14/2024 18:35:58	7434	0
113512	DEF	DEF Central	LAKE PLACID (LPLC) - LAKE PLACID NORTH (LKPN) 69KV LINE	10/09/2024 14:19:06	10/09/2024 14:21:00	1	0
113514	DEF	DEF Coastal	CENTRAL PLAZA (CPLZ) - MAXIMO (MXMO) 115KV LINE	10/09/2024 16:25:57	10/13/2024 11:05:14	5439	0
113516	DEF	DEF Coastal	TRI-CITY (TRIC) BK2	10/09/2024 16:10:25	10/09/2024 16:10:26	0	0
113518	DEF	DEF Coastal	TRI-CITY (TRIC) BK2	10/09/2024 16:39:49	10/09/2024 16:39:50	0	0
113520	DEF	DEF Central	NORTH BARTOW (NBTW) BK1	10/09/2024 17:19:40	10/11/2024 19:07:00	2987	0
113522	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) NUTRIEN FEEDER (N363) LOAD	10/09/2024 17:18:41	10/10/2024 11:39:52	1101	0
113524	DEF	DEF Coastal	TRI-CITY (TRIC) BK3	10/09/2024 17:11:55	10/09/2024 17:11:56	0	0
113526	DEF	DEF Coastal	LARGO (LRGO) - SEMINOLE (SMNL) 230KV LINE	10/09/2024 18:56:13	10/11/2024 16:09:26	2713	0
113528	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	10/09/2024 18:54:39	10/10/2024 10:17:28	922	0
113530	DEF	DEF Coastal	PILSBURY (PLSB) BK2	10/09/2024 18:53:28	10/09/2024 18:53:29	0	0
113532	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - LECANTO (LECA) 115KV LINE	10/09/2024 18:42:49	10/09/2024 18:42:57	0	0
113534	DEF	DEF Coastal	DUNNELLON TOWN (DNLN) - ADAMS (ADAM) 69KV LINE	10/09/2024 18:34:11	10/11/2024 20:46:19	3012	0
113536	DEF	DEF Coastal	BROOKER CREEK (BROK) - TARPON SPRINGS (TPNS) 115KV LINE	10/09/2024 18:26:07	10/12/2024 14:40:50	4094	0
113538	DEF	DEF Central	HUNTERS CREEK (HUNT) - SHINGLE CREEK (SHGL) 69KV LINE	10/09/2024 19:09:49	10/09/2024 19:09:57	0	0
113540	DEF	DEF Coastal	CROSS BAYOU (XBYU) - DISSTON (DISS) 69KV LINE	10/09/2024 19:22:07	10/13/2024 13:36:00	5413	0
113542	DEF	DEF Coastal	FLORAL CITY (FLRC) - INVERNESS POD (INVPOD) 69KV LINE	10/09/2024 19:23:34	10/12/2024 10:48:19	3804	0
113544	DEF	DEF North	HOWEY METERING #2 (HOWN) - OKAHUMPKA (OKHP) 69KV LINE	10/09/2024 19:30:53	10/09/2024 19:31:02	0	0
113546	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	10/09/2024 19:38:01	10/09/2024 19:38:09	0	0
113548	DEF	DEF Coastal	DISSTON (DISS) - STARKEY ROAD (STAR) 69KV LINE	10/09/2024 19:37:19	10/09/2024 19:38:05	0	0
113550	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	10/09/2024 19:51:49	10/09/2024 19:51:53	0	0
113552	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	10/09/2024 19:55:05	10/09/2024 19:55:13	0	0
113554	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	10/09/2024 19:55:05	10/09/2024 19:55:13	0	0
113556	DEF	DEF Central	FORT GREEN 4 (FGN4) - F4MX MOSAIC FEEDER 25KV (F4MX LINE)	10/09/2024 20:10:53	10/14/2024 08:14:06	6483	0
113558	DEF	DEF Central	DESOTO CITY (DSOC) - PHILLIPS (PHIL) - DINNER LAKE (DNRL) 69KV LINE	10/09/2024 20:10:01	10/09/2024 20:10:05	0	0
113560	DEF	DEF Central	DESOTO CITY (DSOC) - PHILLIPS (PHIL) - DINNER LAKE (DNRL) 69KV LINE	10/09/2024 20:00:00	10/09/2024 20:00:00	0	0
113562	DEF	DEF Central	VANDOLAH (VAND) - (PRECO) MURPHY ROAD (MRF1) 69KV VHC LINE	10/09/2024 19:58:45	10/10/2024 13:08:39	1029	0
113564	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - LECANTO (LECA) 115KV LINE	10/09/2024 20:18:26	10/09/2024 20:18:34	0	0
113566	DEF	DEF Coastal	PILSBURY (PLSB) 13KV BUS 2	10/09/2024 20:17:30	10/09/2024 20:17:31	0	0
113568	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	10/09/2024 20:46:31	10/09/2024 20:46:31	0	0
113570	DEF	DEF Coastal	TAYLOR AVENUE (TYLR) - WALSINGHAM (WALS) 69KV LINE	10/09/2024 20:44:00	10/12/2024 18:15:34	4171	0
113572	DEF	DEF Central	VANDOLAH (VAND) - WAUCHULA POD (WACP) 69KV VW LINE	10/09/2024 20:27:16	10/11/2024 16:37:00	2649	0
113574	DEF	DEF Central	APOPKA SOUTH (APOPS) - WOODSMERE (WOOD) 69KV LINE	10/09/2024 20:23:43	10/11/2024 17:06:06	2682	0
113576	DEF	DEF Coastal	NORTHEAST (NOEA) - ULMERTON (ULMR) 230KV CIRCUIT 2	10/09/2024 20:23:33	10/12/2024 20:49:51	4346	0
113578	DEF	DEF Central	APOPKA SOUTH (APOPS) - WOODSMERE (WOOD) 69KV LINE	10/09/2024 20:23:33	10/09/2024 20:23:43	0	0
113580	DEF	DEF Coastal	ULMERTON WEST (ULMW) - WALSINGHAM (WALS) 69KV LINE	10/09/2024 20:23:14	10/09/2024 20:23:20	0	0
113582	DEF	DEF Central	DESOTO CITY (DSOC) - PHILLIPS (PHIL) - DINNER LAKE (DNRL) 69KV LINE	10/09/2024 14:41:57	10/09/2024 20:42:24	360	0
113584	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - PEACOCK (PCOK) 69KV LINE	10/09/2024 21:06:21	10/11/2024 02:59:45	1793	0
113586	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - PEACOCK (PCOK) 69KV LINE	10/09/2024 21:05:03	10/09/2024 21:05:09	0	0

113588	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - PEACOCK (PCOK) 69KV LINE	10/09/2024 21:04:31	10/09/2024 21:04:37	0	0
113590	DEF	DEF Coastal	NORTHEAST (NOEA) - ULMERTON (ULMR) 230KV CIRCUIT 2	10/09/2024 21:00:36	10/12/2024 20:49:51	4309	0
113592	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - PEACOCK (PCOK) 69KV LINE	10/09/2024 20:58:15	10/09/2024 20:58:21	0	0
113594	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - PEACOCK (PCOK) 69KV LINE	10/09/2024 20:52:43	10/09/2024 20:52:49	0	0
113596	DEF	DEF Coastal	BROOKSVILLE (BKVL) - (TECO) UNION HALL (UHAL) 69KV LINE	10/09/2024 20:52:24	10/12/2024 16:00:47	4028	0
113598	DEF	DEF Central	FORT GREEN 10 (FG10) - F10MX MOSAIC FEEDER 25KV (F10MX LINE)	10/09/2024 20:47:34	11/11/2024 14:08:12	47120	0
113600	DEF	DEF Central	DESOTO CITY (DSOC) - PHILLIPS (PHIL) - DINNER LAKE (DNRL) 69KV LINE	10/09/2024 20:44:13	10/10/2024 20:02:30	1398	0
113602	DEF	DEF Central	FORT MEADE (FTMD) - WEST LAKE WALES (WLWL) 230KV LINE	10/09/2024 21:13:03	10/09/2024 21:13:11	0	0
113604	DEF	DEF Central	SINGLETARY SWITCHING STATION (SGTY) - SOUTH POLK (SOPK) 230KV LINE	10/09/2024 21:09:02	10/12/2024 15:16:28	3967	0
113606	DEF	DEF Coastal	LARGO (LRGO) - ULMERTON WEST (ULMW) 69KV LINE	10/09/2024 21:18:30	10/09/2024 21:18:31	0	0
113608	DEF	DEF Central	VANDOLAH (VAND) - (SECI) HARDEE (HARD) 230KV CIRCUIT 2	10/09/2024 21:17:42	10/10/2024 11:30:59	853	0
113610	DEF	DEF Coastal	DISSTON (DISS) BK4	10/09/2024 21:21:53	12/20/2024 10:51:31	103049	0
113612	DEF	DEF Central	DELAND EAST (DELE) - (FPL) DELAND (DLND) 115KV DEX LINE	10/09/2024 21:20:02	10/09/2024 21:20:11	0	0
113614	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - FORT MEADE (FTMD) 69KV LINE	10/09/2024 21:24:27	10/09/2024 21:24:39	0	0
113616	DEF	DEF Coastal	DISSTON (DISS) - NORTHEAST (NOEA) 230KV LINE	10/09/2024 21:00:39	10/12/2024 22:14:21	4393	0
113618	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) 69KV BUS 6	10/09/2024 21:35:57	10/11/2024 08:32:55	2096	0
113620	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - VANDOLAH (VAND) 69KV CIRCUIT 1	10/09/2024 21:33:40	10/09/2024 21:33:48	0	0
113622	DEF	DEF Coastal	HUDSON (HUDS) - SHADY HILLS (SHDY) 230KV LINE	10/09/2024 21:33:28	10/11/2024 19:18:38	2745	0
113624	DEF	DEF Central	DELAND EAST (DELE) - (FPL) DELAND (DLND) 115KV DEX LINE	10/09/2024 21:32:05	10/09/2024 21:32:38	0	0
113626	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - FORT MEADE (FTMD) 69KV LINE	10/09/2024 21:27:51	10/09/2024 21:27:59	0	0
113628	DEF	DEF North	BUSHNELL EAST (BSNE) - CENTER HILL (CTRH) 69KV LINE	10/09/2024 21:25:15	10/09/2024 21:25:19	0	0
113630	DEF	DEF Coastal	40TH STREET (ST40) - NORTHEAST (NOEA) 230KV LINE	10/09/2024 21:01:09	10/12/2024 23:12:24	4451	0
113632	DEF	DEF Coastal	ULMERTON WEST (ULMW) - WALSINGHAM (WALS) 69KV LINE	10/09/2024 21:44:06	10/09/2024 21:44:16	0	0
113634	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - VANDOLAH (VAND) 69KV CIRCUIT 1	10/09/2024 21:43:41	10/11/2024 02:07:11	1703	0
113636	DEF	DEF Central	COUNTRY OAKS (COAK) - EAST LAKE WALES (ELWL) 69KV LINE	10/09/2024 22:23:49	10/09/2024 22:23:53	0	0
113638	DEF	DEF Central	COUNTRY OAKS (COAK) - LAKE WALES (LKWL) 69KV LINE	10/09/2024 22:23:47	10/09/2024 22:27:25	3	0
113640	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	10/09/2024 22:14:39	10/12/2024 22:21:23	4326	0
113642	DEF	DEF Coastal	BROOKSVILLE (BKVL) - HAMMOCK (HMMK) 69KV LINE	10/09/2024 22:12:50	10/13/2024 18:40:14	5547	0
113644	DEF	DEF Central	SOUTH POLK (SOPK) - SOUTH FORT MEADE (SFMD) 115KV LINE	10/09/2024 22:11:08	10/09/2024 22:12:59	1	0
113646	DEF	DEF North	HOWEY METERING #2 (HOWN) - OKAHUMPKA (OKHP) 69KV LINE	10/09/2024 22:04:28	10/09/2024 22:04:31	0	0
113648	DEF	DEF North	HOWEY METERING #2 (HOWN) - OKAHUMPKA (OKHP) 69KV LINE	10/09/2024 22:04:26	10/11/2024 18:20:00	2655	0
113650	DEF	DEF Coastal	NEW RIVER (NWRV) - WIRE ROAD (WIRE) 230KV NRWR LINE	10/09/2024 22:02:44	10/09/2024 22:02:47	0	0
113652	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - LECANTO (LECA) 115KV LINE	10/09/2024 22:01:40	10/09/2024 22:04:38	2	0
113654	DEF	DEF Coastal	LARGO (LRGO) - ULMERTON WEST (ULMW) 69KV LINE	10/09/2024 21:59:54	10/10/2024 10:11:14	731	0
113656	DEF	DEF North	HOWEY METERING #2 (HOWN) - OKAHUMPKA (OKHP) 69KV LINE	10/09/2024 21:57:38	10/09/2024 21:57:44	0	0
113658	DEF	DEF Coastal	FLORA-MAR (FLMR) - NEW PORT RICHEY (NWPR) 115KV LINE	10/09/2024 21:55:05	10/09/2024 21:55:11	0	0
113660	DEF	DEF Coastal	BROOKSVILLE (BKVL) - HAMMOCK (HMMK) 69KV LINE	10/09/2024 21:53:14	10/09/2024 21:53:18	0	0
113662	DEF	DEF Coastal	ULMERTON WEST (ULMW) - WALSINGHAM (WALS) 69KV LINE	10/09/2024 21:50:06	10/11/2024 20:23:42	2793	0
113664	DEF	DEF Central	AVON PARK (AVPK) - FORT MEADE (FTMD) 230KV LINE	10/09/2024 21:47:49	10/09/2024 21:52:24	4	0
113666	DEF	DEF Central	DELAND EAST (DELE) - (FPL) DELAND (DLND) 115KV DEX LINE	10/09/2024 22:26:59	10/09/2024 22:28:49	1	0
113668	DEF	DEF Coastal	OAKHURST (OAKH) - WALSINGHAM (WALS) 69KV LINE	10/09/2024 21:46:01	10/09/2024 21:47:37	1	0
113670	DEF	DEF Coastal	BROOKRIDGE (BKRG) - BROOKSVILLE WEST (BKVW) 115KV BBW CIRCUIT 1	10/09/2024 22:58:27	10/09/2024 22:58:37	0	0
113672	DEF	DEF North	CENTER HILL (CTRH) BK1	10/09/2024 22:56:15	10/10/2024 11:22:22	746	0
113674	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - LECANTO (LECA) 115KV LINE	10/09/2024 22:53:20	10/09/2024 22:53:28	0	0
113676	DEF	DEF North	CENTER HILL (CTRH) BK1	10/09/2024 22:49:19	10/09/2024 22:49:23	0	0
113678	DEF	DEF Central	AVON PARK (AVPK) - FORT MEADE (FTMD) 230KV LINE	10/09/2024 22:48:25	10/10/2024 16:57:00	1088	0
113680	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - LECANTO (LECA) 115KV LINE	10/09/2024 22:47:16	10/09/2024 22:47:24	0	0
113682	DEF	DEF Central	NORTH BARTOW (NBTW) - ORANGE SWITCHING (ORSW) 69KV LINE	10/09/2024 22:45:09	10/09/2024 22:45:18	0	0
113684	DEF	DEF Central	COUNTRY OAKS (COAK) - DUNDEE (DUND) 69KV LINE	10/09/2024 22:37:54	10/10/2024 21:28:11	1370	0
113686	DEF	DEF North	CENTER HILL (CTRH) BK1	10/09/2024 22:36:35	10/09/2024 22:36:39	0	0
113688	DEF	DEF Coastal	BROOKRIDGE (BKRG) - BROOKSVILLE WEST (BKVW) 115KV BBW CIRCUIT 1	10/09/2024 22:34:03	10/09/2024 22:34:13	0	0
113690	DEF	DEF Central	COUNTRY OAKS (COAK) - EAST LAKE WALES (ELWL) 69KV LINE	10/09/2024 22:23:47	10/12/2024 10:34:36	3610	0
113692	DEF	DEF Central	COUNTRY OAKS (COAK) - LAKE WALES (LKWL) 69KV LINE	10/09/2024 22:23:47	10/11/2024 15:51:20	2487	0
113694	DEF	DEF Central	COUNTRY OAKS (COAK) 69KV BUS	10/09/2024 22:23:47	10/10/2024 21:28:11	1384	0

113696	DEF	DEF Central	FORT MEADE (FTMD) BK4	10/09/2024 21:13:07	10/09/2024 21:13:15	0	0
113698	DEF	DEF Coastal	40TH STREET (ST40) - 51ST STREET (ST51) 115KV LINE	10/09/2024 23:20:20	10/13/2024 18:14:22	5454	0
113700	DEF	DEF North	BUSHNELL EAST (BSNE) - CENTER HILL (CTRH) 69KV LINE	10/09/2024 23:17:40	10/09/2024 23:17:44	0	0
113702	DEF	DEF North	BUSHNELL EAST (BSNE) - CENTER HILL (CTRH) 69KV LINE	10/09/2024 23:12:02	10/09/2024 23:12:06	0	0
113704	DEF	DEF Central	CLERMONT EAST (CMTE) - LAKE LOUISA (LLOU) 69KV LINE	10/09/2024 23:11:50	10/09/2024 23:12:00	0	0
113706	DEF	DEF Coastal	NEW RIVER (NRV) - (TECO) HANDCART (HCRT) 69KV NRH LINE	10/09/2024 23:04:26	10/09/2024 23:04:30	0	0
113708	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - LECANTO (LECA) 115KV LINE	10/09/2024 23:34:14	10/09/2024 23:34:24	0	0
113710	DEF	DEF Central	TIGER BAY (TIGR) - FORT MEADE (FTMD) 230KV TBFM LINE	10/09/2024 23:32:03	10/10/2024 22:31:15	1379	0
113712	DEF	DEF North	DALLAS (DALS) - SILVER SPRINGS SHORES (SVSS) 69KV LINE	10/09/2024 23:31:16	10/09/2024 23:31:24	0	0
113714	DEF	DEF North	CENTRAL FLORIDA (CFLA) - ORANGE BLOSSOM (OBLS) 69KV LINE	10/09/2024 23:31:16	10/12/2024 18:46:29	4035	0
113716	DEF	DEF North	BUSHNELL EAST (BSNE) - CENTER HILL (CTRH) 69KV LINE	10/09/2024 23:25:26	10/10/2024 11:20:45	715	0
113718	DEF	DEF North	UMATILLA (UMAT) - UMATILLA POD (UMAP) 69KV LINE	10/09/2024 23:24:10	10/09/2024 23:24:20	0	0
113720	DEF	DEF North	UMATILLA (UMAT) BK1	10/09/2024 23:24:10	10/09/2024 23:24:20	0	0
113722	DEF	DEF Coastal	TRI-CITY (TRIC) 13KV BUS 3	10/09/2024 23:19:01	10/10/2024 11:23:04	724	0
113724	DEF	DEF Coastal	BROOKSVILLE (BKVL) - (TECO) UNION HALL (UHAL) 69KV LINE	10/09/2024 23:13:03	10/11/2024 14:57:00	2383	0
113726	DEF	DEF Coastal	CRYSTAL RIVER SOUTH (CRSO) - LECANTO (LECA) 115KV LINE	10/10/2024 00:17:32	10/10/2024 00:17:40	0	0
113728	DEF	DEF Central	PLYMOUTH SOUTH (PLYS) BK2	10/10/2024 00:12:00	10/10/2024 11:55:03	703	0
113730	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	10/10/2024 00:09:30	10/10/2024 10:17:04	607	0
113732	DEF	DEF North	DALLAS (DALS) - SILVER SPRINGS SHORES (SVSS) 69KV LINE	10/10/2024 00:03:19	10/10/2024 00:03:28	0	0
113734	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - VANDOLAH (VAND) 69KV CIRCUIT 2	10/09/2024 20:27:16	10/09/2024 21:36:03	68	0
113736	DEF	DEF Central	GRIFFIN (GRIF) - HIGGINS (HIGG) 115KV HG LINE	10/10/2024 00:38:14	10/12/2024 14:03:38	3685	0
113740	DEF	DEF Coastal	MORGAN ROAD (MGRD) - (TECO) CABBAGE HILL (CABH) 69KV MRCH LINE	10/10/2024 00:20:40	10/10/2024 14:38:59	858	0
113742	DEF	DEF Coastal	IDYLWILD (IDYW) - WILLISTON (WLST) 69KV IW LINE	10/10/2024 00:36:59	10/10/2024 11:32:35	655	0
113744	DEF	DEF Central	CLERMONT EAST (CMTE) - LAKE LOUISA (LLOU) 69KV LINE	10/10/2024 00:58:14	10/10/2024 00:58:22	0	0
113746	DEF	DEF Central	DUNDEE (DUND) BK2	10/10/2024 00:54:02	10/10/2024 15:08:51	854	0
113748	DEF	DEF Central	VANDOLAH (VAND) - (FPL) WIDDEN (WDDN) 230KV LINE	10/10/2024 01:20:25	10/10/2024 01:20:26	0	0
113750	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	10/10/2024 01:01:38	10/10/2024 10:17:04	555	0
113752	DEF	DEF Central	PIEDMONT (PIED) 13KV BUS 1	10/09/2024 23:55:12	10/10/2024 15:42:11	946	0
113754	DEF	DEF Coastal	TRI-CITY (TRIC) BK2	10/10/2024 05:45:39	10/10/2024 05:45:40	0	0
113756	DEF	DEF Central	FLORIDA GAS TRANSMISSION EAST (FGTE) - WEWAHOOTEE (WWHO) 69KV LINE	10/10/2024 05:08:12	10/10/2024 05:08:20	0	0
113758	DEF	DEF Central	CASSADAGA (CASA) - (NSB) SMYRA (SMYR) 115KV LINE	10/10/2024 04:58:56	10/12/2024 15:28:24	3509	0
113760	DEF	DEF Central	CASSADAGA (CASA) - (NSB) SMYRA (SMYR) 115KV LINE	10/10/2024 04:51:54	10/10/2024 04:52:24	0	0
113762	DEF	DEF Central	UCF (UCFL) - WINTER PARK EAST (WPKE) 69KV LINE	10/10/2024 04:42:38	10/10/2024 23:57:42	1155	0
113764	DEF	DEF Central	CASSADAGA (CASA) - (NSB) SMYRA (SMYR) 115KV LINE	10/10/2024 04:42:24	10/10/2024 04:42:30	0	0
113766	DEF	DEF Central	CASSADAGA (CASA) - (NSB) SMYRA (SMYR) 115KV LINE	10/10/2024 04:36:40	10/10/2024 04:37:36	0	0
113768	DEF	DEF Central	UCF (UCFL) - WINTER PARK EAST (WPKE) 69KV LINE	10/10/2024 04:32:42	10/10/2024 04:32:50	0	0
113770	DEF	DEF Central	PIEDMONT (PIED) - WEKIVA (WKVA) 230KV LINE	10/10/2024 04:20:49	10/10/2024 11:53:27	452	0
113772	DEF	DEF Central	CASSADAGA (CASA) - (NSB) SMYRA (SMYR) 115KV LINE	10/10/2024 04:20:28	10/10/2024 04:20:34	0	0
113774	DEF	DEF Central	CASSADAGA (CASA) - (NSB) SMYRA (SMYR) 115KV LINE	10/10/2024 04:11:20	10/10/2024 04:11:26	0	0
113776	DEF	DEF Central	ST. JOHNS POD (STJP) - (SECO) PAISLEY (PAY3) 69KV LINE	10/10/2024 04:01:27	10/12/2024 09:54:26	3232	0
113778	DEF	DEF North	UMATILLA POD (UMAP) - (SECO) PAISLEY (PAY3) 69KV LINE	10/10/2024 04:01:27	10/10/2024 10:33:30	392	0
113780	DEF	DEF Central	CASSADAGA (CASA) - (NSB) SMYRA (SMYR) 115KV LINE	10/10/2024 03:57:54	10/10/2024 03:57:58	0	0
113782	DEF	DEF Central	PIEDMONT (PIED) BK1	10/10/2024 03:53:00	10/10/2024 12:09:00	496	0
113784	DEF	DEF Central	PIEDMONT (PIED) - WEKIVA (WKVA) 230KV LINE	10/10/2024 03:53:00	10/10/2024 11:53:27	480	0
113786	DEF	DEF Central	PIEDMONT (PIED) - WOODSMERE (WOOD) 230KV LINE	10/10/2024 03:53:00	10/10/2024 11:53:27	480	0
113788	DEF	DEF Central	CASSADAGA (CASA) - (NSB) SMYRA (SMYR) 115KV LINE	10/10/2024 03:50:58	10/10/2024 03:51:04	0	0
113790	DEF	DEF Central	DELTONA (DTNA) - DELTONA EAST (DTNE) 115KV LINE	10/10/2024 03:49:08	10/13/2024 13:23:15	4894	0
113792	DEF	DEF Central	DELAND WEST (DELW) - SILVER SPRINGS (SVSP) 230KV LINE	10/10/2024 03:46:20	10/11/2024 22:36:43	2570	0
113794	DEF	DEF Central	DELAND WEST (DELW) - SILVER SPRINGS (SVSP) 230KV LINE	10/10/2024 03:44:36	10/10/2024 03:44:44	0	0
113796	DEF	DEF Central	CLERMONT EAST (CMTE) - LAKE LOUISA (LLOU) 69KV LINE	10/10/2024 03:25:24	10/10/2024 03:25:36	0	0
113798	DEF	DEF Central	DELAND (DELD) - DELAND WEST (DELW) 69KV LINE	10/10/2024 03:11:11	10/11/2024 15:36:08	2184	0
113800	DEF	DEF Central	AVALON (AVLN) - LAKE LUNTZ (LUNZ) 69KV LINE	10/10/2024 03:08:30	10/10/2024 03:08:36	0	0
113802	DEF	DEF Central	DELTONA (DTNA) - DELTONA EAST (DTNE) 115KV LINE	10/10/2024 03:06:48	10/10/2024 03:07:15	0	0
113804	DEF	DEF North	UMATILLA (UMAT) - UMATILLA POD (UMAP) 69KV LINE	10/10/2024 02:45:58	10/10/2024 10:33:30	467	0

113806	DEF	DEF North	UMATILLA (UMAT) - UMATILLA POD (UMAP) 69KV LINE	10/10/2024 02:45:02	10/10/2024 02:45:16	0	0
113808	DEF	DEF Central	DELTONA (DTNA) - DELTONA EAST (DTNE) 115KV LINE	10/10/2024 02:20:20	10/10/2024 02:20:28	0	0
113810	DEF	DEF Central	DEBARY (DBRY) - ORANGE CITY (ORNC) 230KV CIRCUIT 1	10/10/2024 02:19:40	10/10/2024 02:19:48	0	0
113812	DEF	DEF Central	DELTONA (DTNA) - DELTONA EAST (DTNE) 115KV LINE	10/10/2024 02:16:56	10/10/2024 02:17:23	0	0
113814	DEF	DEF Central	SOUTH POLK (SOPK) BK1	10/10/2024 01:53:48	10/10/2024 08:54:37	420	0
113816	DEF	DEF Central	BARCOLA (BARC) - (TECO) PEBBLEDALE (PBBL) 230KV LINE	10/10/2024 00:27:06	10/12/2024 21:56:12	4169	0
113818	DEF	DEF Central	FLORIDA GAS TRANSMISSION EAST (FGTE) - WEWAHOOTEE (WWHO) 69KV LINE	10/10/2024 05:57:52	10/10/2024 05:58:04	0	0
113822	DEF	DEF Central	FLORIDA GAS TRANSMISSION EAST (FGTE) - WEWAHOOTEE (WWHO) 69KV LINE	10/10/2024 07:14:28	10/11/2024 23:14:37	2400	0
113824	DEF	DEF North	DALLAS (DALS) - SILVER SPRINGS SHORES (SVSS) 69KV LINE	10/10/2024 08:19:49	10/12/2024 19:17:20	3537	0
113830	DEF	DEF Coastal	TRI-CITY (TRIC) BK2	10/10/2024 09:49:05	10/10/2024 12:24:21	155	0
113834	DEF	DEF Coastal	RAINBOW SPRINGS (RNBS) BK2	10/10/2024 11:55:04	10/10/2024 12:37:46	42	0
113840	DEF	DEF Coastal	BROOKRIDGE (BKRG) - TWIN COUNTY RANCH (TWCO) 115KV LINE	10/10/2024 13:29:37	10/10/2024 13:56:33	26	0
113848	DEF	DEF Central	AVON PARK (AVPK) - WAUCHULA POD (WACP) 69KV APW LINE	10/10/2024 10:36:54	10/10/2024 14:04:31	207	0
113850	DEF	DEF Central	AVON PARK (AVPK) - SUN N LAKES (SUNL) 69KV LINE	10/09/2024 21:53:54	10/10/2024 14:47:07	1013	0
113852	DEF	DEF Coastal	BARTOW (BART) - NORTHEAST (NOEA) 230KV BNUG8 CABLE 8	10/10/2024 15:21:47	10/10/2024 15:23:19	1	0
113862	DEF	DEF Central	DINNER LAKE (DNRL) - SUN N LAKES (SUNL) 69KV LINE	10/10/2024 00:54:23	10/10/2024 20:20:57	1166	0
113864	DEF	DEF Coastal	STARKEY ROAD (STAR) 13KV BUS 1	10/10/2024 16:16:34	10/10/2024 16:18:35	2	0
113866	DEF	DEF Central	FORT GREEN SPRINGS (FGNS) - FORT MEADE (FTMD) 69KV LINE	10/09/2024 21:13:07	10/11/2024 01:12:54	1679	0
113868	DEF	DEF Central	FORT MEADE (FTMD) - SAND MOUNTAIN (SMTN) 69KV LINE	10/09/2024 21:13:07	10/12/2024 18:23:37	4150	0
113870	DEF	DEF Central	FORT MEADE (FTMD) - HOMELAND (HMLD) 69KV LINE	10/09/2024 21:13:07	10/10/2024 17:04:34	1191	0
113872	DEF	DEF Central	BARCOLA (BARC) - FORT MEADE (FTMD) 69KV LINE	10/09/2024 21:13:07	10/10/2024 17:05:10	1192	0
113874	DEF	DEF Central	PIEDMONT (PIED) - WELCH ROAD (WLCH) 230KV LINE	10/10/2024 03:52:06	10/10/2024 15:51:34	719	0
113876	DEF	DEF Central	FISHEATING CREEK (FISH) - SUN N LAKES (SUNL) 69KV LINE	10/10/2024 00:52:00	10/10/2024 22:14:08	1282	0
113878	DEF	DEF Coastal	STARKEY ROAD (STAR) 13KV BUS 1	10/11/2024 02:40:10	10/11/2024 02:40:11	0	0
113880	DEF	DEF Central	TIGER BAY (TIGR) - FORT MEADE (FTMD) 230KV TBFM LINE	10/11/2024 00:03:54	10/11/2024 04:18:01	254	0
113882	DEF	DEF Central	HINES (HINE) - TIGER BAY (TIGR) 230KV HETB LINE	10/10/2024 23:20:45	10/11/2024 04:18:01	297	0
113884	DEF	DEF Central	VANDOLAH (VAND) - WAUCHULA POD (WACP) 69KV VW LINE	10/10/2024 23:07:39	10/11/2024 16:37:00	1049	0
113886	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N360 NUTRIEN FEEDER 25KV (N360 LINE)	10/10/2024 22:56:50	10/11/2024 08:55:52	599	0
113888	DEF	DEF Central	AVON PARK (AVPK) - FISHEATING CREEK (FISH) 230KV LINE	10/09/2024 22:48:25	10/10/2024 22:00:14	1391	0
113890	DEF	DEF Coastal	DISSTON (DISS) - STARKEY ROAD (STAR) 69KV LINE	10/09/2024 21:18:47	10/12/2024 10:41:58	3683	0
113892	DEF	DEF Coastal	ANCLOTE (ANCL) G2	10/11/2024 05:28:44	10/11/2024 05:28:45	0	0
113898	DEF	DEF Central	AVON PARK (AVPK) - SINGLETARY SWITCHING STATION (SGTY) 230KV LINE	10/11/2024 11:16:14	10/11/2024 11:17:22	1	0
113900	DEF	DEF Coastal	TRI-CITY (TRIC) BK2	10/11/2024 10:29:28	10/17/2024 14:55:36	8906	0
113902	DEF	DEF Coastal	TRI-CITY (TRIC) 115KV BUS 2	10/11/2024 10:29:28	10/11/2024 10:29:28	0	0
113904	DEF	DEF Central	DUNDEE (DUND) BK2	10/11/2024 19:50:43	10/11/2024 20:35:37	44	0
113906	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N363 NUTRIEN FEEDER 25KV (N363 LINE)	10/12/2024 04:55:51	10/12/2024 13:43:28	527	0
113908	DEF	DEF Central	VANDOLAH (VAND) - (FPL) CHARLOTTE (CHAR) 230KV LINE	10/12/2024 08:40:26	10/12/2024 18:23:26	583	0
113928	DEF	DEF Coastal	BARTOW (BART) CT4C	10/13/2024 18:26:11	10/13/2024 18:26:12	0	0
113938	DEF	DEF Central	FORT GREEN 4 (FGN4) - F4MX MOSAIC FEEDER 25KV (F4MX LINE)	10/14/2024 10:03:50	11/08/2024 08:46:46	35922	0
113950	DEF	DEF Central	WHIDDEN CREEK 1 (WDC1) BK2	10/11/2024 01:02:48	10/14/2024 12:14:00	4991	0
113968	DEF	DEF Coastal	MAXIMO (MXMO) - BAYWAY (BYWY) 115KV LINE	10/15/2024 16:37:31	10/15/2024 16:37:36	0	0
113972	DEF	DEF Central	SKY LAKE (SKYL) - TAFT (TAFT) 69KV LINE	10/16/2024 05:21:52	10/16/2024 05:24:12	2	0
113974	DEF	DEF North	OCCIDENTAL SWIFT CREEK 2 (OSC2) - N364 NUTRIEN FEEDER 25KV (N364 LINE)	10/16/2024 05:11:42	10/16/2024 06:03:12	51	0
113976	DEF	DEF North	CRAWFORDVILLE (CRAW) BK3	10/16/2024 13:29:58	10/16/2024 14:12:36	42	1270
114000	DEF	DEF Central	EUSTIS SOUTH (EUSS) - MOUNT DORA (MTDR) 69KV LINE	10/17/2024 16:40:45	10/17/2024 16:40:51	0	0
114004	DEF	DEF Central	DRY PRAIRIE (DRPR) - DPMX3 MOSAIC FEEDER 69KV (DPMX3 LINE)	10/18/2024 13:40:46	10/18/2024 16:42:00	181	0
114014	DEF	DEF Central	TAFT (TAFT) 13KV BUS 2	10/20/2024 15:15:01	10/20/2024 16:42:09	87	0
114022	DEF	DEF Central	HINES (HINE) ST4S	10/21/2024 05:24:23	10/21/2024 05:24:24	0	0
114024	DEF	DEF Central	HINES (HINE) CT4B	10/21/2024 05:19:19	10/21/2024 05:19:20	0	0
114026	DEF	DEF North	OCCIDENTAL 1 (OC1L) - N362 NUTRIEN FEEDER 25KV (N362 LINE)	10/20/2024 21:29:15	10/20/2024 22:24:53	55	0
114158	DEF	DEF Central	INTERCESSION CITY (ICTY) - INTERCESSION CITY P11 + P13 (ICTY) 230KV LINE	10/30/2024 11:42:34	10/30/2024 15:12:34	210	0
115190	DEF	DEF North	DALLAS AIRPORT	10/18/2024 17:40:00	10/18/2024 20:59:00	199	0

GRID CUSTOMERS	INITIATING CAUSE CATEGORY	INITIATING CAUSE	SUSTAINED CAUSE CATEGORY	SUSTAINED CAUSE	RETAIL CMI	GRID CMI
	0 Unknown	Unknown, but not Lightning.	Unknown	Unknown	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Line Equipment	Insulator (Line, Porcelain)	Line Equipment	Insulator (Line, Porcelain)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Lightning	Lightning,Correlated in lightning detection systm)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Line Equipment	Static Wire (OHGW)	0	0
	5,692 Animal	Bird Nest	Animal	Bird Nest	192,765	192,765
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Line Equipment	Static Wire (OHGW)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Line Equipment	Conductor (Line)	0	0
	0 Load Related	RTCA Violation Mitigation	Breaker Equipment	Operating Mechanism	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Human Error	Maintenance Personnel (Generation)	Human Error	Maintenance Personnel (Generation)	0	0
	3,386 Lightning	Lightning,Correlated in lightning detection systm)	Line Equipment	Static Wire (OHGW)	102,412	102,412
	0 Unknown	Unknown	Unknown	Under Investigation (Unknown)	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Line Equipment	Conductor (Line)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Weather/Environment	Lightning Suspected, yet not correlated	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Lightning	Lightning,Correlated in lightning detection systm)	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Line Equipment	Conductor (Line)	0	0
	0 Unknown	Unknown	Relay and Control Systems	Transfer Trip Equipment	0	0
	0 Unknown	Unknown	Unknown	Unknown, after Patrol	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Unknown	Unknown, after Patrol	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Weather/Environment	Lightning Suspected, yet not correlated	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Line Equipment	Static Wire (OHGW)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Lightning	Lightning,Correlated in lightning detection systm)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	7,902 Lightning	Lightning,Correlated in lightning detection systm)	Transformer Equipment	Under Investigation (Transformer?)	3,095,313	3,095,313
	2,377 Miscellaneous	Distribution System Equipment	Breaker Equipment	Operating Mechanism	36,762	36,762
	0 Weather/Environment	Hurricane	Other	Other	0	0

	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	9,051 Weather/Environment	Hurricane	Breaker Equipment	Interrupters	1,494,260	1,494,260
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	3,048 Weather/Environment	Hurricane	Line Equipment	Crossarm	180,703	1,642,111
	2,912 Weather/Environment	Hurricane	Unknown	Unknown	789,152	789,152
	3,651 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Porcelain)	0	8,092,076
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	4,692 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	1,117,713
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	9,092 Weather/Environment	Hurricane	Weather/Environment	Hurricane	1,563,408	8,742,442
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	3,005 Weather/Environment	Hurricane	Vegetation	Tree Limbs blown from Outside ROW	2,801,801	3,567,314
	926 Weather/Environment	Hurricane	Line Equipment	Crossarm	0	2,034,067
	9,640 Weather/Environment	Hurricane	Line Equipment	Conductor (Line)	0	3,679,796
	0 Weather/Environment	Hurricane	Other	Other	0	0
	4,139 Weather/Environment	Hurricane	Other	Other	0	4,100,872
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	2,029 Weather/Environment	Hurricane	Vegetation	Tree Falling from Outside ROW	0	2,099,402
	0 Weather/Environment	Hurricane	Other	Other	0	0
	3,305 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	1,619,064
	4,655 Weather/Environment	Hurricane	Vegetation	Tree Falling from Outside ROW	0	2,158,136
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	2,795 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	5,107,956
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Relay and Control Systems	Relay Failure/Misoperation	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	1,729 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	688,718
	10,444 Weather/Environment	Hurricane	Vegetation	Tree Falling from Outside ROW	0	50,653
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	O&M (Planned or Scheduled)	Work on Damaged Equipment	0	0
	4,746 Lightning	Lightning,Correlated in lightning detection systm)	Line Equipment	Static Wire (OHGW)	411,418	411,418
	3,197 Weather/Environment	Hurricane	Breaker Equipment	Interrupters	896,816	896,816
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Polymer)	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Polymer)	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0

0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	No Reclose by Design or Policy	0	0
0 Weather/Environment	Hurricane	Other	No Reclose by Design or Policy	0	0
0 Weather/Environment	Hurricane	Animal	Bird Nest	0	0
0 Weather/Environment	Hurricane	Other	No Reclose by Design or Policy	0	0
0 Weather/Environment	Hurricane	Line Equipment	Static Wire (OHGW)	0	0
0 Weather/Environment	Hurricane	O&M (Planned or Scheduled)	Customer Request	0	0
0 Weather/Environment	Hurricane	Animal	Bird Nest	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	No Reclose by Design or Policy	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Line Equipment	Conductor (Line)	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Line Equipment	Conductor (Line)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Vegetation	Tree Falling from Outside ROW	0	0
0 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Polymer)	0	0
0 Weather/Environment	Hurricane	Other	No Reclose by Design or Policy	0	0
0 Weather/Environment	Hurricane	Line Equipment	Conductor (Line)	0	0
0 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Porcelain)	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Line Equipment	Conductor (Line)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Porcelain)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Vegetation	Tree Falling from Outside ROW	0	0
0 Weather/Environment	Hurricane	Breaker Equipment	Bushings (Breaker)	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Vegetation	Tree Falling from Outside ROW	0	0
0 Weather/Environment	Hurricane	Breaker Equipment	Bushings (Breaker)	0	0
0 Weather/Environment	Hurricane	Breaker Equipment	Bushings (Breaker)	0	0
0 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Porcelain)	0	0
0 Weather/Environment	Hurricane	Vegetation	Tree Falling from Outside ROW	0	0

	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Conductor (Line)	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Static Wire (OHGW)	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Structure (Wood)	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Conductor (Line)	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Crossarm	0	0
	0 Weather/Environment	Hurricane	Vegetation	Tree Falling from Outside ROW	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Porcelain)	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Structure (Wood)	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Conductor (Line)	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Structure (Wood)	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Structure (Wood)	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Crossarm	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Breaker Equipment	Trip Coil	0	0
	0 Weather/Environment	Hurricane	Breaker Equipment	Trip Coil	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Static Wire (OHGW)	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	2,116 Lightning	Lightning,Correlated in lightning detection systm)	Other	No Reclose by Design or Policy	0	2,257
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Relay and Control Systems	Voltage Transformer Failure (PT, CCPD, CCVT, etc.)	Relay and Control Systems	Voltage Transformer Failure (PT, CCPD, CCVT, etc.)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Breaker Equipment	Failed to Reclose	0	0
	0 Lightning	Lightning,Correlated in lightning detection systm)	Other	Other	0	0
	2,535 Animal	Raccoon	Transformer Equipment	Arrestor (Transformer)	98,892	98,892
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Other	Other	0	0
	0 Generating Unit	Aux Equipment (Generator)	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Generating Unit	Under Investigation (Generating Unit?)	Other	Other	0	0

0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Line Equipment	Static Wire (OHGW)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Porcelain)	0	0
0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Line Equipment	Static Wire (OHGW)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Weather/Environment	Hurricane	Transformer Equipment	Bushing (Transformer)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Line Equipment	Static Wire (OHGW)	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Line Equipment	Static Wire (OHGW)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Line Equipment	Conductor (Line)	0	0
0 Weather/Environment	Hurricane	Line Equipment	Structure (Wood)	0	0
0 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Porcelain)	0	0
0 Weather/Environment	Hurricane	Line Equipment	Structure (Wood)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Polymer)	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Line Equipment	Conductor (Line)	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0

0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Porcelain)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Line Equipment	Static Wire (OHGW)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Line Equipment	Insulator (Line, Porcelain)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
0 Weather/Environment	Hurricane	Switch Equipment/Malfunction	Disconnect	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Vegetation	Tree/Tree Limbs Touching or Falling	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Vegetation	Tree/Tree Limbs Touching or Falling	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Other	Other	0	0
0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0

	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Static Wire (OHGW)	0	0
	0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Structure (Steel)	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Switch Equipment/Malfunction	Gang Switch/Disconnect	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Vegetation	Tree Falling from Outside ROW	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	O&M (Planned or Scheduled)	Return to Normal	0	0
	0 Weather/Environment	Hurricane	Load Related	Load Shed	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Static Wire (OHGW)	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Load Related	Load Shed	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Relay and Control Systems	Fiber Optic Channel Failure	0	0
	0 Weather/Environment	Hurricane	Relay and Control Systems	Fiber Optic Channel Failure	0	0
	0 Weather/Environment	Hurricane	Line Equipment	Structure (Wood)	0	0
	0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Vegetation	Tree Falling from Outside ROW	0	0
	0 Weather/Environment	Hurricane	Generating Unit	Aux Equipment (Generator)	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Switch Equipment/Malfunction	Gang Switch/Disconnect	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Weather/Environment	Hurricane	Switch Equipment/Malfunction	Disconnect	0	0
	0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Hurricane	Generating Unit	Aux Equipment (Generator)	0	0
	0 Weather/Environment	Hurricane	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Weather/Environment	Hurricane	Weather/Environment	Hurricane	0	0
	0 Weather/Environment	Hurricane	Other	Other	0	0
	0 Public Interference	Construction Vehicle/ Farm Equip (Except Crane)	Public Interference	Construction Vehicle/ Farm Equip (Except Crane)	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	1,270 Animal	Bird	Animal	Bird	21,590	21,590
	0 Unknown	Unknown, after Patrol	Other	Other	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 Relay and Control Systems	Relay Failure/Misoperation	Relay and Control Systems	Relay Failure/Misoperation	0	0
	0 Generating Unit	Generator	Generating Unit	Generator	0	0
	0 Generating Unit	Generator	Generating Unit	Generator	0	0
	0 Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	Customer / Other Util Equip Problems	Customer's Line Equipment (Non-Duke)	0	0
	0 O&M (Planned or Scheduled)	Preventive Maintenance Activity	O&M (Planned or Scheduled)	Preventive Maintenance Activity	0	0
	2,359 Line Equipment	Static Wire (OHGW)	Line Equipment	Static Wire (OHGW)	0	182,363

ATTACHMENT C & C1



Summary of Severe Weather Dates

2024

- a. Include in the discussion, the type of weather event, strength (wind speeds/surge-flood levels), locations affected, source of meteorological information, and the performance of overhead and underground systems.

Dates	Type of Weather Event	Strength (Wind Speeds/surge-flood levels)	Locations affected	Source of Metrological Information	Performance of Overhead and Underground Systems
1/9/2024 0:00 AM to 1/9/2024 23:59 PM	EOC Activation	N/A	All Ops Centers	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
2/4/2024 13:00 PM to 2/4/2024 13:59 PM	Tornado	Unknown Wind Speed	Monticello	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
5/10/2024 06:00 AM to 5/10/2024 11:59 AM	Tornado	Unknown Wind Speed	Monticello	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
6/6/2024 - 18:00 PM to 6/6/2024 20:59 PM	Tornado	Unknown Wind Speed	Apopka	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
6/16/2024 - 17:00 PM to 6/16/2024 - 17:59 PM	Tornado	Unknown Wind Speed	Inverness	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
8/4/2024 - 06:00 AM to 8/7/2024 - 23:59 PM	Hurricane Debby	45 mph to 70 mph	All Ops Centers	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
8/28/2024 - 16:00 PM to 8/28/2024 - 20:59 PM	Tornado	Unknown Wind Speed	Seven Springs	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
9/25/2024 - 18:00 PM to 10/1/2024 23:59 PM	Hurricane Helene	135 mph	Apopka Buena Vista Clermont Deland Highlands Inverness Jamestown Lake Wales Longwood Monticello Ocala SE Orlando Seven Springs Winter Garden Zephyrhills	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
9/25/2024 - 18:00 PM to 10/5/2024 23:59 PM	Hurricane Helene	135 mph	Clearwater St. Petersburg Walsingham	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
10/9/2024 - 07:00 AM to 10/16/2024 20:59 PM	Hurricane Milton	120 mph	All Ops Centers	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report

b. Describe the Company's efforts to avoid or minimize in terms of costs incurred and outage duration any similar events in the future (Example: Reference specific storm hardening activity.)

Should be SPP Docket
number 20220050

Item b: Please see response to Storm Hardening Facilities (I).

c. If the method of deriving the weather exclusion is different from the method used for 2023, please explain the changes and provide the CMI and C for 2024 using the prior method.

c. The exclusion method used is the same since 2016.

d. (Appendix) Provide the 2024 service reliability data for each extreme weather outage event that is excluded from your Company's 2024 Annual Distribution Reliability Report pursuant to Rule 25-6.0455

- i. A Table
- ii. Electronic File
- iii. Overhead and Underground statistics & forensics. (C, CMI, CI, L-Bar, repair cost, etc.)

Dates	Overhead vs. Underground	C	CMI	CI	Duration	L-Bar	N
1/9/2024 0:00 AM to 1/9/2024 23:59 PM	OH	2,016,207	4,833,329	55,496	128,245	227.4	564
	UG		25,178	280	8,342	166.8	50
2/4/2024 13:00 PM to 2/4/2024 13:59 PM	OH	60,057	9,458	41	2,063	412.6	5
	UG		-	-	-	-	-
5/10/2024 06:00 AM to 5/10/2024 11:59 AM	OH	60,057	6,322,049	14,499	139,585	856.3	163
	UG		2,118	3	2,118	706.0	3
6/6/2024 - 18:00 PM to 6/6/2024 20:59 PM	OH	113,591	165,446	844	2,246	320.9	7
	UG		22,786	70	926	308.5	3
6/16/2024 - 17:00 PM to 6/16/2024 - 17:59 PM	OH	86,402	458	4	193	96.4	2
	UG		-	-	-	-	-
8/4/2024 - 06:00 AM to 8/7/2024 - 23:59 PM	OH	2,016,207	141,197,346	252,700	3,196,635	938.0	3,408
	UG		1,371,151	3,738	186,546	563.6	331
8/28/2024 - 16:00 PM to 8/28/2024 - 20:59 PM	OH	205,215	171,499	1,607	5,994	239.7	25
	UG		13,148	48	1,121	280.2	4
9/25/2024 - 18:00 PM to 10/1/2024 23:59 PM	OH	1,529,888	361,886,727	336,206	6,877,027	1,449.6	4,744
	UG		2,538,621	2,964	465,984	935.7	498
9/25/2024 - 18:00 PM to 10/5/2024 23:59 PM	OH	486,319	504,967,981	296,934	9,398,140	2,542.1	3,697
	UG		44,268,232	15,107	1,746,309	2,925.1	597
10/9/2024 - 07:00 AM to 10/16/2024 20:59 PM	OH	2,016,207	3,114,223,293	1,249,445	44,402,119	3,019.7	14,704
	UG		63,346,185	28,818	4,244,832	2,021.3	2,100

ATTACHMENT C2

Actual Data: Customer Minutes of Interruption (CMI), Customer Interruptions (CI) and Documented Exclusions

Year 2024	Customer minutes of Interruption (CMI)		Customer Interruptions (CI)	
	Value	% of Actual	Value	% of Actual
Reported Actual Data	4,415,632,466	100%	4,353,885	100%
Documented Exclusions				
Planned Service Interruptions	16,620,331	0.38%	251,831	5.78%
Named Storm	4,233,799,536	95.88%	2,185,912	50.21%
Tornadoes	6,706,962	0.15%	17,116	6,706,962
Ice on Lines	0	0.00%	0	0.00%
Planned Load Management Events	0	0.00%	0	0.00%
Generation/Transmission Events	12,676,647	0.29%	163,920	12,676,647
Extreme Weather (EOC Activation/Fire)	4,858,507	0.11%	55,776	1.28%
Reported Adjusted Data	140,970,483	3.19%	1,679,330	38.57%

ATTACHMENT D

CAUSES OF OUTAGE EVENTS – ADJUSTED															
Utility Name: Duke Energy Florida Years: 2020 to 2024															
	2024			2023			2022			2021			2020		
Cause (a)	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
1. Animals	3,041	91.4	68.9	3,893	91.0	58.5	4,231	82.5	65.0	5,347	80.6	69.5	3,882	82.1	68.8
2. Vegetation	7,810	177.5	99.9	7,795	165.6	104.5	8,552	161.0	107.7	7,790	153.9	107.9	9,291	160.3	110.9
3. Lightning	2,898	164.1	110.6	2,814	168.7	91.6	1,787	146.2	94.4	1,126	151.4	109.7	994	157.0	97.4
4. Other Weather	1,611	267.1	94.6	2,198	167.5	77.5	4,855	150.5	101.8	4,060	140.2	103.9	5,826	159.3	109.7
5. Vehicle	343	240.1	105.4	308	259.8	118.4	367	258.0	105.5	460	241.4	96.8	509	245.1	111.6
6. Defective Equipment	11,253	226.2	81.6	11,040	181.9	80.1	11,914	162.3	81.7	11,449	146.1	82.6	11,973	146.4	82.4
7. Unknown	10,501	178.2	69.3	7,997	130.4	63.4	1,543	136.7	58.0	688	95.3	52.0	556	87.7	69.0
Subtotal	37,457	188.7	88.1												
All other Causes	1,877	284.4	65.5	1,950	231.6	67.7	7,021	186.2	96.2	7,199	176.3	74.7	7,170	181.0	71.4
System Totals	39,334	193.3	83.9	37,995	159.8	82.3	40,270	155.5	91.7	38,119	143.9	89.2	40,201	152.1	93.5

ATTACHMENT E



2025 PROGRAM BUDGET

CAPITAL													
	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Annual
956 - DEF Fuse Replacement	29,405	30,236	30,995	32,616	33,352	33,976	33,106	32,628	30,161	29,271	28,342	4,953	349,040
ATS - ATS Replace	59,010	58,602	57,764	57,748	58,467	57,512	57,454	58,420	57,604	59,393	58,561	58,796	699,332
CBLDT - UG Cable Repl DT	110,183	108,469	111,518	116,311	122,102	127,240	136,863	151,936	152,862	162,082	167,587	173,428	1,640,582
CMCDT - Corr Maint Cap DT	21,615	21,208	22,164	23,478	24,836	26,498	29,138	33,116	33,490	35,630	37,375	38,938	347,485
CMCEDT - Corr Maint Cap Emerg DT	3,206	3,168	3,138	3,152	3,659	3,174	3,202	3,299	3,259	3,828	3,347	3,373	39,805
CMCEOH - Corr Maint Cap Emerg OH	168,856	167,121	165,126	165,485	186,535	165,572	166,172	170,010	167,760	191,986	171,215	172,124	2,057,962
CMCEUG - Corr Maint Cap Emerg UG	150,443	148,795	148,817	150,984	160,767	154,776	158,917	166,544	165,835	178,755	173,056	175,743	1,933,433
CMCOH - OH Replace (Other - Planned)	19,362	19,133	19,060	19,277	21,742	19,825	20,281	21,350	21,149	24,059	22,176	22,529	249,944
CMCOWP - Corr Maint Cap OH Wire Pri	2,317	2,284	2,295	2,341	2,712	2,458	2,554	2,743	2,728	3,157	2,908	2,974	31,472
CMCOWS - Corr Maint Cap OH Wire Sec Svc	18,902	18,630	18,816	19,293	21,726	20,445	21,425	23,185	23,130	26,071	24,833	25,472	261,928
CMCUG - Corr Maint Cap UG Oth	97,613	96,508	94,787	94,507	114,129	94,448	94,091	96,277	94,373	115,947	96,351	96,705	1,185,736
DAIDR - Distribution Automation Rplc	3,770	3,747	3,690	3,684	3,650	3,655	3,641	3,686	3,633	3,665	3,678	3,687	44,186
DLS - OH Line Switch Repl	26,377	26,101	25,875	26,034	28,857	26,441	26,783	27,837	27,503	30,885	28,514	28,838	330,045
GENSWGR - Switchgear Replacement	288,145	286,334	282,514	283,032	288,777	282,739	282,514	287,359	282,925	293,111	287,055	287,985	3,432,491
GNSWLF - Livefront Switchgear Replaceme	304,410	302,129	297,639	297,422	308,942	296,289	295,821	300,982	296,527	313,627	301,557	302,722	3,618,065
HYDR - Recloser Repl Hydraulic	149,528	148,421	146,647	146,974	149,195	147,246	147,839	151,303	149,421	154,461	152,835	153,843	1,797,713
MHR - Manhole Lid Retrofit	45,404	44,650	46,192	48,464	50,669	53,644	58,202	65,198	65,741	69,440	72,579	75,312	695,494
MHV - Manhole Vault Rebuild Replace	16,215	15,946	16,497	17,308	18,096	19,159	20,786	23,285	23,479	24,800	25,921	26,897	248,391
NANC - NAN Replacements	28,881	28,689	28,232	28,175	28,563	27,948	27,823	28,167	27,741	28,638	28,083	28,144	339,083
NEWPOL - Foreign Pole Acquired by Duke	6,681	6,577	6,758	7,047	7,451	7,707	8,286	9,197	9,250	9,862	10,139	10,490	99,444
POLCM - Pole Replacement Reactive	671,769	661,425	679,102	707,393	744,727	771,980	828,810	918,353	923,457	981,463	1,010,909	1,045,518	9,944,906
POLOVL - Pole Replace Overloaded Pole	35,202	34,632	35,527	36,984	40,186	40,371	43,313	48,022	48,247	52,542	52,834	54,635	522,494
RCR - Capacitor Replacement	410,898	407,569	403,131	404,501	420,422	406,761	409,450	420,788	415,696	439,586	426,773	430,217	4,995,792
RGR - Regulator Replacement	262,803	260,992	257,348	257,367	259,783	256,486	256,395	260,889	257,321	264,515	261,776	262,912	3,118,587
RIR - Inf Scan Insp Replace FUP	4,791	4,734	4,714	4,766	5,398	4,899	5,009	5,271	5,220	5,962	5,471	5,557	61,794
RNET - Network Sec Main Replace	145,380	143,650	145,360	149,258	152,624	157,858	165,631	178,704	178,740	185,883	191,544	196,506	1,991,138
RRR - Recloser Electronic Replace	558,718	555,797	548,911	550,817	554,347	550,915	550,547	559,380	550,531	561,450	557,219	558,636	6,657,267
RSC - OH Stolen Conductor Replace	264	261	266	276	290	299	319	351	352	374	382	395	3,828
RTP1PH - Pad Transf 1PH Oil Leak Rplc	237,868	234,388	240,218	249,769	259,074	271,366	290,502	320,684	322,335	338,773	351,849	363,535	3,480,362
RTP3PH - Pad Transf 3PH Oil Leak Rplc	196,616	194,802	194,270	196,571	201,297	201,329	205,884	215,562	214,051	223,029	223,539	226,967	2,493,916
RTR1PH - Pad Transf 1PH Non Leak Rplc	79,557	78,811	78,367	79,071	82,755	80,571	81,987	85,432	84,654	90,022	88,012	89,171	998,410
RTR3PH - Pad Transf 3PH Non Leak Rplc	126,537	125,679	123,889	123,860	124,779	123,334	123,210	125,252	123,520	126,727	125,550	126,051	1,498,388
RTXO - Transf OH Repl	46,139	45,644	45,646	46,328	49,013	47,855	49,231	51,999	51,680	55,427	54,376	55,357	598,695
RUCLG - UG Lg Cable Pri only Replace	356,177	351,475	356,684	367,346	386,025	391,507	412,923	448,663	449,101	477,489	483,996	497,523	4,978,909
RUCSEC - UG Cable Repl Sec Svc	1,556,708	1,531,023	1,584,619	1,662,765	1,740,155	1,841,210	1,998,048	2,238,166	2,257,336	2,385,444	2,491,989	2,585,863	23,873,327
RUCSM - UG Sm Cable Pri only Replace	1,818,357	1,790,717	1,840,842	1,919,188	2,003,602	2,097,416	2,254,591	2,499,996	2,515,604	2,655,604	2,755,439	2,850,708	27,002,064
VNPTRR - Vault Netwk Prot & Transf Rplc	43,288	42,823	42,128	42,067	49,275	42,118	42,066	43,107	42,329	50,397	43,288	43,495	526,382
WCUGS - UG Congested Structures	21,625	22,785	23,662	26,230	27,328	28,800	28,496	27,757	25,716	23,359	22,121	20,797	298,678
RIOTC - Outage Invest Improv Cap	670,132	658,083	661,427	671,092	712,734	701,917	736,517	798,405	802,183	871,918	870,505	896,322	9,051,235
516 - DEF Targeted OH/UG Conversion	13,617	13,617	14,093	14,093	14,093	14,093	14,093	14,094	14,093	14,092	14,094	14,094	168,165
HWYN - Highway Nonreimb Cap	803,319	789,371	816,897	857,220	899,906	938,795	1,018,004	1,130,053	1,143,978	1,200,975	1,259,835	1,295,193	12,153,545
HWYR - Highway Reimbursable Cap	10,013	10,013	10,363	10,363	10,363	10,363	10,363	10,363	10,363	10,362	10,363	10,364	123,657
MUNIR - Muni Conversions Cap	246,117	242,824	247,290	255,412	262,262	271,192	287,003	310,463	312,297	324,405	335,496	343,848	3,438,611

DMAJDL - Major Reliability D Line Cap	13,376	13,376	13,843	13,843	13,844	13,844	13,844	13,844	13,843	13,843	13,844	13,845	165,187
DCAPINC - CAPACITY INCREASE - DIST STA	2,045,264	2,042,668	2,039,728	1,323,427	1,515,836	958,721	949,177	975,976	948,037	972,910	1,220,126	1,007,340	15,999,210
DCKTADD - CIRCUIT ADDITIONS - DIST STA	19,644	19,815	21,369	23,248	24,473	27,355	30,169	33,496	33,709	35,662	37,897	38,820	345,656
DNEWRET - New Retail Stations Dist	390,537	391,432	394,871	403,881	401,389	419,180	419,953	434,874	420,340	183,295	189,466	192,868	4,242,085
DTRTRC - DTR T Retail Capacity	(73,739)	(73,739)	2,032,624	2,155,411	2,219,406	2,393,203	2,553,005	2,797,666	2,781,605	3,960,785	4,124,860	3,156,665	28,027,751
SLRCAP - Solar Programs Capital	2,707	2,707	2,802	2,802	2,802	2,802	2,802	2,802	2,802	2,801	2,802	2,802	33,430
SPPCRCN - SPP Capacity and Connectivity	2,240,612	2,255,457	2,339,909	2,497,808	2,606,149	2,748,337	2,899,023	3,108,110	3,073,962	3,126,429	3,195,525	3,249,191	33,340,510
SPPFDHD - SPP Feeder Hardening	4,325,104	8,626,752	14,489,880	19,938,721	21,191,037	21,189,293	18,074,764	13,646,641	12,063,444	10,544,164	8,763,432	6,648,406	159,501,639
SPPFLMT - SPP UG Flood Mitigation	194,935	192,924	197,202	204,250	210,398	218,941	232,746	253,475	255,166	266,316	275,799	284,015	2,786,167
SPPLTOH - SPP Lateral Hardening Overhead	4,906,438	6,681,545	10,660,669	16,246,327	16,191,809	13,601,180	10,091,477	6,847,780	7,721,048	7,159,395	6,453,245	5,904,634	112,465,546
SPPLTUG - SPP Lateral Hardening Undrgrnd	7,456,234	7,372,449	7,672,488	8,083,974	8,455,259	8,928,824	9,745,911	10,820,431	11,035,661	11,606,578	12,107,075	12,576,984	115,861,870
SPPPLFD - SPP Pole Repl Feeder Hardening	1,269,869	1,333,339	1,406,298	1,908,417	2,183,156	2,364,697	2,408,149	2,692,499	2,769,869	2,774,401	50,804	50,819	21,212,318
SPPPLHD - SPP Pole Repl Lateral Hardenin	9,222,134	8,082,203	7,117,529	4,469,837	5,536,536	6,814,151	7,435,324	7,664,905	7,572,368	7,364,409	107,090	107,090	71,493,575
SPPPTFD - SPP Pole Treat Feeder Harden	53,070	52,116	50,719	50,215	49,792	50,113	49,414	50,760	49,145	49,902	50,223	50,242	605,711
SPPPTHD - SPP Pole Treat Lateral Harden	139,937	137,419	133,738	132,408	131,291	132,140	130,295	133,844	129,587	131,582	132,430	132,480	1,597,151
SPPSGAU - SPP Segmentation and Automatr	4,376,717	7,817,514	6,747,544	5,652,421	5,735,802	5,740,896	5,738,464	5,301,827	5,164,216	4,736,073	4,369,142	4,431,430	65,812,046
DTRDSC - DTR D System Capacity	(136,634)	(136,634)	1,107,112	1,162,633	1,202,847	1,251,236	1,350,183	1,461,548	2,245,637	2,409,763	1,712,330	1,668,502	15,298,523
SCDL - Sys Capacity D Line	456,842	504,629	523,073	488,675	473,291	418,685	436,649	464,857	450,680	455,634	462,420	436,588	5,572,022
Sum:	46,769,264	55,053,835	66,834,671	74,934,366	78,779,781	78,095,786	73,968,642	69,073,609	69,118,494	68,892,412	56,601,984	53,619,336	791,742,180
O&M													
	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Annual
ENVREM - Other Environ Remediation	20,417	20,417	20,417	20,417	22,947	20,417	20,417	20,417	20,417	20,417	22,947	20,417	250,063
FPLOM - Foreign Pole Repl OM	2,500	2,277	7,098	1,640	3,081	4,855	9,740	4,234	7,432	2,413	1,640	1,640	48,551
ATSMT - ATS Repair	6,559	8,522	39,619	18,196	31,524	14,197	15,806	13,212	5,844	19,820	22,695	17,195	213,189
AVOM - Avian Protection OM	1,512	1,512	3,034	1,815	2,675	4,294	2,419	6,135	1,512	2,277	1,512	1,512	30,209
CAPMT - Capacitor Repair	891	342	748	804	1,089	342	557	541	1,703	827	971	1,233	10,047
CBLTST - UG Cable Testing OM	495	2,232	495	495	745	11,355	11,992	495	495	745	495	495	30,534
CCEMT - Critical Environ Maint	13	13	13	13	20	13	13	13	13	20	13	13	172
CCEMTU - Critical Environ Maint UG	17,331	17,331	17,278	17,300	25,972	17,344	17,323	17,360	17,278	25,919	17,278	17,278	224,991
CCINS - Critical Cust Inspection	1,255	7,936	38,174	10,367	2,016	1,255	1,255	1,255	1,255	1,883	1,255	1,255	69,160
CCMT - Critical Cust Repair	1,232	1,232	1,231	1,231	1,842	1,232	1,232	1,232	1,231	1,840	1,231	1,231	15,998
CEINSU - Critical Environ Inspect UG	7,315	7,315	7,315	7,315	10,971	7,315	7,315	7,315	7,315	10,971	7,315	7,315	95,093
CMEDT - DTUG Emergency Repair	626	3,513	2,036	519	3,997	1,603	682	1,000	1,126	2,287	801	2,418	20,609
CMEOH - OH Emergency Repair	92,075	92,837	98,547	118,222	144,744	102,994	126,354	123,017	82,416	58,513	71,140	109,206	1,220,065
CMEUG - UG Emergency Repair	22,401	27,858	34,775	35,080	56,572	44,408	32,082	35,151	22,401	11,798	29,036	40,533	392,095
CMOH - OH Repair (Other - Planned)	2,497	2,497	2,497	2,497	3,745	2,497	2,497	2,497	2,497	3,745	2,497	2,497	32,460
CMOHW - OH Conductor Repairs	7,483	9,125	5,909	5,098	8,446	13,105	13,718	13,207	6,322	8,985	8,254	6,568	106,220
CMPCBL - UG Primary Cable Repairs	56,846	42,304	82,686	48,214	79,194	55,802	106,983	77,116	57,435	63,453	42,304	42,304	754,640
CMPUG - Padmount Equipment Painting	2,385	2,385	2,385	2,385	3,576	2,385	2,385	2,385	2,385	3,576	2,385	2,385	31,002
CMSCBL - UG Sec_Svc Cable Repairs	30,132	29,125	29,538	29,388	43,675	29,220	29,539	29,693	29,617	44,173	29,792	29,441	383,334
CMUG - UG Repairs (Other - Planned)	12,465	11,988	10,274	9,960	27,435	32,529	6,938	13,379	7,524	12,342	6,401	10,314	161,549
CVSURV - Contact Voltage Survey	2,463	2,463	2,456	2,460	3,692	2,467	2,462	2,467	2,456	3,686	2,456	2,456	31,984
FCI - Fault Currnt Indictcr Chang Out	12,648	11,550	11,968	9,386	12,413	7,275	6,714	10,781	6,788	10,107	7,622	11,023	118,274
IDROM - Dist Auto OM I Dr	10,329	11,691	11,171	7,497	10,211	11,817	5,106	8,360	11,073	7,334	13,104	13,278	120,971
IRCKTMT - Infrared Scan Insp Repair FUP	3,172	3,172	3,172	3,172	35,577	16,950	3,172	18,648	3,172	4,758	3,172	3,172	101,309
IRSINS - Infrared Scan Inspection	27,834	27,838	27,746	27,783	41,707	27,855	27,816	27,876	27,746	41,624	27,746	27,746	361,318
LIPINS - OH Line Patrol Inspection	3,693	66,828	6,166	15,208	5,538	6,537	3,693	9,250	3,693	30,227	9,376	30,564	190,774
LIPMT - OH Line Patrl Inspct Repr FUP	5,114	2,311	3,107	2,370	5,444	2,595	3,343	4,752	3,502	4,345	4,663	5,379	46,925
LOADSWC - Distribution Switching	4,596	9,812	7,476	4,363	14,787	11,748	14,607	30,099	13,068	7,460	8,186	16,308	142,510

MANHMT - Manhole Repair	3,231	3,231	3,231	3,231	4,847	3,231	3,231	3,231	3,231	4,847	3,231	3,231	42,004
MANINS - Manhole Inspection	3,649	3,649	42,531	3,649	10,218	20,350	3,649	3,649	3,649	5,472	3,649	3,649	107,763
NANMT - Nan Device Repair	114	114	114	114	174	114	114	114	114	174	114	114	1,486
NETPRO - Network Protector Drop Test	92	92	92	4,603	137	92	92	92	92	137	92	92	5,705
OINVEG - Outage Investigate Imp Veg Onl	62,445	62,436	62,416	62,454	93,739	62,472	62,494	62,609	62,416	93,696	62,421	62,421	812,020
PADINS - SMEI Inspection	24,314	24,317	24,239	24,271	36,433	24,336	24,300	24,353	24,240	36,362	24,239	24,239	315,642
PADMT - SMEI Insp Repair FUP	34,767	31,430	14,337	44,752	36,642	23,733	(11,091)	16,917	16,998	25,423	17,073	17,405	268,385
POLMT - Pole Inspection Repair FUP	227,631	227,639	226,918	227,208	341,048	227,818	227,493	227,994	226,928	340,379	226,918	226,918	2,954,893
POLOM - Non-Insp Based Pole Repair	6,229	8,332	7,989	11,917	14,495	11,072	6,389	14,373	16,282	13,449	8,659	8,344	127,531
POLOV - Pole Repair Overloaded Pole	920	920	920	920	1,380	920	920	920	920	1,380	920	920	11,960
RECBAT - Recloser Battery Change out OM	3,854	3,854	3,838	3,838	5,775	3,854	3,847	3,857	3,838	5,759	3,838	3,838	49,988
RECINS - Recloser Inspection	93	1,655	157	378	138	169	93	226	93	752	235	751	4,738
RECMT - Recloser Repair	15,159	6,842	9,217	7,028	16,164	7,697	9,890	14,076	10,377	12,904	13,809	15,946	139,109
REGINS - Regulator Inspections	504	504	504	504	755	24,453	1,370	504	504	755	504	504	31,365
REGMT - Regulator Repairs	690	690	690	690	1,397	2,597	3,335	4,116	690	1,027	690	690	17,301
RIOUT - Outage Invest Improv	74,159	48,818	97,584	68,080	119,068	74,921	23,553	44,458	43,784	81,931	58,833	65,083	800,271
SPCCINS - SPCC Inspection	13,245	13,245	13,245	13,245	19,871	13,245	13,245	13,245	13,245	19,871	13,245	13,245	172,192
SPCCOM - SPCC Inspection Repair FUP	230	230	230	230	346	230	230	230	230	346	230	230	2,991
SWGINS - Switchgear UG Insp	8,982	8,982	8,953	8,963	13,455	8,989	8,974	8,996	8,953	13,429	8,953	8,953	116,584
SWGRMT - Switchgear Repair	4,437	2,256	2,998	2,998	4,504	2,998	2,998	4,730	10,146	4,536	2,998	16,179	61,780
UGTFR - Padmount Transformer Repair	14,045	10,187	21,437	19,178	16,109	12,461	8,651	10,949	15,797	18,749	14,169	9,372	171,103
VAULTI - Vault Inspection	1,699	1,699	1,699	1,699	2,548	106,585	1,699	1,699	1,699	2,548	1,699	1,699	126,972
VAULTM - Vault Repair	3,264	3,264	3,253	3,257	4,888	3,266	3,262	3,268	3,253	4,879	3,253	3,253	42,358
DPRJOMM - OM on Maintain Capital	48,541	48,541	48,541	48,541	48,541	48,541	54,551	48,541	48,541	48,541	48,541	54,551	594,516
CONSPOM - Contractor Inspect OM	5,707	5,707	5,906	5,906	5,906	5,906	5,906	5,906	5,906	5,906	5,906	5,906	70,477
PQINSE - PQ Cust Engin Inspect OM	279,947	244,987	253,408	230,231	228,638	242,802	191,508	185,460	186,121	242,690	218,769	194,424	2,698,985
DPRJOMH - OM on Highway-Mods	46,631	46,631	46,631	46,631	46,631	46,631	48,530	46,631	46,631	46,631	46,631	48,530	563,366
DPRJOMS - OM on Capacity Capital	131,293	131,293	131,293	131,293	131,293	131,293	137,696	131,293	131,293	131,293	131,293	139,976	1,590,607
SPPCRCN - SPP Capacity and Connectivity	18,752	18,752	18,752	18,752	18,752	18,752	18,752	18,752	18,752	18,752	18,752	18,752	225,027
SPPFDHD - SPP Feeder Hardening	7,122	7,122	7,122	7,122	7,122	7,122	7,122	7,122	7,122	7,122	7,122	7,122	85,460
SPPISFD - SPP Pole Insp Feeder Hardening	42,344	42,344	42,344	42,344	42,344	42,344	42,344	42,344	42,344	42,344	42,344	42,344	508,130
SPPISHD - SPP Pole Insp Lateral Hardenin	108,884	108,884	108,884	108,884	108,884	108,884	108,884	108,884	108,884	108,884	108,884	108,884	1,306,609
SPPLTOH - SPP Lateral Hardening Overhead	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	5,406	64,873
SPPLTUG - SPP Lateral Hardening Undrgrnd	51,387	51,387	51,387	51,387	51,387	51,387	51,387	51,387	51,387	51,387	51,387	51,387	616,650
SPPPLFD - SPP Pole Repl Feeder Hardening	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	1,309	15,709
SPPPLHD - SPP Pole Repl Lateral Hardenin	4,383	4,383	4,383	4,383	4,383	4,383	4,383	4,383	4,383	4,383	4,383	4,383	52,590
SPPSGAU - SPP Segmentation and Automatn	25,647	25,647	25,647	25,647	25,647	25,647	25,647	25,647	25,647	25,647	25,647	25,647	307,767
Sum:	1,637,387	1,633,207	1,774,936	1,644,239	2,074,011	1,830,417	1,578,324	1,629,557	1,498,922	1,834,645	1,532,436	1,620,872	20,288,952

Totals:	48,406,651	56,687,042	68,609,606	76,578,606	80,853,792	79,926,203	75,546,966	70,703,166	70,617,415	70,727,057	58,134,420	55,240,208	812,031,132
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Planned budget as of January, 2025

ATTACHMENT F

SYSTEM RELIABILITY INDICES – ADJUSTED																										
Utility Name: Duke Energy Florida Years: 2020 to 2024																										
	2024					2023					2022					2021					2020					
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI5 (f)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI5 (f)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI5 (f)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI5 (f)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFle (e)	CEMI5 (f)	
North Central Region	60.1	83.4	0.72	0.9	0.53%	69.4	84.1	0.83	1.6	0.50%	99.0	100.4	0.99	3.8	0.34%	81.0	97.6	0.83	5.2	0.64%	85.2	101.5	0.84	6.8	0.42%	
North Coastal Region	86.7	84.3	1.03	1.1	1.73%	87.9	84.3	1.04	1.7	2.14%	96.3	86.4	1.11	3.7	1.14%	90.0	94.6	0.95	5.4	1.10%	117.2	101.9	1.15	6.4	2.32%	
South Central Region	58.0	86.6	0.67	1.0	0.24%	72.2	88.3	0.82	2.1	0.70%	73.7	91.0	0.81	3.3	0.30%	65.2	81.4	0.80	4.4	0.28%	70.4	76.7	0.92	6.5	1.17%	
South Coastal Region	77.3	81.7	0.95	1.0	0.12%	54.2	70.4	0.77	1.5	0.17%	75.8	90.2	0.84	3.2	0.13%	67.8	84.3	0.80	3.7	0.15%	82.6	96.1	0.86	6.0	0.37%	
System Averages	69.9	83.9	0.83	1.0	0.63%	70.9	82.3	0.86	1.8	0.86%	85.2	91.7	0.93	3.5	0.46%	75.3	89.2	0.84	4.6	0.52%	87.9	93.5	0.94	6.4	1.06%	

ATTACHMENT G



2024 Summer Feeder Peaks

Load Area	NAME	BANK	FEEDER NAME	PLANNER PEAK MVA
Inverness	ADAMS	1	A200	5.1
Inverness	ADAMS	1	A199	14.2
Monticello	ALACHUA	1	A143	1.7
Monticello	ALACHUA	1	A144	1.9
Jamestown	ALAFAYA	2	W0289	8.2
Jamestown	ALAFAYA	2	W0299	8.6
Jamestown	ALAFAYA	3	W0298	11.6
Jamestown	ALAFAYA	2	W0290	11.8
Jamestown	ALAFAYA	3	W0297	13.1
Seven Springs	ALDERMAN	3	C5010	6.5
Seven Springs	ALDERMAN	1	C5001	8.1
Seven Springs	ALDERMAN	3	C5011	8.7
Seven Springs	ALDERMAN	1	C5000	11.0
Seven Springs	ALDERMAN	1	C5003	11.2
Seven Springs	ALDERMAN	2	C5013	12.1
Seven Springs	ALDERMAN	2	C5008	12.4
Seven Springs	ALDERMAN	2	C5009	12.8
Seven Springs	ALDERMAN	3	C5012	15.6
Longwood	ALTAMONTE	1	M573	4.6
Longwood	ALTAMONTE	1	M571	6.7
Longwood	ALTAMONTE	2	M575	8.0
Longwood	ALTAMONTE	1	M574	8.6
Longwood	ALTAMONTE	2	M579	12.3
Longwood	ALTAMONTE	2	M576	13.3
Longwood	ALTAMONTE	2	M578	13.4
Longwood	ALTAMONTE	1	M572	13.9
Seven Springs	ANCLOTE PLANT	7	C4207	11.7
Seven Springs	ANCLOTE PLANT	7	C4206	14.1
Seven Springs	ANCLOTE PLANT	8	C4202	14.5
Seven Springs	ANCLOTE PLANT	8	C4203	14.7
Seven Springs	ANCLOTE PLANT	8	C4201	14.8
Monticello	APALACHICOLA	1	N58	7.6
Monticello	APALACHICOLA	2	N59	10.4
Apopka	APOPKA SOUTH	1	M724	6.6
Apopka	APOPKA SOUTH	1	M722	10.7
Apopka	APOPKA SOUTH	3	M721	11.0
Apopka	APOPKA SOUTH	2	M725	11.3
Apopka	APOPKA SOUTH	2	M727	12.9
Apopka	APOPKA SOUTH	1	M723	13.5
Apopka	APOPKA SOUTH	3	M720	14.0
Apopka	APOPKA SOUTH	2	M726	16.4
Highlands	ARBUCKLE CREEK	1	K1361	7.7

Monticello	ARCHER	1	A195	3.3
Monticello	ARCHER	2	A196	5.5
Winter Garden	AVALON	4	K37	12.1
Winter Garden	AVALON	4	K38	13.4
Highlands	AVON PARK NORTH	2	K892	3.3
Highlands	AVON PARK NORTH	1	K894	6.0
Highlands	AVON PARK NORTH	1	K893	12.3
Highlands	AVON PARK NORTH	2	K891	12.6
Highlands	AVON PARK PLANT	5	K116	8.1
Highlands	AVON PARK PLANT	5	K117	9.1
Highlands	AVON PARK PLANT	4	K118	11.0
Highlands	AVON PARK PLANT	4	K119	15.9
Lake Wales	BABSON PARK	1	K1195	7.0
Lake Wales	BABSON PARK	1	K1196	8.4
Deland	BARBERVILLE	2	W0903	4.3
Deland	BARBERVILLE	2	W0904	8.6
Deland	BARBERVILLE	1	W0902	13.5
Buena Vista	BARNUM CITY	1	K3360	12.1
Buena Vista	BARNUM CITY	1	K3364	14.0
Buena Vista	BARNUM CITY	2	K3366	14.3
Buena Vista	BARNUM CITY	2	K1503	14.9
Buena Vista	BARNUM CITY	1	K1501	15.7
Buena Vista	BARNUM CITY	2	K3362	15.8
Buena Vista	BAY HILL	2	K77	6.0
Buena Vista	BAY HILL	1	K72	8.9
Buena Vista	BAY HILL	2	K76	10.1
Buena Vista	BAY HILL	1	K73	10.6
Buena Vista	BAY HILL	2	K75	11.0
Buena Vista	BAY HILL	3	K79	11.0
Buena Vista	BAY HILL	1	K74	12.9
Buena Vista	BAY HILL	3	K68	13.5
Buena Vista	BAY HILL	3	K67	13.5
Apopka	BAY RIDGE	2	M451	10.3
Apopka	BAY RIDGE	1	M447	10.6
Apopka	BAY RIDGE	1	M453	12.4
Apopka	BAY RIDGE	2	M445	14.6
St. Petersburg	BAYBORO SOUTH	3	X10	3.6
St. Petersburg	BAYBORO SOUTH	3	X13	4.5
St. Petersburg	BAYBORO SOUTH	2	X15	5.6
St. Petersburg	BAYBORO SOUTH	2	X20	7.0
St. Petersburg	BAYBORO SOUTH	3	X19	9.2
St. Petersburg	BAYBORO SOUTH	2	X18	10.4
St. Petersburg	BAYBORO SOUTH	1	X21	11.5
St. Petersburg	BAYBORO SOUTH	1	X9	12.5
St. Petersburg	BAYBORO SOUTH	1	X16	14.6
Clearwater	BAYVIEW	2	C658	10.3
Clearwater	BAYVIEW	2	C655	11.6

Clearwater	BAYVIEW	1	C654	12.8
Clearwater	BAYVIEW	1	C652	14.8
Clearwater	BAYVIEW	1	C651	14.8
Clearwater	BAYVIEW	1	C653	15.0
Clearwater	BAYVIEW	2	C656	15.9
Clearwater	BAYVIEW	2	C657	17.2
St. Petersburg	BAYWAY	2	X100	7.9
St. Petersburg	BAYWAY	2	X99	13.3
St. Petersburg	BAYWAY	2	X96	13.4
St. Petersburg	BAYWAY	2	X97	15.0
Monticello	BEACON HILL	2	N515	2.5
Monticello	BEACON HILL	2	N527	8.6
Monticello	BEACON HILL	1	N516	9.1
Clearwater	BELLEAIR	1	C1004	3.1
Clearwater	BELLEAIR	2	C1007	11.3
Clearwater	BELLEAIR	1	J1001	12.8
Clearwater	BELLEAIR	1	C1003	14.1
Clearwater	BELLEAIR	2	C1005	15.9
Clearwater	BELLEAIR	2	C1008	17.1
Clearwater	BELLEAIR	1	C1002	21.7
Ocala	BELLEVIEW	1	A3	3.6
Ocala	BELLEVIEW	1	A12	5.1
Ocala	BELLEVIEW	1	A1	8.7
Ocala	BELLEVIEW	2	A4	12.0
Ocala	BELLEVIEW	2	A2	12.7
Ocala	BELLEVIEW	2	A6	14.1
Ocala	BELLEVIEW	2	A14	14.2
Inverness	BEVERLY HILLS	2	A73	7.9
Inverness	BEVERLY HILLS	2	A72	8.8
Inverness	BEVERLY HILLS	1	A75	10.2
Inverness	BEVERLY HILLS	1	A74	11.1
Ocala	BEVILLES CORNER	1	A561	4.8
Ocala	BEVILLES CORNER	1	A562	8.5
Jamestown	BITHLO	1	W0952	7.4
Jamestown	BITHLO	1	W0951	12.2
Jamestown	BITHLO	1	W0953	12.3
Jamestown	BITHLO	2	W0955	16.5
Jamestown	BITHLO	2	W0954	17.1
Jamestown	BITHLO	2	W0956	17.6
Buena Vista	BOGGY MARSH	1	K959	8.5
Buena Vista	BOGGY MARSH	1	K964	13.5
Buena Vista	BOGGY MARSH	2	K960	14.1
Buena Vista	BOGGY MARSH	2	K961	14.3
Buena Vista	BOGGY MARSH	2	K957	14.3
Buena Vista	BOGGY MARSH	1	K958	15.2
Buena Vista	BOGGY MARSH	1	K965	15.4
Buena Vista	BONNET CREEK	2	K1230	2.5

Buena Vista	BONNET CREEK	1	K973	4.1
Buena Vista	BONNET CREEK	2	K1234	6.4
Buena Vista	BONNET CREEK	1	K976	7.6
Buena Vista	BONNET CREEK	1	K975	8.3
Buena Vista	BONNET CREEK	2	K1231	9.0
Buena Vista	BONNET CREEK	2	K1232	9.1
Seven Springs	BROOKER CREEK	1	C5401	5.0
Seven Springs	BROOKER CREEK	1	C5400	8.1
Seven Springs	BROOKER CREEK	1	C5402	10.7
Seven Springs	BROOKER CREEK	2	C5406	13.7
Seven Springs	BROOKER CREEK	2	C5404	14.6
Seven Springs	BROOKER CREEK	2	C5405	15.0
Inverness	BROOKSVILLE	2	A97	9.1
Inverness	BROOKSVILLE	2	A98	9.9
Inverness	BROOKSVILLE	3	A95	10.0
Inverness	BROOKSVILLE	3	A96	69.5
Ocala	BUSHNELL EAST	1	A170	9.8
Lake Wales	CABBAGE ISLAND	3	K1615	6.7
Lake Wales	CABBAGE ISLAND	3	K1613	7.4
Lake Wales	CABBAGE ISLAND	2	K1618	9.9
Lake Wales	CABBAGE ISLAND	2	K1614	10.5
Lake Wales	CABBAGE ISLAND	2	K1616	10.8
SE Orlando	CANOE CREEK	1	W0105	14.8
Monticello	CARRABELLE	1	N42	3.6
Monticello	CARRABELLE	1	N43	13.6
Monticello	CARRABELLE BEACH	1	N48	5.9
Deland	CASSADAGA	2	W0523	6.2
Deland	CASSADAGA	3	W0517	7.6
Deland	CASSADAGA	3	W0515	9.7
Deland	CASSADAGA	3	W0516	10.9
Deland	CASSADAGA	2	W0524	15.4
Jamestown	CASSELBERRY	3	W0028	6.7
Jamestown	CASSELBERRY	1	W0021	7.0
Jamestown	CASSELBERRY	1	W0018	7.3
Jamestown	CASSELBERRY	3	W0029	7.3
Jamestown	CASSELBERRY	2	W0025	7.6
Jamestown	CASSELBERRY	1	W0017	10.5
Jamestown	CASSELBERRY	1	W0019	11.3
Jamestown	CASSELBERRY	2	W0020	12.9
Jamestown	CASSELBERRY	3	W0027	14.1
Jamestown	CASSELBERRY	2	W0022	14.1
Jamestown	CASSELBERRY	2	W0026	14.2
Buena Vista	CELEBRATION	2	K2704	9.3
Buena Vista	CELEBRATION	3	K2703	10.1
Buena Vista	CELEBRATION	2	K2701	11.8
Buena Vista	CELEBRATION	3	K2706	12.7
SE Orlando	CENTRAL PARK	2	W0496	5.5

SE Orlando	CENTRAL PARK	1	W0494	5.8
SE Orlando	CENTRAL PARK	2	W0498	6.3
SE Orlando	CENTRAL PARK	3	K800	7.1
SE Orlando	CENTRAL PARK	3	W0501	7.9
SE Orlando	CENTRAL PARK	2	W0497	9.2
SE Orlando	CENTRAL PARK	1	K495	9.9
SE Orlando	CENTRAL PARK	1	W0493	10.0
SE Orlando	CENTRAL PARK	2	K499	10.9
SE Orlando	CENTRAL PARK	3	W0500	12.3
St. Petersburg	CENTRAL PLAZA	2	X263	1.3
St. Petersburg	CENTRAL PLAZA	1	X266	1.4
St. Petersburg	CENTRAL PLAZA	2	X265	7.7
St. Petersburg	CENTRAL PLAZA	1	X268	12.0
St. Petersburg	CENTRAL PLAZA	2	X267	12.4
St. Petersburg	CENTRAL PLAZA	1	X264	12.9
St. Petersburg	CENTRAL PLAZA	1	X262	14.0
Lake Wales	CHAMPIONS GATE	2	K1761	13.4
Lake Wales	CHAMPIONS GATE	2	K1763	13.8
Lake Wales	CHAMPIONS GATE	1	K1766	14.4
Lake Wales	CHAMPIONS GATE	1	K1762	14.5
Lake Wales	CHAMPIONS GATE	1	K1764	14.6
Inverness	CIRCLE SQUARE	1	A253	8.9
Inverness	CIRCLE SQUARE	2	A250	11.3
Inverness	CIRCLE SQUARE	1	A251	12.6
Inverness	CITRUS HILLS	2	A284	6.9
Inverness	CITRUS HILLS	2	A286	9.9
Inverness	CITRUS HILLS	3	A283	10.3
Inverness	CITRUS HILLS	2	A282	10.6
Inverness	CITRUS HILLS	3	A285	12.2
Lake Wales	CITRUSVILLE	1	K62	4.6
Lake Wales	CITRUSVILLE	1	K35	18.2
Winter Garden	CLARCONA	2	M339	4.1
Winter Garden	CLARCONA	2	M340	8.4
Winter Garden	CLARCONA	3	M348	8.6
Winter Garden	CLARCONA	3	M351	9.7
Winter Garden	CLARCONA	1	M337	9.8
Winter Garden	CLARCONA	1	M343	12.1
Winter Garden	CLARCONA	3	M342	12.8
Winter Garden	CLARCONA	2	M346	15.6
Winter Garden	CLARCONA	2	M345	16.1
Clearwater	CLEARWATER	3	C13	0.6
Clearwater	CLEARWATER	2	C8	2.2
Clearwater	CLEARWATER	1	C6	2.4
Clearwater	CLEARWATER	2	C9	4.3
Clearwater	CLEARWATER	4	C19	6.7
Clearwater	CLEARWATER	1	C7	7.9
Clearwater	CLEARWATER	3	C14	8.8

Clearwater	CLEARWATER	1	C4	10.7
Clearwater	CLEARWATER	4	C18	10.8
Clearwater	CLEARWATER	3	C15	11.5
Clearwater	CLEARWATER	2	C10	12.4
Clearwater	CLEARWATER	3	C12	13.8
Clearwater	CLEARWATER	4	C17	14.4
Clearwater	CLEARWATER	4	C16	15.6
Clearwater	CLEARWATER	1	C5	17.2
Clearwater	CLEARWATER	2	C11	20.8
Clermont	CLERMONT	2	K605	8.9
Clermont	CLERMONT	2	K607	10.9
Clermont	CLERMONT	1	K602	13.6
Clermont	CLERMONT	1	K601	14.2
Clermont	CLERMONT	1	K603	14.9
Clermont	CLERMONT	2	K606	15.7
Ocala	COLEMAN	2	A107	4.3
Ocala	COLEMAN	1	A105	5.7
Ocala	COLEMAN	2	A108	7.9
SE Orlando	COLONIAL	1	K2477	7.6
SE Orlando	COLONIAL	1	K2476	16.8
SE Orlando	CONWAY	1	W0407	9.3
SE Orlando	CONWAY	2	W0405	10.8
SE Orlando	CONWAY	2	W0404	11.0
SE Orlando	CONWAY	1	W0408	14.0
Lake Wales	COUNTRY OAKS	1	K1446	3.9
Lake Wales	COUNTRY OAKS	1	K1443	8.3
Lake Wales	COUNTRY OAKS	2	K1447	13.1
Monticello	CRAWFORDVILLE	2	N36	10.2
Monticello	CRAWFORDVILLE	3	N35	13.1
Lake Wales	CROOKED LAKE	1	K1771	8.0
Lake Wales	CROOKED LAKE	1	K1772	8.1
Walsingham	CROSS BAYOU	1	J144	2.1
Walsingham	CROSS BAYOU	3	J140	10.0
Walsingham	CROSS BAYOU	1	J142	11.5
Walsingham	CROSS BAYOU	2	J146	11.8
Walsingham	CROSS BAYOU	1	J143	12.6
Walsingham	CROSS BAYOU	1	J145	13.3
Walsingham	CROSS BAYOU	3	J141	14.9
Walsingham	CROSS BAYOU	3	J150	15.8
Walsingham	CROSS BAYOU	2	J147	18.0
Walsingham	CROSS BAYOU	2	J148	18.0
Monticello	CROSS CITY	2	A115	4.1
Monticello	CROSS CITY	2	A118	6.1
Monticello	CROSS CITY	1	A119	7.1
Monticello	CROSS CITY INDUSTRIAL	1	A46	7.2
St. Petersburg	CROSSROADS	2	X137	2.9
St. Petersburg	CROSSROADS	2	X136	4.2

St. Petersburg	CROSSROADS	1	X133	5.8
St. Petersburg	CROSSROADS	1	X132	5.8
St. Petersburg	CROSSROADS	2	X138	7.5
St. Petersburg	CROSSROADS	1	X134	9.3
St. Petersburg	CROSSROADS	2	X135	15.1
Winter Garden	CROWN POINT	2	K288	6.3
Winter Garden	CROWN POINT	1	K278	7.1
Winter Garden	CROWN POINT	2	K287	11.2
Winter Garden	CROWN POINT	1	K279	14.3
Inverness	CRYSTAL RIVER NORTH	1	A162	9.9
Inverness	CRYSTAL RIVER NORTH	1	A161	11.7
Inverness	CRYSTAL RIVER PLANT	0	A301	0.7
Inverness	CRYSTAL RIVER PLANT	0	A308	0.8
Inverness	CRYSTAL RIVER PLANT	1	A300	4.6
Inverness	CRYSTAL RIVER SOUTH	1	A159	9.4
Seven Springs	CURLEW	2	C4977	4.9
Seven Springs	CURLEW	2	C4985	8.5
Seven Springs	CURLEW	3	C4972	9.8
Seven Springs	CURLEW	2	C4986	11.6
Seven Springs	CURLEW	1	C4989	11.8
Seven Springs	CURLEW	3	C4973	12.3
Seven Springs	CURLEW	1	C4991	12.3
Seven Springs	CURLEW	3	C4988	13.0
Seven Springs	CURLEW	3	C4987	13.2
Seven Springs	CURLEW	2	C4976	14.0
Seven Springs	CURLEW	1	C4990	18.2
SE Orlando	CURRY FORD	1	W0595	5.4
SE Orlando	CURRY FORD	2	W0596	11.1
SE Orlando	CURRY FORD	1	W0601	12.5
SE Orlando	CURRY FORD	2	W0598	14.2
SE Orlando	CURRY FORD	1	W0597	14.6
Lake Wales	CYPRESSWOOD	1	K317	4.8
Lake Wales	CYPRESSWOOD	2	K561	6.4
Lake Wales	CYPRESSWOOD	1	K563	8.9
Lake Wales	CYPRESSWOOD	2	K562	19.0
Lake Wales	DAVENPORT	1	K9	15.6
Lake Wales	DAVENPORT	1	K8	16.0
Lake Wales	DAVENPORT	1	K7	17.0
Deland	DELAND	1	W0804	9.4
Deland	DELAND	2	W0806	9.5
Deland	DELAND	1	W0805	10.2
Deland	DELAND	2	W0807	11.0
Deland	DELAND	2	W0809	12.2
Deland	DELAND	1	W0803	12.9
Deland	DELAND	2	W0808	25.1
Deland	DELAND EAST	3	W1102	5.5
Deland	DELAND EAST	1	W1109	6.6

Deland	DELAND EAST	2	W1105	8.9
Deland	DELAND EAST	2	W1107	9.3
Deland	DELAND EAST	1	W1110	12.0
Deland	DELAND EAST	3	W1104	12.7
Deland	DELAND EAST	2	W1106	13.0
Deland	DELAND EAST	3	W1103	13.3
Deland	DELAND EAST	1	W1108	14.0
Deland	DELEON SPRINGS	1	W0034	8.6
Deland	DELEON SPRINGS	1	W0032	14.0
Deland	DELTONA	2	W4564	5.9
Deland	DELTONA	3	W4553	6.3
Deland	DELTONA	1	W4567	7.6
Deland	DELTONA	1	W4561	8.3
Deland	DELTONA	3	W4550	8.3
Deland	DELTONA	2	W4565	8.8
Deland	DELTONA	1	W4555	9.7
Deland	DELTONA	2	W4558	11.4
Deland	DELTONA	3	W4562	11.7
Deland	DELTONA	3	W4556	15.2
Deland	DELTONA EAST	2	W0126	8.1
Deland	DELTONA EAST	3	W0121	11.7
Deland	DELTONA EAST	3	W0130	12.9
Deland	DELTONA EAST	2	W0132	13.5
Deland	DELTONA EAST	2	W0123	13.7
Deland	DELTONA EAST	3	W0124	14.0
Seven Springs	DENHAM	1	C151	10.7
Seven Springs	DENHAM	3	C156	12.1
Seven Springs	DENHAM	3	C157	15.6
Seven Springs	DENHAM	1	C152	19.0
Highlands	DESOTO CITY	1	K3221	2.2
Highlands	DESOTO CITY	2	K3222	4.1
Highlands	DESOTO CITY	1	K3220	10.1
Highlands	DINNER LAKE	2	K1684	2.9
Highlands	DINNER LAKE	2	K1687	4.1
Highlands	DINNER LAKE	2	K1689	8.5
Highlands	DINNER LAKE	2	K1688	8.7
Highlands	DINNER LAKE	1	K1690	11.0
Highlands	DINNER LAKE	1	K1691	13.3
Highlands	DINNER LAKE	2	K1685	13.5
Walsingham	DISSTON	2	X65	3.9
Walsingham	DISSTON	1	X61	6.5
Walsingham	DISSTON	2	X67	14.1
Walsingham	DISSTON	2	X64	14.4
Walsingham	DISSTON	1	X62	15.5
Walsingham	DISSTON	1	X63	16.6
Walsingham	DISSTON	2	X66	17.9
Walsingham	DISSTON	1	X60	18.2

Apopka	DOUGLAS AVENUE	2	M1712	5.4
Apopka	DOUGLAS AVENUE	1	M1704	6.5
Apopka	DOUGLAS AVENUE	2	M1709	6.7
Apopka	DOUGLAS AVENUE	1	M1707	7.8
Apopka	DOUGLAS AVENUE	2	M1706	9.3
Lake Wales	DUNDEE	2	K3246	3.4
Lake Wales	DUNDEE	2	K3244	15.7
Lake Wales	DUNDEE	2	K3245	16.1
Clearwater	DUNEDIN	2	C106	6.5
Clearwater	DUNEDIN	1	C102	12.1
Clearwater	DUNEDIN	2	C104	13.1
Clearwater	DUNEDIN	3	C108	13.8
Clearwater	DUNEDIN	1	C103	14.9
Clearwater	DUNEDIN	3	C107	16.5
Inverness	DUNNELLON TOWN	1	A71	7.9
Inverness	DUNNELLON TOWN	2	A69	9.3
Inverness	DUNNELLON TOWN	1	A70	9.8
Inverness	DUNNELLON TOWN	2	A68	19.9
Ocala	EAGLES NEST	1	A228	10.0
Ocala	EAGLES NEST	2	A224	11.6
Clearwater	EAST CLEARWATER	3	C908	6.7
Clearwater	EAST CLEARWATER	1	C903	8.7
Clearwater	EAST CLEARWATER	1	C901	8.9
Clearwater	EAST CLEARWATER	3	C911	12.0
Clearwater	EAST CLEARWATER	2	C905	12.5
Clearwater	EAST CLEARWATER	2	C904	13.3
Clearwater	EAST CLEARWATER	2	C906	13.3
Clearwater	EAST CLEARWATER	3	C910	13.6
Clearwater	EAST CLEARWATER	1	C902	14.5
Clearwater	EAST CLEARWATER	1	C900	15.5
Clearwater	EAST CLEARWATER	3	C909	15.7
Clearwater	EAST CLEARWATER	2	C907	15.9
Lake Wales	EAST LAKE WALES	2	K1031	0.1
Lake Wales	EAST LAKE WALES	1	K1030	14.2
Lake Wales	EAST LAKE WALES	1	K1032	38.0
Jamestown	EAST ORANGE	1	W0273	3.2
Jamestown	EAST ORANGE	1	W0276	3.4
Jamestown	EAST ORANGE	2	W0265	9.0
Jamestown	EAST ORANGE	2	W0253	10.5
Jamestown	EAST ORANGE	3	W0255	10.5
Jamestown	EAST ORANGE	3	W0252	11.0
Jamestown	EAST ORANGE	2	W0271	11.8
Jamestown	EAST ORANGE	3	W0281	12.8
Jamestown	EAST ORANGE	3	W0274	13.8
Jamestown	EAST ORANGE	2	W0250	15.9
Monticello	EAST POINT	1	N230	5.3
Monticello	EAST POINT	1	N231	9.1

Longwood	EATONVILLE	1	M1131	7.4
Longwood	EATONVILLE	1	M1133	7.8
Longwood	EATONVILLE	3	M1138	8.5
Longwood	EATONVILLE	2	M1136	9.6
Longwood	EATONVILLE	3	M1139	11.0
Longwood	EATONVILLE	2	M1137	12.2
Longwood	EATONVILLE	1	M1132	12.5
Longwood	EATONVILLE	2	M1135	15.6
Jamestown	ECON	1	W0329	5.3
Jamestown	ECON	2	W0318	7.6
Jamestown	ECON	1	W0320	11.4
Jamestown	ECON	2	W0321	11.8
Jamestown	ECON	2	W0324	12.2
Jamestown	ECON	1	W0326	15.5
Jamestown	ECON	2	W0327	19.9
Seven Springs	ELFERS	1	C954	8.1
Seven Springs	ELFERS	2	C951	10.0
Seven Springs	ELFERS	2	C953	10.7
Seven Springs	ELFERS	2	C950	12.6
Seven Springs	ELFERS	2	C952	13.6
Seven Springs	ELFERS	1	C957	14.6
Seven Springs	ELFERS	1	C956	15.3
Seven Springs	ELFERS	1	C955	16.4
Apopka	EUSTIS	1	M503	9.0
Apopka	EUSTIS	1	M504	10.9
Apopka	EUSTIS	2	M501	11.5
Apopka	EUSTIS	2	M500	11.9
Apopka	EUSTIS	2	M499	40.6
Apopka	EUSTIS SOUTH	2	M1054	7.7
Apopka	EUSTIS SOUTH	2	M1056	9.9
Apopka	EUSTIS SOUTH	1	M1059	10.0
Apopka	EUSTIS SOUTH	1	M1058	10.9
Apopka	EUSTIS SOUTH	1	M1057	12.2
Apopka	EUSTIS SOUTH	2	M1055	12.8
Longwood	FERN PARK	1	M908	6.8
Longwood	FERN PARK	1	M909	7.2
Longwood	FERN PARK	1	M907	9.1
St. Petersburg	FIFTY-FIRST STREET	1	X106	5.6
St. Petersburg	FIFTY-FIRST STREET	1	X104	8.1
St. Petersburg	FIFTY-FIRST STREET	2	X101	9.9
St. Petersburg	FIFTY-FIRST STREET	2	X107	11.1
St. Petersburg	FIFTY-FIRST STREET	1	X108	11.9
St. Petersburg	FIFTY-FIRST STREET	2	X105	13.7
St. Petersburg	FIFTY-FIRST STREET	1	X102	15.8
St. Petersburg	FIFTY-FIRST STREET	2	X103	16.1
Highlands	FISHEATING CREEK	1	K1560	18.4
Inverness	FLORAL CITY	1	A88	3.6

Inverness	FLORAL CITY	1	A87	8.0
Seven Springs	FLORA-MAR	1	C4000	12.3
Seven Springs	FLORA-MAR	2	C4008	12.5
Seven Springs	FLORA-MAR	2	C4009	13.1
Seven Springs	FLORA-MAR	1	C4001	13.3
Seven Springs	FLORA-MAR	1	C4003	13.5
Seven Springs	FLORA-MAR	2	C4006	15.5
Seven Springs	FLORA-MAR	1	C4002	15.9
Seven Springs	FLORA-MAR	2	C4007	17.6
Monticello	FOLEY	0	N17	3.5
Monticello	FOLEY	2	N19	7.0
Highlands	FORT MEADE	3	K170	0.1
Highlands	FORT MEADE	3	K171	7.2
Monticello	FORT WHITE	2	A20	7.0
St. Petersburg	FORTIETH STREET	1	X81	6.5
St. Petersburg	FORTIETH STREET	2	X85	10.9
St. Petersburg	FORTIETH STREET	2	X83	11.9
St. Petersburg	FORTIETH STREET	1	X82	12.0
St. Petersburg	FORTIETH STREET	2	X84	12.3
Buena Vista	FOUR CORNERS	2	K1409	5.6
Buena Vista	FOUR CORNERS	3	K1410	6.1
Buena Vista	FOUR CORNERS	3	K1414	6.8
Buena Vista	FOUR CORNERS	1	K1404	8.1
Buena Vista	FOUR CORNERS	1	K1407	8.3
Buena Vista	FOUR CORNERS	2	K1412	8.5
Buena Vista	FOUR CORNERS	2	K1406	9.3
Buena Vista	FOUR CORNERS	3	K1416	15.1
Lake Wales	FROSTPROOF	2	K103	1.8
Lake Wales	FROSTPROOF	1	K101	9.9
Lake Wales	FROSTPROOF	1	K100	9.9
Lake Wales	FROSTPROOF	2	K104	10.9
Lake Wales	FROSTPROOF	1	K102	11.0
Walsingham	GATEWAY	3	X123	5.2
Walsingham	GATEWAY	1	X114	5.8
Walsingham	GATEWAY	3	X125	5.8
Walsingham	GATEWAY	3	X122	6.1
Walsingham	GATEWAY	1	X111	8.5
Walsingham	GATEWAY	2	X118	9.2
Walsingham	GATEWAY	2	X119	10.0
Walsingham	GATEWAY	1	X113	12.9
Walsingham	GATEWAY	3	X121	13.3
Walsingham	GATEWAY	1	X112	15.2
Walsingham	GATEWAY	2	X120	15.7
Monticello	GE ALACHUA	1	A185	0.2
Monticello	GE ALACHUA	1	A186	5.9
Walsingham	GE PINELLAS	2	J234	0.5
Monticello	GEORGIA PACIFIC	1	A45	12.4

Buena Vista	GIFFORD	1	K84	15.9
Buena Vista	GIFFORD	1	K83	22.2
Clermont	GROVELAND	2	K675	12.1
Clermont	GROVELAND	1	K673	12.6
Clermont	GROVELAND	1	K674	16.1
Lake Wales	HAINES CITY	2	K16	6.2
Lake Wales	HAINES CITY	2	K15	8.9
Lake Wales	HAINES CITY	1	K18	12.5
Lake Wales	HAINES CITY	2	K17	13.3
Lake Wales	HAINES CITY	1	K22	17.3
Lake Wales	HAINES CITY	2	K20	18.8
Lake Wales	HAINES CITY	1	K21	24.2
Lake Wales	HAINES CITY	1	K19	31.3
Winter Garden	HEMPLE	2	K2252	7.7
Winter Garden	HEMPLE	3	K2249	9.5
Winter Garden	HEMPLE	2	K2244	10.6
Winter Garden	HEMPLE	2	K2247	10.7
Winter Garden	HEMPLE	3	K2253	12.1
Winter Garden	HEMPLE	3	K2246	12.5
Winter Garden	HEMPLE	1	K2250	13.0
Winter Garden	HEMPLE	1	K2255	15.1
Inverness	HERNANDO AIRPORT	1	A430	11.5
Inverness	HERNANDO AIRPORT	1	A431	20.5
Monticello	HIGH SPRINGS	2	A16	10.1
Monticello	HIGH SPRINGS	1	A15	17.0
Deland	HIGHBANKS	1	W0752	8.5
Deland	HIGHBANKS	1	W0751	11.4
Clearwater	HIGHLANDS	2	C2808	9.2
Clearwater	HIGHLANDS	1	C2807	11.5
Clearwater	HIGHLANDS	2	C2804	12.1
Clearwater	HIGHLANDS	2	C2803	12.2
Clearwater	HIGHLANDS	1	C2805	13.5
Clearwater	HIGHLANDS	2	C2802	13.5
Clearwater	HIGHLANDS	1	C2806	16.5
Inverness	HOLDER	1	A49	11.2
Inverness	HOLDER	1	A47	11.8
Inverness	HOLDER	2	A48	12.8
SE Orlando	HOLOPAW	1	W0630	11.8
SE Orlando	HOLOPAW	2	W0629	16.5
Inverness	HOMOSASSA	3	A271	9.3
Inverness	HOMOSASSA	3	A272	11.7
Clermont	HOWEY	1	K564	2.7
Clermont	HOWEY	1	K565	12.1
Buena Vista	HUNTERS CREEK	3	K49	8.7
Buena Vista	HUNTERS CREEK	3	K48	9.1
Buena Vista	HUNTERS CREEK	3	K45	10.5
Buena Vista	HUNTERS CREEK	1	K51	10.6

Buena Vista	HUNTERS CREEK	2	K43	11.9
Buena Vista	HUNTERS CREEK	2	K42	13.4
Buena Vista	HUNTERS CREEK	1	K40	14.0
Monticello	INDIAN PASS	1	N556	260.9
Inverness	INGLIS	2	A78	10.8
Lake Wales	INTERCESSION CITY PLANT	1	K966	4.2
Lake Wales	INTERCESSION CITY PLANT	1	K967	11.0
Buena Vista	INTERNATIONAL DRIVE	2	K4817	10.7
Buena Vista	INTERNATIONAL DRIVE	3	K4815	10.9
Buena Vista	INTERNATIONAL DRIVE	3	K4818	12.5
Buena Vista	INTERNATIONAL DRIVE	2	K4820	13.2
Inverness	INVERNESS	2	A84	10.8
Inverness	INVERNESS	1	A81	12.1
Inverness	INVERNESS	2	A85	12.5
Inverness	INVERNESS	1	A83	12.8
Inverness	INVERNESS	1	A82	12.9
Winter Garden	ISLEWORTH	2	K784	4.4
Winter Garden	ISLEWORTH	1	K773	9.9
Winter Garden	ISLEWORTH	3	K781	13.3
Winter Garden	ISLEWORTH	1	K789	14.6
Winter Garden	ISLEWORTH	2	K792	15.3
Winter Garden	ISLEWORTH	2	K779	15.5
Winter Garden	ISLEWORTH	3	K782	15.5
Monticello	JASPER SOUTH	1	N192	8.1
Monticello	JASPER SOUTH	2	N191	8.7
Monticello	JENNINGS	1	N195	5.3
Longwood	KELLER ROAD	2	M4	6.7
Longwood	KELLER ROAD	1	M1	7.6
Longwood	KELLER ROAD	1	M3	8.2
Longwood	KELLER ROAD	2	M2	10.5
Apopka	KELLY PARK	2	M822	4.0
Apopka	KELLY PARK	2	M821	12.8
Walsingham	KENNETH	1	X52	0.1
Walsingham	KENNETH	2	X54	0.4
Walsingham	KENNETH	2	X55	7.4
Walsingham	KENNETH	1	X51	11.7
Walsingham	KENNETH	1	X53	12.7
Walsingham	KENNETH	1	X50	14.2
Walsingham	KENNETH	2	X56	14.5
Walsingham	KENNETH	2	X57	15.3
Ocala	LADY LAKE	1	A246	9.2
Ocala	LADY LAKE	1	A243	9.4
Ocala	LADY LAKE	2	A245	9.8
Ocala	LADY LAKE	2	A244	11.3
Longwood	LAKE ALOMA	2	W0158	4.3
Longwood	LAKE ALOMA	1	W0151	8.0
Longwood	LAKE ALOMA	1	W0153	8.2

Longwood	LAKE ALOMA	2	W0161	13.4
Buena Vista	LAKE BRYAN	1	K240	2.9
Buena Vista	LAKE BRYAN	1	K242	4.1
Buena Vista	LAKE BRYAN	2	K239	5.2
Buena Vista	LAKE BRYAN	3	K231	8.0
Buena Vista	LAKE BRYAN	2	K238	8.6
Buena Vista	LAKE BRYAN	3	K232	9.7
Buena Vista	LAKE BRYAN	3	K230	9.9
Buena Vista	LAKE BRYAN	2	K244	14.1
Longwood	LAKE EMMA	1	M425	3.8
Longwood	LAKE EMMA	1	M427	5.2
Longwood	LAKE EMMA	2	M423	6.0
Longwood	LAKE EMMA	2	M421	7.2
Longwood	LAKE EMMA	2	M422	8.5
Longwood	LAKE EMMA	1	M426	9.0
Longwood	LAKE EMMA	1	M428	10.0
Longwood	LAKE EMMA	2	M424	11.7
Deland	LAKE HELEN	1	W1703	9.1
Deland	LAKE HELEN	2	W1701	13.6
Deland	LAKE HELEN	1	W1700	14.0
Deland	LAKE HELEN	2	W1704	17.9
Winter Garden	LAKE LUNTZ	1	K3287	10.9
Winter Garden	LAKE LUNTZ	2	K3285	12.8
Winter Garden	LAKE LUNTZ	1	K3284	14.4
Winter Garden	LAKE LUNTZ	1	K3282	14.5
Winter Garden	LAKE LUNTZ	2	K3283	15.6
Winter Garden	LAKE LUNTZ	2	K3286	17.3
Lake Wales	LAKE MARION	1	K1288	10.4
Lake Wales	LAKE MARION	2	K1287	17.3
Lake Wales	LAKE MARION	1	K1286	32.0
Lake Wales	LAKE OF THE HILLS	1	K1885	9.5
Lake Wales	LAKE OF THE HILLS	1	K1884	10.4
Highlands	LAKE PLACID	1	K757	7.3
Highlands	LAKE PLACID	1	K758	8.0
Highlands	LAKE PLACID	2	K1320	12.0
Highlands	LAKE PLACID	2	K1066	12.6
Highlands	LAKE PLACID NORTH	2	K27	3.1
Highlands	LAKE PLACID NORTH	1	K24	6.2
Lake Wales	LAKE WALES	2	K56	4.9
Lake Wales	LAKE WALES	1	K53	7.6
Lake Wales	LAKE WALES	2	K57	9.3
Lake Wales	LAKE WALES	1	K54	11.3
Lake Wales	LAKE WALES	2	K58	11.7
Lake Wales	LAKE WALES	1	K55	50.3
Ocala	LAKE WEIR	1	A61	14.6
Ocala	LAKE WEIR	2	A64	17.2
Buena Vista	LAKE WILSON	2	K883	11.0

Buena Vista	LAKE WILSON	1	K882	11.5
Buena Vista	LAKE WILSON	2	K884	12.0
Buena Vista	LAKE WILSON	1	K881	16.9
Highlands	LAKEWOOD	2	K1705	7.9
Highlands	LAKEWOOD	1	K1694	8.0
Highlands	LAKEWOOD	1	K1695	8.6
Highlands	LAKEWOOD	1	K1693	11.6
Highlands	LAKEWOOD	2	K1706	13.8
Seven Springs	LAND O LAKES	1	C144	5.8
Seven Springs	LAND O LAKES	2	C146	5.8
Seven Springs	LAND O LAKES	1	C140	10.9
Seven Springs	LAND O LAKES	2	C145	12.2
Seven Springs	LAND O LAKES	1	C143	12.4
Seven Springs	LAND O LAKES	2	C148	15.1
Seven Springs	LAND O LAKES	1	C141	18.1
Clearwater	LARGO	1	J402	6.4
Clearwater	LARGO	2	J408	9.5
Clearwater	LARGO	2	J409	10.4
Clearwater	LARGO	1	J405	11.1
Clearwater	LARGO	2	J406	11.4
Clearwater	LARGO	1	J404	12.7
Clearwater	LARGO	1	J403	15.9
Clearwater	LARGO	2	J407	16.8
Inverness	LEBANON	1	A132	11.9
Highlands	LEISURE LAKES	1	K1415	13.5
Apopka	LISBON	1	M1518	9.9
Apopka	LISBON	2	M1517	10.0
Apopka	LISBON	2	M1519	11.6
Apopka	LISBON	1	M1520	33.7
Apopka	LOCKHART	1	M415	2.6
Apopka	LOCKHART	2	M408	7.4
Apopka	LOCKHART	2	M414	8.3
Apopka	LOCKHART	2	M417	9.0
Apopka	LOCKHART	2	M402	11.3
Apopka	LOCKHART	1	M400	12.7
Apopka	LOCKHART	1	M406	13.1
Apopka	LOCKHART	1	M412	15.8
Jamestown	LOCKWOOD	2	W0482	9.9
Jamestown	LOCKWOOD	2	W0483	10.0
Jamestown	LOCKWOOD	1	W0481	10.5
Jamestown	LOCKWOOD	1	W0480	11.7
Longwood	LONGWOOD	2	M144	10.1
Longwood	LONGWOOD	2	M145	10.2
Longwood	LONGWOOD	1	M143	11.8
Longwood	LONGWOOD	1	M142	15.5
Lake Wales	LOUGHMAN	1	K5078	11.3
Lake Wales	LOUGHMAN	1	K5079	14.1

Lake Wales	LOUGHMAN	1	K5086	16.8
Monticello	LURAVILLE	1	A192	8.1
Monticello	MADISON	1	N4	4.9
Monticello	MADISON	2	N2	7.9
Monticello	MADISON	2	N1	10.1
Monticello	MADISON	1	N3	13.2
SE Orlando	MAGNOLIA RANCH	2	W0502	7.3
SE Orlando	MAGNOLIA RANCH	2	W0503	9.4
SE Orlando	MAGNOLIA RANCH	1	W0504	12.0
SE Orlando	MAGNOLIA RANCH	1	W0505	12.6
SE Orlando	MAGNOLIA RANCH	2	W0506	26.5
Longwood	MAITLAND	1	M84	5.2
Longwood	MAITLAND	2	W0086	6.5
Longwood	MAITLAND	2	M85	8.9
Longwood	MAITLAND	1	M82	9.0
Longwood	MAITLAND	1	M81	9.8
Longwood	MAITLAND	3	M80	10.7
Longwood	MAITLAND	3	W0079	12.2
Longwood	MAITLAND	2	W0087	14.7
Ocala	MARICAMP	2	A336	12.5
Ocala	MARICAMP	1	A335	13.3
Ocala	MARICAMP	2	A334	14.8
Ocala	MARICAMP	1	A333	23.6
Ocala	MARTIN	1	A39	13.7
Ocala	MARTIN	1	A38	33.1
St. Petersburg	MAXIMO	1	X144	1.2
St. Petersburg	MAXIMO	2	X152	6.0
St. Petersburg	MAXIMO	2	X149	13.2
St. Petersburg	MAXIMO	3	X142	13.3
St. Petersburg	MAXIMO	1	X146	14.3
St. Petersburg	MAXIMO	3	X140	14.9
St. Petersburg	MAXIMO	2	X150	15.0
St. Petersburg	MAXIMO	3	X141	15.5
St. Petersburg	MAXIMO	2	X151	15.7
St. Petersburg	MAXIMO	1	X147	17.8
St. Petersburg	MAXIMO	1	X143	19.2
Ocala	MCINTOSH	1	A50	6.8
Ocala	MCINTOSH	2	A51	12.1
SE Orlando	MEADOW WOODS EAST	1	K1060	13.8
SE Orlando	MEADOW WOODS EAST	1	K1061	15.3
SE Orlando	MEADOW WOODS EAST	2	K1063	45.8
SE Orlando	MEADOW WOODS SOUTH	3	K1780	6.9
SE Orlando	MEADOW WOODS SOUTH	1	K1789	10.1
SE Orlando	MEADOW WOODS SOUTH	2	K1781	11.3
SE Orlando	MEADOW WOODS SOUTH	1	K1783	11.4
SE Orlando	MEADOW WOODS SOUTH	2	K1775	11.7
SE Orlando	MEADOW WOODS SOUTH	3	K1777	12.0

SE Orlando	MEADOW WOODS SOUTH	2	K1778	12.3
Lake Wales	MIDWAY	1	K1475	13.0
Lake Wales	MIDWAY	1	K1472	13.1
Lake Wales	MIDWAY	1	K1473	16.2
Clermont	MINNEOLA	2	K948	11.6
Clermont	MINNEOLA	1	K949	13.3
Clermont	MINNEOLA	1	K946	60.3
Deland	MONASTERY	2	W0210	7.8
Deland	MONASTERY	2	W0211	9.6
Deland	MONASTERY	1	W0202	10.7
Deland	MONASTERY	1	W0201	12.9
Monticello	MONTICELLO	2	N68	2.9
Monticello	MONTICELLO	1	N66	6.5
Monticello	MONTICELLO	2	N69	11.5
Monticello	MONTICELLO	1	N67	12.9
Clermont	MONTVERDE	2	K4850_TEMP	11.0
Clermont	MONTVERDE	2	K4845	11.2
Clermont	MONTVERDE	2	K4836	11.7
Clermont	MONTVERDE	1	K4841	12.1
Clermont	MONTVERDE	1	K4834	12.3
Clermont	MONTVERDE	2	K4833	15.8
Clermont	MONTVERDE	1	K4837	16.3
Clermont	MONTVERDE	2	K4840	17.6
Clermont	MONTVERDE	1	K4831	19.4
Longwood	MYRTLE LAKE	2	M650	5.9
Longwood	MYRTLE LAKE	3	M658	8.4
Longwood	MYRTLE LAKE	2	M648	9.5
Longwood	MYRTLE LAKE	3	M659	10.3
Longwood	MYRTLE LAKE	3	M657	10.9
Longwood	MYRTLE LAKE	2	M651	11.0
Longwood	MYRTLE LAKE	2	M649	12.3
SE Orlando	NARCOOSSEE	1	W0214	8.5
SE Orlando	NARCOOSSEE	2	W0215	9.5
SE Orlando	NARCOOSSEE	2	W0216	10.5
SE Orlando	NARCOOSSEE	1	W0213	11.2
SE Orlando	NARCOOSSEE	3	W0220	11.5
SE Orlando	NARCOOSSEE	2	W0217	12.6
SE Orlando	NARCOOSSEE	3	W0219	12.8
SE Orlando	NARCOOSSEE	1	W0212	14.0
Seven Springs	NEW PORT RICHEY	2	C444	10.2
Seven Springs	NEW PORT RICHEY	1	C441	11.5
Seven Springs	NEW PORT RICHEY	1	C442	11.6
Seven Springs	NEW PORT RICHEY	2	C443	15.3
Monticello	NEWBERRY	1	A94	24.0
Longwood	NORTH LONGWOOD	7	M1757	8.6
Longwood	NORTH LONGWOOD	6	M1755	10.0
Longwood	NORTH LONGWOOD	7	M1760	10.1

Longwood	NORTH LONGWOOD	6	M1761	12.4
Longwood	NORTH LONGWOOD	7	M1763	12.9
Longwood	NORTH LONGWOOD	7	M1751	13.3
Longwood	NORTH LONGWOOD	6	M1749	13.8
Longwood	NORTH LONGWOOD	6	M1758	15.4
St. Petersburg	NORTHEAST	2	X291	4.7
St. Petersburg	NORTHEAST	1	X282	7.5
St. Petersburg	NORTHEAST	1	X283	8.3
St. Petersburg	NORTHEAST	2	X289	10.6
St. Petersburg	NORTHEAST	1	X285	12.1
St. Petersburg	NORTHEAST	1	X284	12.4
St. Petersburg	NORTHEAST	2	X290	13.6
St. Petersburg	NORTHEAST	2	X287	15.7
St. Petersburg	NORTHEAST	2	X288	16.4
St. Petersburg	NORTHEAST	1	X286	17.7
Lake Wales	NORTHRIDGE	1	K1825	11.7
Lake Wales	NORTHRIDGE	1	K1822	14.9
Walsingham	OAKHURST	2	J226	7.6
Walsingham	OAKHURST	2	J225	11.2
Walsingham	OAKHURST	1	J221	12.4
Walsingham	OAKHURST	3	J223	12.8
Walsingham	OAKHURST	2	J227	13.2
Walsingham	OAKHURST	1	J229	14.6
Walsingham	OAKHURST	3	J224	14.8
Walsingham	OAKHURST	1	J228	15.5
Walsingham	OAKHURST	3	J230	15.9
Monticello	OBRIEN	1	A379	7.7
Monticello	OCHLOCKONEE	1	N38	7.0
Monticello	OCHLOCKONEE	2	N37	8.7
Winter Garden	OCOEE	3	M1088	6.2
Winter Garden	OCOEE	2	M1095	7.1
Winter Garden	OCOEE	1	M1091	7.6
Winter Garden	OCOEE	3	M1086	8.9
Winter Garden	OCOEE	3	M1087	10.4
Winter Garden	OCOEE	2	M1094	11.5
Winter Garden	OCOEE	1	M1090	12.9
Winter Garden	OCOEE	2	M1096	14.0
Winter Garden	OCOEE	1	M1092	14.2
Seven Springs	ODESSA	1	C4329	9.3
Seven Springs	ODESSA	2	C4320	10.8
Seven Springs	ODESSA	2	C4328	11.7
Seven Springs	ODESSA	1	C4318	12.6
Seven Springs	ODESSA	2	C4323	14.4
Seven Springs	ODESSA	1	C4322	16.6
Seven Springs	ODESSA	2	C4344	16.8
Clermont	OKAHUMPKA	2	K286	2.4
Clermont	OKAHUMPKA	2	K285	10.1

Clermont	OKAHUMPKA	1	K284	27.6
Clearwater	OLDSMAR	2	C604	1.7
Ocala	ORANGE BLOSSOM	1	A389	7.9
Ocala	ORANGE BLOSSOM	2	A388	10.0
Ocala	ORANGE BLOSSOM	1	A310	11.2
Ocala	ORANGE BLOSSOM	1	A392	11.8
Ocala	ORANGE BLOSSOM	2	A394	16.4
Ocala	ORANGE BLOSSOM	2	A309	106.8
Deland	ORANGE CITY	2	W0378	7.0
Deland	ORANGE CITY	3	W0370	11.2
Deland	ORANGE CITY	3	W0382	11.4
Deland	ORANGE CITY	3	W0376	12.9
Deland	ORANGE CITY	2	W0372	13.6
Buena Vista	ORANGEWOOD	1	K217	3.6
Buena Vista	ORANGEWOOD	2	K225	4.8
Buena Vista	ORANGEWOOD	1	K224	5.0
Buena Vista	ORANGEWOOD	2	K229	5.6
Buena Vista	ORANGEWOOD	2	K218	6.2
Buena Vista	ORANGEWOOD	1	K220	6.4
Buena Vista	ORANGEWOOD	1	K221	6.7
Buena Vista	ORANGEWOOD	1	K222	7.5
Buena Vista	ORANGEWOOD	2	K226	9.6
Buena Vista	ORANGEWOOD	2	K228	10.9
Jamestown	OVIEDO	2	W0175	8.0
Jamestown	OVIEDO	3	W0181	8.1
Jamestown	OVIEDO	1	W0171	8.8
Jamestown	OVIEDO	1	W0172	10.1
Jamestown	OVIEDO	3	W0176	10.6
Jamestown	OVIEDO	2	W0174	14.1
Seven Springs	PALM HARBOR	2	C756	10.2
Seven Springs	PALM HARBOR	1	C753	10.8
Seven Springs	PALM HARBOR	1	C752	12.0
Seven Springs	PALM HARBOR	2	C755	13.6
Seven Springs	PALM HARBOR	2	C757	15.4
Buena Vista	PARKWAY	1	K409	5.2
Buena Vista	PARKWAY	1	K408	8.6
St. Petersburg	PASADENA	1	X217	6.1
St. Petersburg	PASADENA	1	X216	7.9
St. Petersburg	PASADENA	2	X212	8.3
St. Petersburg	PASADENA	2	X213	10.4
St. Petersburg	PASADENA	2	X215	11.2
St. Petersburg	PASADENA	1	X220	11.7
St. Petersburg	PASADENA	2	X214	12.4
St. Petersburg	PASADENA	1	X219	13.4
St. Petersburg	PASADENA	2	X211	15.6
Highlands	PEMBROKE	1	K3205	0.3
Monticello	PERRY	1	N8	4.0

Monticello	PERRY	1	N7	9.2
Monticello	PERRY	2	N9	11.4
Monticello	PERRY	2	N10	24.6
Monticello	PERRY NORTH	1	N15	14.6
Monticello	PERRY NORTH	1	N14	47.9
Apopka	PIEDMONT	1	M476	7.2
Apopka	PIEDMONT	2	M471	10.6
Apopka	PIEDMONT	1	M477	11.3
Apopka	PIEDMONT	1	M475	11.9
Apopka	PIEDMONT	2	M472	12.1
Apopka	PIEDMONT	1	M478	12.5
Apopka	PIEDMONT	2	M473	13.0
Apopka	PIEDMONT	2	M474	14.4
St. Petersburg	PILSBURY	2	X256	1.7
St. Petersburg	PILSBURY	1	X253	2.7
St. Petersburg	PILSBURY	1	X252	5.9
St. Petersburg	PILSBURY	2	X259	15.4
St. Petersburg	PILSBURY	1	X254	15.5
St. Petersburg	PILSBURY	1	X255	16.1
St. Petersburg	PILSBURY	2	X257	16.5
St. Petersburg	PILSBURY	2	X258	16.6
Inverness	PINE RIDGE	1	A423	4.3
Inverness	PINE RIDGE	2	A427	11.3
Inverness	PINE RIDGE	2	A425	11.6
Inverness	PINE RIDGE	1	A422	13.5
SE Orlando	PINECASTLE	1	W0391	10.2
SE Orlando	PINECASTLE	2	K396	13.0
SE Orlando	PINECASTLE	1	W0392	13.7
SE Orlando	PINECASTLE	2	W0395	15.5
Seven Springs	PINELLAS WELL FIELD	1	C802	0.5
Seven Springs	PINELLAS WELL FIELD	1	C801	1.4
Apopka	PLYMOUTH SOUTH	1	M702	9.1
Apopka	PLYMOUTH SOUTH	2	M704	9.2
Apopka	PLYMOUTH SOUTH	2	M706	9.5
Apopka	PLYMOUTH SOUTH	1	M707	14.9
Lake Wales	POINCIANA	2	K1509	9.9
Lake Wales	POINCIANA	1	K1237	10.7
Lake Wales	POINCIANA	1	K1236	10.8
Lake Wales	POINCIANA	2	K1561	13.0
Lake Wales	POINCIANA	2	K1508	14.4
Lake Wales	POINCIANA	2	K1556	15.1
Lake Wales	POINCIANA	1	K1562	15.6
Lake Wales	POINCIANA	1	K1558	17.8
Lake Wales	POINCIANA NORTH	3	K629	11.1
Lake Wales	POINCIANA NORTH	3	K631	16.8
Seven Springs	PORT RICHEY WEST	1	C205	7.5
Seven Springs	PORT RICHEY WEST	1	C207	8.6

Seven Springs	PORT RICHEY WEST	2	C203	12.3
Seven Springs	PORT RICHEY WEST	3	C209	12.8
Seven Springs	PORT RICHEY WEST	3	C208	13.1
Seven Springs	PORT RICHEY WEST	2	C202	13.8
Seven Springs	PORT RICHEY WEST	3	C210	14.4
Seven Springs	PORT RICHEY WEST	1	C206	15.7
Monticello	PORT ST JOE	2	N55	0.1
Monticello	PORT ST JOE	2	N52	5.1
Monticello	PORT ST JOE	2	N54	6.5
Monticello	PORT ST JOE	2	N53	10.0
Monticello	PORT ST JOE INDUSTRIAL	1	N203	0.6
Monticello	PORT ST JOE INDUSTRIAL	1	N202	8.6
Inverness	RAINBOW SPRINGS	2	A369	9.3
Inverness	RAINBOW SPRINGS	1	A368	9.4
Ocala	REDDICK	2	A35	7.1
Ocala	REDDICK	1	A36	11.1
Ocala	REDDICK	2	A34	16.0
Buena Vista	REEDY LAKE	2	K1102	13.2
Buena Vista	REEDY LAKE	1	K1110	13.8
Buena Vista	REEDY LAKE	1	K1111	14.1
Buena Vista	REEDY LAKE	1	K1104	14.2
Buena Vista	REEDY LAKE	2	K1108	20.0
SE Orlando	RIO PINAR	4	W0971	6.2
SE Orlando	RIO PINAR	1	W0969	10.6
SE Orlando	RIO PINAR	1	W0970	12.1
SE Orlando	RIO PINAR	4	W0973	12.6
SE Orlando	RIO PINAR	1	W0968	14.3
SE Orlando	RIO PINAR	4	W0974	15.2
SE Orlando	RIO PINAR	4	W0972	15.4
SE Orlando	RIO PINAR	1	W0975	15.8
Inverness	ROSS PRAIRIE	3	A112	16.3
Clearwater	SAFETY HARBOR	2	C3523	9.4
Clearwater	SAFETY HARBOR	1	C3518	9.6
Clearwater	SAFETY HARBOR	1	C3528	12.5
Clearwater	SAFETY HARBOR	1	C3525	12.5
Clearwater	SAFETY HARBOR	2	C3521	13.2
Clearwater	SAFETY HARBOR	2	C3524	13.7
Clearwater	SAFETY HARBOR	1	C3527	13.8
Buena Vista	SAND LAKE	2	K928	4.5
Buena Vista	SAND LAKE	1	K920	5.4
Buena Vista	SAND LAKE	3	K925	6.0
Buena Vista	SAND LAKE	2	K934	6.0
Buena Vista	SAND LAKE	2	K922	6.5
Buena Vista	SAND LAKE	1	K937	8.5
Buena Vista	SAND LAKE	2	K929	8.5
Buena Vista	SAND LAKE	3	K931	9.9
Highlands	SAND MOUNTAIN	1	K3201	0.6

Ocala	SANTOS	1	A233	10.5
Ocala	SANTOS	1	A230	10.6
Ocala	SANTOS	2	A231	11.9
Highlands	SEBRING EAST	1	K541	5.0
Highlands	SEBRING EAST	1	K542	5.8
Walsingham	SEMINOLE	2	J891	8.5
Walsingham	SEMINOLE	1	J893	9.0
Walsingham	SEMINOLE	2	J888	11.1
Walsingham	SEMINOLE	2	J889	12.8
Walsingham	SEMINOLE	1	J894	14.5
Walsingham	SEMINOLE	2	J890	16.1
Walsingham	SEMINOLE	1	J895	16.2
Walsingham	SEMINOLE	1	J892	17.0
Seven Springs	SEVEN SPRINGS	4	C4500	8.1
Seven Springs	SEVEN SPRINGS	6	C4502	9.3
Seven Springs	SEVEN SPRINGS	4	C4510	10.3
Seven Springs	SEVEN SPRINGS	6	C4512	10.5
Seven Springs	SEVEN SPRINGS	5	C4507	11.6
Seven Springs	SEVEN SPRINGS	4	C4501	12.0
Seven Springs	SEVEN SPRINGS	5	C4509	15.9
Seven Springs	SEVEN SPRINGS	5	C4508	18.9
Buena Vista	SHINGLE CREEK	2	K868	4.4
Buena Vista	SHINGLE CREEK	1	K860	6.9
Buena Vista	SHINGLE CREEK	2	K858	9.5
Buena Vista	SHINGLE CREEK	1	K861	10.2
Buena Vista	SHINGLE CREEK	2	K855	11.7
Buena Vista	SHINGLE CREEK	2	K863	12.5
Buena Vista	SHINGLE CREEK	1	K857	12.9
Ocala	SILVER SPRINGS	3	A153	11.4
Ocala	SILVER SPRINGS	3	A154	13.6
Ocala	SILVER SPRINGS SHORES	2	A128	5.2
Ocala	SILVER SPRINGS SHORES	1	A130	14.7
Ocala	SILVER SPRINGS SHORES	1	A129	19.3
Ocala	SILVER SPRINGS SHORES	2	A131	19.3
St. Petersburg	SIXTEENTH STREET	2	X32	0.1
St. Petersburg	SIXTEENTH STREET	1	X35	3.7
St. Petersburg	SIXTEENTH STREET	2	X42	5.7
St. Petersburg	SIXTEENTH STREET	1	X33	7.3
St. Petersburg	SIXTEENTH STREET	2	X36	9.9
St. Petersburg	SIXTEENTH STREET	1	X43	9.9
St. Petersburg	SIXTEENTH STREET	1	X45	13.9
St. Petersburg	SIXTEENTH STREET	2	X46	14.6
St. Petersburg	SIXTEENTH STREET	2	X34	16.2
St. Petersburg	SIXTEENTH STREET	1	X31	18.7
SE Orlando	SKY LAKE	1	W0362	7.4
SE Orlando	SKY LAKE	2	W0366	9.3
SE Orlando	SKY LAKE	3	W0367	9.3

SE Orlando	SKY LAKE	1	W0364	9.5
SE Orlando	SKY LAKE	3	W0368	11.4
SE Orlando	SKY LAKE	2	W0365	13.3
SE Orlando	SKY LAKE	3	W0369	14.2
SE Orlando	SKY LAKE	1	W0363	14.4
Monticello	SOPCHOPPY	1	N327	12.1
Lake Wales	SOUTH BARTOW	1	K154	4.9
Ocala	SOUTHERN OAKS	1	A421	3.6
Ocala	SOUTHERN OAKS	1	A420	4.0
Ocala	SOUTHERN OAKS	1	A433	4.1
Ocala	SOUTHERN OAKS	2	A419	5.6
Ocala	SOUTHERN OAKS	2	A417	6.8
Ocala	SOUTHERN OAKS	2	A418	6.8
Longwood	SPRING LAKE	1	M666	6.2
Longwood	SPRING LAKE	2	M663	7.6
Longwood	SPRING LAKE	2	M662	8.1
Longwood	SPRING LAKE	1	M668	8.8
Longwood	SPRING LAKE	1	M667	9.1
Longwood	SPRING LAKE	3	M669	9.2
Longwood	SPRING LAKE	3	M670	9.4
Longwood	SPRING LAKE	2	M664	10.3
Monticello	ST GEORGE ISLAND	1	N234	6.2
Monticello	ST GEORGE ISLAND	1	N233	14.2
Monticello	ST MARKS WEST	2	N331	3.6
Monticello	ST MARKS WEST	2	N336	5.7
Monticello	ST MARKS WEST	1	N332	12.6
Walsingham	STARKEY ROAD	2	J117	8.0
Walsingham	STARKEY ROAD	1	J113	9.9
Walsingham	STARKEY ROAD	2	J115	10.7
Walsingham	STARKEY ROAD	1	J112	11.8
Walsingham	STARKEY ROAD	1	J114	11.8
Walsingham	STARKEY ROAD	2	J118	14.2
Walsingham	STARKEY ROAD	2	J116	14.5
Seven Springs	STATION MORGAN ROAD 230	2	C59	2.3
Seven Springs	STATION MORGAN ROAD 230	2	C54	8.9
Seven Springs	STATION MORGAN ROAD 230	1	C56	9.2
Seven Springs	STATION MORGAN ROAD 230	1	C57	10.7
Seven Springs	STATION MORGAN ROAD 230	2	C52	13.7
Seven Springs	STATION MORGAN ROAD 230	1	C55	16.2
Seven Springs	STATION MORGAN ROAD 230	2	C53	16.7
Highlands	SUN N LAKES	2	K1137	2.8
Highlands	SUN N LAKES	1	K1300	8.1
Highlands	SUN N LAKES	1	K1297	8.9
Highlands	SUN N LAKES	2	K1136	10.1
Highlands	SUN N LAKES	2	K1135	12.4
Highlands	SUN N LAKES	1	K1296	13.3
Jamestown	SUNFLOWER	1	W0469	6.7

Jamestown	SUNFLOWER	2	W0472	9.1
Jamestown	SUNFLOWER	1	W0471	9.4
Jamestown	SUNFLOWER	2	W0473	10.6
Jamestown	SUNFLOWER	1	W0475	11.4
Jamestown	SUNFLOWER	1	W0470	13.1
Jamestown	SUNFLOWER	2	W0474	13.6
Monticello	SUWANNEE DISTRIBUTION	1	N323	2.5
Monticello	SUWANNEE DISTRIBUTION	1	N324	3.3
Monticello	SUWANNEE DISTRIBUTION	2	N325	21.2
SE Orlando	TAFT	1	K1027	4.8
SE Orlando	TAFT	1	K1028	9.0
SE Orlando	TAFT	2	K1023	9.3
SE Orlando	TAFT	2	K1025	10.3
SE Orlando	TAFT	2	K1024	10.7
SE Orlando	TAFT	1	K1026	12.7
Inverness	TANGERINE	2	A264	8.5
Inverness	TANGERINE	2	A263	8.8
Inverness	TANGERINE	2	A262	15.2
Seven Springs	TARPON SPRINGS	2	C301	11.2
Seven Springs	TARPON SPRINGS	1	C306	11.7
Seven Springs	TARPON SPRINGS	2	C302	12.2
Seven Springs	TARPON SPRINGS	1	C308	12.7
Seven Springs	TARPON SPRINGS	2	C303	13.4
Seven Springs	TARPON SPRINGS	1	C304	13.7
Seven Springs	TARPON SPRINGS	2	C305	15.1
Seven Springs	TARPON SPRINGS	1	C307	16.4
Highlands	TAUNTON ROAD	1	K1083	7.3
Highlands	TAUNTON ROAD	1	K1081	10.8
Apopka	TAVARES EAST	1	M580	8.3
Apopka	TAVARES EAST	1	M581	40.7
Walsingham	TAYLOR AVENUE	2	J2901	9.4
Walsingham	TAYLOR AVENUE	2	J2902	9.6
Walsingham	TAYLOR AVENUE	1	J2905	12.0
Walsingham	TAYLOR AVENUE	1	J2906	12.3
Walsingham	TAYLOR AVENUE	2	J2904	14.4
Walsingham	TAYLOR AVENUE	2	J2903	14.8
Walsingham	TAYLOR AVENUE	1	J2907	16.2
St. Petersburg	THIRTY SECOND STREET	1	X23	5.8
St. Petersburg	THIRTY SECOND STREET	1	X24	7.9
St. Petersburg	THIRTY SECOND STREET	1	X25	10.2
St. Petersburg	THIRTY SECOND STREET	2	X26	11.3
St. Petersburg	THIRTY SECOND STREET	3	X29	11.3
St. Petersburg	THIRTY SECOND STREET	2	X28	12.4
St. Petersburg	THIRTY SECOND STREET	2	X27	13.2
St. Petersburg	THIRTY SECOND STREET	3	X37	14.0
St. Petersburg	THIRTY SECOND STREET	1	X22	15.9
St. Petersburg	THIRTY SECOND STREET	3	X30	15.9

Monticello	TRENTON	1	A91	3.0
Monticello	TRENTON	1	A90	14.4
Clearwater	TRI CITY	2	J5038	11.5
Clearwater	TRI CITY	3	J5030	11.6
Clearwater	TRI CITY	3	J5040	12.4
Clearwater	TRI CITY	2	J5036	13.9
Clearwater	TRI CITY	2	J5034	15.6
Clearwater	TRI CITY	3	J5032	16.0
Inverness	TROPIC TERRACE	2	A208	3.9
Inverness	TROPIC TERRACE	1	A212	10.0
Inverness	TROPIC TERRACE	2	A207	11.1
Deland	TURNER PLANT	1	W0764	8.2
Deland	TURNER PLANT	8	W0762	9.7
Deland	TURNER PLANT	1	W0763	10.2
Deland	TURNER PLANT	8	W0761	13.9
Inverness	TWIN COUNTY RANCH	2	A219	6.8
Inverness	TWIN COUNTY RANCH	1	A216	7.4
Inverness	TWIN COUNTY RANCH	2	A218	8.3
Inverness	TWIN COUNTY RANCH	1	A221	8.9
Jamestown	UCF	1	W1014	7.9
Jamestown	UCF	2	W1015	9.2
Jamestown	UCF	2	W1017	9.8
Jamestown	UCF	1	W1013	11.3
Jamestown	UCF	2	W1018	11.4
Jamestown	UCF	1	W1012	11.8
Jamestown	UCF	2	W1016	33.5
Jamestown	UCF NORTH	3	W0940	2.4
Jamestown	UCF NORTH	3	W0988	3.2
Jamestown	UCF NORTH	1	W0942	4.3
Jamestown	UCF NORTH	1	W0989	6.5
Jamestown	UCF NORTH	1	W0983	6.5
Jamestown	UCF NORTH	2	W0981	9.0
Jamestown	UCF NORTH	2	W0992	10.5
Jamestown	UCF NORTH	2	W0982	13.2
Jamestown	UCF NORTH	3	W0994	13.4
Jamestown	UCF NORTH	1	W0980	14.4
Walsingham	ULMERTON	2	J247	3.9
Walsingham	ULMERTON	2	J246	5.6
Walsingham	ULMERTON	1	J241	7.0
Walsingham	ULMERTON	2	J244	8.8
Walsingham	ULMERTON	2	J245	9.2
Walsingham	ULMERTON	1	J248	9.8
Walsingham	ULMERTON	1	J240	10.0
Walsingham	ULMERTON	1	J243	13.5
Walsingham	ULMERTON	1	J242	16.7
Walsingham	ULMERTON WEST	2	J689	5.5
Walsingham	ULMERTON WEST	1	J680	8.9

Walsingham	ULMERTON WEST	2	J692	11.4
Walsingham	ULMERTON WEST	2	J691	12.4
Walsingham	ULMERTON WEST	2	J690	12.7
Walsingham	ULMERTON WEST	1	J682	13.9
Walsingham	ULMERTON WEST	1	J684	15.3
Apopka	UMATILLA	1	M4408	7.7
Apopka	UMATILLA	2	M4405	10.2
Apopka	UMATILLA	1	M4407	22.9
Buena Vista	VINELAND	3	K912	7.0
Buena Vista	VINELAND	2	K909	7.6
Buena Vista	VINELAND	1	K907	7.8
Buena Vista	VINELAND	2	K910	8.0
Buena Vista	VINELAND	3	K919	8.4
Buena Vista	VINELAND	3	K915	8.7
Buena Vista	VINELAND	1	K901	9.5
Buena Vista	VINELAND	2	K904	11.1
Buena Vista	VINELAND	3	K906	12.5
Buena Vista	VINELAND	2	K903	12.8
Buena Vista	VINELAND	1	K913	12.9
Buena Vista	VINELAND	1	K917	16.4
St. Petersburg	VINOY	2	X74	1.8
St. Petersburg	VINOY	2	X75	3.7
St. Petersburg	VINOY	1	X77	4.0
St. Petersburg	VINOY	1	X79	5.5
St. Petersburg	VINOY	1	X76	6.2
St. Petersburg	VINOY	1	X80	7.1
St. Petersburg	VINOY	2	X72	12.8
St. Petersburg	VINOY	2	X71	12.9
St. Petersburg	VINOY	1	X70	14.9
St. Petersburg	VINOY	1	X78	15.8
Walsingham	WALSINGHAM	2	J552	8.9
Walsingham	WALSINGHAM	2	J553	11.0
Walsingham	WALSINGHAM	1	J558	12.5
Walsingham	WALSINGHAM	1	J555	14.2
Walsingham	WALSINGHAM	1	J556	14.3
Walsingham	WALSINGHAM	1	J557	14.6
Walsingham	WALSINGHAM	2	J551	15.2
Walsingham	WALSINGHAM	2	J554	16.0
Monticello	WAUKEENAH	1	N65	5.0
Monticello	WAUKEENAH	1	N64	47.3
Ocala	WEIRSDALE	2	A322	7.4
Ocala	WEIRSDALE	1	A321	13.7
Apopka	WEKIVA	2	M109	6.2
Apopka	WEKIVA	2	M103	6.2
Apopka	WEKIVA	1	M115	6.3
Apopka	WEKIVA	1	M101	6.7
Apopka	WEKIVA	2	M104	7.1

Apopka	WEKIVA	1	M112	8.1
Apopka	WEKIVA	2	M113	8.2
Apopka	WEKIVA	1	M106	9.3
Apopka	WEKIVA	1	M107	9.3
Apopka	WEKIVA	2	M110	11.7
Apopka	WELCH ROAD	1	M543	7.8
Apopka	WELCH ROAD	3	M545	9.4
Apopka	WELCH ROAD	1	M552	9.5
Apopka	WELCH ROAD	3	M554	9.5
Apopka	WELCH ROAD	1	M550	9.7
Apopka	WELCH ROAD	1	M542	12.2
Apopka	WELCH ROAD	3	M548	105.9
Jamestown	WEST CHAPMAN	2	W0705	4.4
Jamestown	WEST CHAPMAN	2	W0702	7.9
Jamestown	WEST CHAPMAN	3	W0703	11.0
Jamestown	WEST CHAPMAN	3	W0700	12.1
Jamestown	WEST CHAPMAN	3	W0708	14.5
Lake Wales	WEST DAVENPORT	1	K1523	10.4
Lake Wales	WEST DAVENPORT	1	K1524	11.5
Lake Wales	WEST DAVENPORT	2	K1521	12.2
Lake Wales	WEST DAVENPORT	2	K1527	13.8
Lake Wales	WEST DAVENPORT	1	K1529	16.0
Lake Wales	WEST DAVENPORT	2	K1526	17.7
Lake Wales	WEST LAKE WALES	2	K871	3.9
Lake Wales	WEST LAKE WALES	2	K866	17.7
Buena Vista	WESTRIDGE	2	K428	5.4
Buena Vista	WESTRIDGE	1	K420	11.6
Buena Vista	WESTRIDGE	2	K421	12.4
Buena Vista	WESTRIDGE	1	K425	14.2
Buena Vista	WESTRIDGE	2	K426	14.2
Buena Vista	WESTRIDGE	2	K429	17.5
SE Orlando	WEWAHOOTEE	1	W1198	2.5
SE Orlando	WEWAHOOTEE	1	W1197	3.1
Monticello	WHITE SPRINGS	2	N375	172.2
Ocala	WILDWOOD CITY	2	A397	6.0
Ocala	WILDWOOD CITY	1	A398	6.8
Ocala	WILDWOOD CITY	2	A396	13.8
Ocala	WILDWOOD CITY	1	A395	16.0
Monticello	WILLISTON	2	A125	8.8
Monticello	WILLISTON	1	A124	15.7
Buena Vista	WINDERMERE	1	K304	8.1
Buena Vista	WINDERMERE	3	K302	9.9
Buena Vista	WINDERMERE	1	K303	14.3
Winter Garden	WINTER GARDEN	2	K201	11.3
Winter Garden	WINTER GARDEN	2	K202	12.3
Winter Garden	WINTER GARDEN	2	K203	13.0
Winter Garden	WINTER GARDEN	1	K206	13.5

Winter Garden	WINTER GARDEN	1	K204	15.8
Winter Garden	WINTER GARDEN	1	K207	17.4
Winter Garden	WINTER GARDEN	1	K205	17.6
Winter Garden	WINTER GARDEN CITRUS	1	K293	1.3
Longwood	WINTER PARK	4	W0014	2.6
Longwood	WINTER PARK	4	W0016	8.3
Longwood	WINTER PARK	4	W0015	11.2
Jamestown	WINTER PARK EAST	3	W0930	7.1
Jamestown	WINTER PARK EAST	1	W0927	11.2
Jamestown	WINTER PARK EAST	3	W0928	12.8
Jamestown	WINTER PARK EAST	1	W0925	13.0
Jamestown	WINTER PARK EAST	1	W0926	13.3
Jamestown	WINTER PARK EAST	3	W0931	14.5
Jamestown	WINTER PARK EAST	3	W0929	16.1
Jamestown	WINTER PARK EAST	1	W0924	18.3
Jamestown	WINTER SPRINGS	1	W0193	7.6
Jamestown	WINTER SPRINGS	1	W0194	9.4
Jamestown	WINTER SPRINGS	3	W0187	10.9
Jamestown	WINTER SPRINGS	2	W0195	11.5
Jamestown	WINTER SPRINGS	1	W0192	11.7
Jamestown	WINTER SPRINGS	3	W0189	12.1
Jamestown	WINTER SPRINGS	2	W0196	12.8
Jamestown	WINTER SPRINGS	3	W0188	14.5
Apopka	WOLF LAKE	1	M563	11.7
Apopka	WOLF LAKE	1	M564	12.7
Winter Garden	WOODSMERE	3	M253	6.8
Winter Garden	WOODSMERE	3	M252	9.3
Winter Garden	WOODSMERE	3	M254	9.7
Winter Garden	WOODSMERE	4	M255	10.0
Winter Garden	WOODSMERE	4	M256	11.6
Buena Vista	WORLD GATEWAY	1	K189	7.8
Buena Vista	WORLD GATEWAY	1	K187	11.7
Apopka	ZELLWOOD	1	M31	7.2
Apopka	ZELLWOOD	2	M34	11.6
Apopka	ZELLWOOD	2	M33	16.5
Apopka	ZELLWOOD	1	M32	25.1
Zephyrhills	ZEPHYRHILLS	2	C853	7.6
Zephyrhills	ZEPHYRHILLS	1	C854	8.4
Zephyrhills	ZEPHYRHILLS	2	C852	10.8
Zephyrhills	ZEPHYRHILLS	1	C855	15.2
Zephyrhills	ZEPHYRHILLS	2	C851	17.1
Zephyrhills	ZEPHYRHILLS	1	C856	19.5
Zephyrhills	ZEPHYRHILLS	1	C857	41.6
Zephyrhills	ZEPHYRHILLS NORTH	2	C345	8.0
Zephyrhills	ZEPHYRHILLS NORTH	1	C344	12.8
Zephyrhills	ZEPHYRHILLS NORTH	2	C340	13.1
Zephyrhills	ZEPHYRHILLS NORTH	2	C341	13.7
Zephyrhills	ZEPHYRHILLS NORTH	1	C343	17.3

Zephyrhills	ZEPHYRHILLS NORTH	1	C342	29.0
Ocala	ZUBER	1	A203	7.6
Ocala	ZUBER	2	A205	10.7
Ocala	ZUBER	2	A204	13.7
Ocala	ZUBER	1	A202	16.8

ATTACHMENT G

2024 FEEDER SPECIFIC DATA

PROVIDED ON CD

ATTACHMENT H

FPSC Formal (15 day/logged) complaints																													
Complaint Category																	2024 Month End Total												2023 YR End
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Jan		Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Total	
Outages - Momentary	18	10	27	15	12	8	6	8	7	15	11	3	5	7		0	1	0	0	0	0	3	1	0	1	1	0	7	
Outages - Frequent	21	29	35	53	38	39	35	77	47	35	22	25	32	51		1	4	10	1	2	2	16	9	4	1	1	0	51	
Outages - Extended	12	2	2	5	5	2	23	10	13	7	2	8	6	7		1	0	0	0	2	2	0	2	0	0	0	0	7	
Voltage	4	0	3	2	3	5	2	3	7	10	2	3	7	5		1	0	1	0	0	1	1	0	0	0	1	0	5	
Equipment/Facilities	12	9	6	5	4	4	10	16	13	12	18	7	15	10		1	1	0	1	1	1	2	0	2	0	0	1	10	
Tree Trimming	11	8	9	9	6	6	6	6	8	7	3	7	7	8		0	2	0	2	0	0	1	0	0	2	1	0	8	
Safety	1	0	2	1	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	
Total	79	58	84	90	68	64	82	120	95	86	58	53	72	88		4	8	11	4	5	6	23	12	6	4	4	1	88	

Received Jan 1 to Dec 31, 2024

DEF logged as Power Quality & Reliability

Date Received	PSC Complaint #	DEF Category	PSC Ruling	PSC Closure Code
2/20/2024	1439423E	Outage	Non-Infraction	GI-15 Outages
2/21/2024	1439461E	Outage	Non-Infraction	GI-15 Outages
2/16/2024	1439252E	Outage	Infraction	ES-06 No Advance Notice of Scheduled Outage
2/7/2024	1438632E	Outage	Non-Infraction	GI-15 Outages
7/17/2024	1451019E	Outage	Non-Infraction	GI-15 Outages
8/6/2024	1452490E	Outage	Non-Infraction	GI-15 Outages
7/16/2024	1450907E	Outage	Non-Infraction	GI-15 Outages
1/22/2024	1437550E	Outage	Non-Infraction	GI-15 Outages
6/24/2024	1449506E	Outage	Non-Infraction	GI-30 Quality of Service
9/3/2024	1454452E	Outage	Non-Infraction	GI-15 Outages
4/4/2024	1442105E	Outage	Non-Infraction	GI-15 Outages
4/12/2024	1442584E	Outage	Non-Infraction	GI-30 Quality of Service
9/9/2024	1454863E	Outage	Non-Infraction	GI-15 Outages
1/11/2024	1437083E	Voltage Problems	Non-	GI-30 Quality of Service
4/5/2024	1442171E	Equipment/Facilities Issues	Non-Infraction	GI-11 Repair Service
6/5/2024	1446869E	Outage	Non-Infraction	GI-15 Outages
7/18/2024	1451175E	Outage	Non-Infraction	GI-15 Outages
1/12/2024	1437135E	Equipment/Facilities Issues	Non-Infraction	GI-11 Repair Service
6/10/2024	1447089E	Outage	Non-Infraction	GI-15 Outages
7/16/2024	1450897E	Outage	Non-Infraction	GI-15 Outages
7/8/2024	1450306E	Equipment/Facilities Issues	Non-Infraction	GI-11 Repair Service
7/1/2024	1450055E	Equipment/Facilities Issues	Non-Infraction	GI-17 Safety Issues
7/8/2024	1450272E	Outage	Non-Infraction	GI-15 Outages
3/25/2024	1441449E	Outage	Non-	GI-15 Outages
3/25/2024	1441470E	Outage	Non-Infraction	GI-15 Outages
3/25/2024	1441431E	Outage	Non-Infraction	GI-15 Outages

Received Jan 1 to Dec 31, 2024

PSC Service Reliability Only Closure Codes

Date Received	PSC Complaint #	DEF Category	PSC Closure Code
2/20/2024	1439423E	Outage	GI-15 Outages
2/21/2024	1439461E	Outage	GI-15 Outages
2/16/2024	1439252E	Outage	ES-06 No Advance Notice of Scheduled Outage
2/7/2024	1438632E	Outage	GI-15 Outages
8/23/2024	1453818E	Disconnect Non-Pay	GI-30 Quality of Service
7/17/2024	1451019E	Outage	GI-15 Outages
8/6/2024	1452490E	Outage	GI-15 Outages
7/16/2024	1450907E	Outage	GI-15 Outages
7/3/2024	1450208E	Renewables	GI-29 Delay in Connection
2/16/2024	1439254E	Orders	GI-29 Delay in Connection
2/23/2024	1439729E	Orders	GI-29 Delay in Connection
3/27/2024	1441664E	Orders	GI-29 Delay in Connection
4/15/2024	1442638E	Orders	GI-29 Delay in Connection
4/29/2024	1443684E	Vegetation Management Distribution	GI-17 Safety Issues
1/22/2024	1437550E	Outage	GI-15 Outages
6/24/2024	1449506E	Outage	GI-30 Quality of Service
9/3/2024	1454452E	Outage	GI-15 Outages
4/10/2024	1442469E	Orders	GI-17 Safety Issues
7/8/2024	1450349E	Right of way/Easement	GI-08 Rules & Tariffs
4/5/2024	1442204E	Disconnect Non-Pay	GI-28 Improper Disconnect
4/4/2024	1442105E	Outage	GI-15 Outages
4/12/2024	1442584E	Outage	GI-30 Quality of Service
9/9/2024	1454863E	Outage	GI-15 Outages
1/11/2024	1437083E	Voltage Problems	GI-30 Quality of Service
7/17/2024	1450973E	Disconnect Non-Pay	GI-28 Improper Disconnect
4/5/2024	1442216E	Disconnect Non-Pay	GI-28 Improper Disconnect

5/14/2024	1444670E	Outage	Non-Infraction	GI-15 Outages	
3/25/2024	1441467E	Voltage Problems	Non-Infraction	GI-17 Safety Issues	
3/25/2024	1441433E	Outage	Non-Infraction	GI-15 Outages	
3/25/2024	1441432E	Outage	Non-Infraction	GI-15 Outages	
3/25/2024	1441448E	Outage	Non-Infraction	GI-15 Outages	
3/25/2024	1441498E	Outage	Non-Infraction	GI-15 Outages	
3/25/2024	1441466E	Outage	Non-Infraction	GI-15 Outages	
3/25/2024	1441427E	Outage	Non-Infraction	GI-15 Outages	
7/19/2024	1451330E	Outage	Non-Infraction	GI-15 Outages	
7/8/2024	1450313E	Outage	Non-Infraction	GI-15 Outages	
5/17/2024	1445020E	Equipment/Facilities Issues	Non-Infraction	GI-30 Quality of Service	
8/8/2024	1452698E	Outage	Non-Infraction	GI-15 Outages	
10/21/2024	1457865E	Outage	Non-Infraction	GI-15 Outages	
5/20/2024	1445102E	Outage	Non-Infraction	GI-15 Outages	
5/13/2024	1444530E	Outage	Non-Infraction	GI-15 Outages	
6/3/2024	1446634E	Equipment/Facilities Issues	Non-Infraction	GI-11 Repair Service	
8/9/2024	1452792E	Outage	Non-Infraction	GI-15 Outages	
7/30/2024	1451786E	Outage	Non-Infraction	GI-15 Outages	
8/7/2024	1452658E	Outage	Non-Infraction	GI-15 Outages	
8/6/2024	1452531E	Outage	Non-Infraction	GI-15 Outages	
7/25/2024	1451691E	Outage	Non-Infraction	GI-15 Outages	
8/6/2024	1452574E	Outage	Non-Infraction	GI-72 3-Day Resolution	
7/26/2024	1451859E	Outage	Non-Infraction	GI-15 Outages	
8/7/2024	1452625E	Outage	Non-Infraction	GI-30 Quality of Service	
8/6/2024	1452570E	Outage	Non-Infraction	GI-30 Quality of Service	
7/30/2024	1451791E	Outage	Non-Infraction	GI-15 Outages	
7/25/2024	1451690E	Outage	Non-Infraction	GI-15 Outages	
7/26/2024	1451849E	Outage	Non-Infraction	GI-15 Outages	
7/25/2024	1451684E	Outage	Non-Infraction	GI-15 Outages	
8/12/2024	1452852E	Lighting	Non-Infraction	GI-25 Improper Billing	
8/6/2024		Outage	Non-Infraction	GI-15 Outages	
7/25/2024	1451688E	Outage	Non-Infraction	GI-15 Outages	

4/5/2024	1442171E	Equipment/Facilities Issues		GI-11 Repair Service	
6/5/2024	1446869E	Outage		GI-15 Outages	
7/18/2024	1451175E	Outage		GI-15 Outages	
1/12/2024	1437135E	Equipment/Facilities Issues		GI-11 Repair Service	
1/3/2024	1436489E	Disconnect Non-Pay		GI-15 Outages	
1/11/2024	1437031E	Disconnect Non-Pay		GI-30 Quality of Service	
6/10/2024	1447089E	Outage		GI-15 Outages	
3/13/2024	1440871E	Rates		GI-30 Quality of Service	
7/16/2024	1450897E	Outage		GI-15 Outages	
1/10/2024	1436871E	Disconnect Non-Pay		GI-30 Quality of Service	
7/8/2024	1450306E	Equipment/Facilities Issues		GI-11 Repair Service	
6/28/2024	1449876E	Renewables		GI-29 Delay in Connection	
4/16/2024	1442748E	Vegetation Management Transmission		GI-18 Tree Trimming	
7/1/2024	1450055E	Equipment/Facilities Issues		GI-17 Safety Issues	
4/22/2024	1443153E	Payment Options		GI-30 Quality of Service	
1/12/2024	1437160E	Orders		GI-29 Delay in Connection	
7/8/2024	1450272E	Outage		GI-15 Outages	
3/25/2024	1441449E	Outage		GI-15 Outages	
3/25/2024	1441470E	Outage		GI-15 Outages	
3/25/2024	1441431E	Outage		GI-15 Outages	
5/14/2024	1444670E	Outage		GI-15 Outages	
3/7/2024	1440560E	Disconnect Non-Pay		GI-08 Rules & Tariffs	
1/5/2024	1436719E	Disconnect Non-Pay		GI-28 Improper Disconnect	
3/25/2024	1441467E	Voltage Problems		GI-17 Safety Issues	
3/25/2024	1441433E	Outage		GI-15 Outages	
3/25/2024	1441414E	Orders		GI-15 Outages	
3/25/2024	1441432E	Outage		GI-15 Outages	
3/25/2024	1441448E	Outage		GI-15 Outages	
7/12/2024	1450694E	Metering		GI-17 Safety Issues	
3/25/2024	1441498E	Outage		GI-15 Outages	
3/25/2024	1441466E	Outage		GI-15 Outages	
3/25/2024	1441427E	Outage		GI-15 Outages	

7/24/2024	1451590E	Outage	Non-Infraction	GI-15 Outages	
8/8/2024	1452694E	Outage	Non-Infraction	GI-15 Outages	
7/25/2024	1451696E	Outage	Non-Infraction	GI-15 Outages	
7/25/2024	1451756E	Outage	Non-Infraction	GI-15 Outages	
7/22/2024	1451372E	Outage	Non-Infraction	GI-15 Outages	
5/22/2024	1445302E	Outage	Non-Infraction	GI-15 Outages	
8/23/2024	1453753E	Outage	Non-Infraction	GI-15 Outages	
2/9/2024	1438486E	Equipment/Facilities Issues	Non-Infraction	GI-11 Repair Service	
3/18/2024	1441056E	Outage	Non-Infraction	GI-15 Outages	
8/26/2024	1453894E	Outage	Non-Infraction	GI-15 Outages	
4/18/2024	1442968E	Lighting	Non-Infraction	GI-15 Outages	
6/7/2024	1446957E	Outage	Non-Infraction	GI-15 Outages	
7/10/2024	1450559E	Voltage Problems	Non-Infraction	GI-11 Repair Service	
6/5/2024	1446853E	Voltage Problems	Non-Infraction	GI-17 Safety Issues	
2/21/2024	1439496E	Outage	Non-Infraction	GI-15 Outages	
1/8/2024	1436781E	Outage	Non-Infraction	GI-15 Outages	
2/20/2024	1439426E	Outage	Non-Infraction	GI-15 Outages	
11/13/2024	1459416E	Outage	Non-Infraction	GI-15 Outages	
11/8/2024	1459220E	Voltage Problems	Non-Infraction	GI-11 Repair Service	
12/3/2024	1460582E	Equipment/Facilities Issues	Non-Infraction	GI-11 Repair Service	
9/25/2024	1456025E	Equipment/Facilities Issues	Non-Infraction	GI-11 Repair Service	
9/18/2024	1455587E	Outage	Non-Infraction	GI-15 Outages	
9/30/2024	1456202E	Outage	Non-Infraction	GI-15 Outages	
9/11/2024	1455107E	Equipment/Facilities Issues	Non-Infraction	GI-11 Repair Service	
10/7/2024	1456698E	Outage	Non-Infraction	GI-15 Outages	
11/5/2024	1459000E	Outage			

3/12/2024	1440786E	Orders		GI-11 Repair Service
7/19/2024	1451330E	Outage		GI-15 Outages
7/8/2024	1450313E	Outage		GI-15 Outages
5/17/2024	1445020E	Equipment/Facilities Issues		GI-30 Quality of Service
8/8/2024	1452698E	Outage		GI-15 Outages
10/21/2024	1457865E	Outage		GI-15 Outages
5/20/2024	1445102E	Outage		GI-15 Outages
5/13/2024	1444530E	Outage		GI-15 Outages
6/3/2024	1446634E	Equipment/Facilities Issues		GI-11 Repair Service
6/3/2024	1446637E	Orders		GI-30 Quality of Service
8/9/2024	1452792E	Outage		GI-15 Outages
7/30/2024	1451786E	Outage		GI-15 Outages
8/7/2024	1452658E	Outage		GI-15 Outages
8/13/2024	1452985E	Energy Protection		GI-30 Quality of Service
8/6/2024	1452531E	Outage		GI-15 Outages
7/25/2024	1451691E	Outage		GI-15 Outages
8/6/2024	1452574E	Outage		GI-72 3-Day Resolution
7/26/2024	1451859E	Outage		GI-15 Outages
8/7/2024	1452625E	Outage		GI-30 Quality of Service
8/6/2024	1452570E	Outage		GI-30 Quality of Service
7/30/2024	1451794E	Vegetation Management Distribution		GI-18 Tree Trimming
7/30/2024	1451791E	Outage		GI-15 Outages
7/25/2024	1451690E	Outage		GI-15 Outages
8/12/2024	1452874E	Orders		GI-08 Rules & Tariffs
7/26/2024	1451849E	Outage		GI-15 Outages
7/25/2024	1451684E	Outage		GI-15 Outages
8/6/2024		Outage		GI-15 Outages
7/25/2024	1451688E	Outage		GI-15 Outages
7/24/2024	1451590E	Outage		GI-15 Outages
8/8/2024	1452694E	Outage		GI-15 Outages
7/25/2024	1451696E	Outage		GI-15 Outages
8/8/2024	1452704E	Orders		GI-29 Delay in Connection
7/25/2024	1451756E	Outage		GI-15 Outages
7/22/2024	1451372E	Outage		GI-15 Outages

[illegible][illegible]

ATTACHMENT I



Stephanie A. Cuello
SENIOR COUNSEL

May 2, 2022

VIA ELECTRONIC FILING

Adam J. Teitzman, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: *2022 Wood Pole Inspection Plan; Docket No. Undocketed*

Dear Mr. Teitzman:

Pursuant to the requirements of Order No. PSC-06-0144-PAA-EI, on behalf of Duke Energy Florida, LLC ("DEF"), please find enclosed for electronic filing, DEF's 2022 Wood Pole Inspection Plan.

Thank you for your assistance in this matter and if you have any questions, please feel free to contact me at (850) 521-1425.

Sincerely,

s/ Stephanie A. Cuello

Stephanie A. Cuello

SAC/mw
Enclosure



Comprehensive Wood Pole Inspection Plan

May 2, 2022

Purpose and Intent of the Plan:

To implement and update a wood pole inspection program that complies with FPSC Order No. PSC-06-0144-PAA-EI issued February 27, 2006 (the “Plan”). The Plan concerns inspection of wooden transmission and distribution poles, as well as pole inspections for strength requirements related to pole attachments. The Plan is based on the requirements of the National Electric Safety Code (“NESC”) and an average eight-year inspection cycle. The Plan provides a detailed program for gathering pole-specific data, pole inspection enforcement, co-located pole inspection, and estimated program funding. This Plan also sets forth pole inspection standards utilized by Duke Energy Florida (“DEF”) that meet or exceed the requirements of the NESC.

The Plan includes the following specific sub-plans:

- Transmission Wood Pole Inspection Plan (“Transmission Plan”).
- Distribution Wood Pole Inspection Plan (“Distribution Plan”).
- Joint Use Wood Pole Inspection Plan (“Joint Use Plan”).

These three inspection sub-plans are outlined and described below. All of these sub-plans will be evaluated on an ongoing basis to address trends, external factors beyond the Company’s control (such as storms and other weather events), and cost effectiveness.

1) Transmission Wood Pole Inspection Plan

A. Introduction

Ground-line inspection programs detect decay and mechanical damage of in-service wood poles. As required, DEF assesses poles and structures for incremental attachments that may create additional loads. Poles that can no longer maintain the safety margins required by the NESC (ANSI C2-2002) will be remediated. The inspections result in one of three or a combination of the following actions: (1) No action required; (2) Repair; (3) Replacement. (DEF’s Transmission Department follows TECP-MIM-TRM-00118, Transmission Wood Structure Inspection Guidelines as assurance of the implementation of the plan.)

B. General Plan Provisions

(i). Pole Inspection Selection Criteria

Transmission performs ground patrols to inspect transmission system line assets to allow for the planning, scheduling, and prioritization of corrective and preventative maintenance work. These patrols assess the overall condition of the assets including insulators, connections, grounding, and signs, as well as an

Comprehensive Wood Pole Inspection Plan

May 2, 2022

assessment of pole integrity. These patrols are done on a four-year cycle. The ground patrol inspections categorize wood poles into four conditions, Priority 0, 1, 2, or 9.

In performing inspection and patrols, the following Transmission Line Wood Poles Inspection State Categories shall apply:

Priority 9 is described as meeting ANY of the conditions listed below and should have a repair work order written:

- The structure or its components need repair or maintenance on non-critical components, however, there is no safety or reliability risk. For example, minor woodpecker holes meeting the following criteria:
 - Woodpecker holes are not located in critical pole locations
 - Woodpecker holes are smaller than “softball” size in diameter and will not hold water

Priority 2 is described as meeting ANY of the conditions listed below and should have a replacement work order written. These poles have a low probability of causing an outage.

- Hammer test or probing at ground-line reveals internal rot, decay, or hollowness with a shell thickness of 2 - 4 inches is found at any location.
- Hammer test or probing at ground-line reveals rot or decay extends 3 or more inches into the pole along more than one-quarter of the pole circumference.
- Contractor “effective diameter” calculations determine the pole has lost more than 33 percent of the original pole strength.
- Hammer test reveals significant shell cracking or soft wood, indicated by sound or caving of the wood.
- Woodpecker holes contain extensive nesting cavities in critical locations, including vicinity of cross-arm, plank-arm, cross-brace, guy, or insulator connections
- Woodpecker holes are extensive and generally at least “softball” sized.
- Pole checks up the pole reveal significant evidence of decay, insect damage, or shell separation, as indicated by caving the pole, sawdust, or sound.
- Longitudinal pole deflection is between 3 – 5 feet.
- Transverse pole deflection is more than 20 degrees.
- Earth washout at the pole base is so substantial that it requires replacement.
- Pole must meet NESC “at replacement” strength requirements, which occurs when at least two-thirds of the original required pole strength remains. This is specified in the NESC Code, Table 26101A, Footnote 2.

Priority 1 is described as meeting ANY of the conditions listed below. This pole should have a replacement work order written and prioritized for replacement.

- Hammer test or probing at ground-line reveals internal rot, decay, or hollowness with a shell thickness of 2 inches or less is found in any location.

Comprehensive Wood Pole Inspection Plan

May 2, 2022

- Hammer test or probing at ground-line reveals rot or decay that extends more than 2 inches into the pole along more than one-quarter of the pole circumference.
- Contractor “effective diameter” calculations determine the pole has lost more than 50 percent of the original pole strength.
- Woodpecker holes extend through the pole and daylight is visible.
- Longitudinal pole deflection exceeds 5 feet.
- Extensive longitudinal cracking exists through critical attachments of the pole
- Earth washout at the pole base compromises the pole integrity.

Priority 0 are immediate Pole Replacements and meet any of the following criteria:

- Structure or equipment issues that have a significant and immediate impact on the health and safety of personnel, the environment, or the general public and require immediate attention.
- These issues pose immediate risks to safety or system integrity.

(ii). Ground-Line Inspections

Ground-line inspections of wood transmission poles are conducted on an average 8-year cycle. This results in, on average, approximately 12.5% of the remaining population of wood poles receiving this type of inspection on an annual basis. (Reference: TECP-MIM-TRM-00118 for inspection requirements.)

Soil excavation requirements

Excavation should only be initiated after it is determined that the sounding test or visual inspection up the pole does not already deem that the pole needs to be replaced. Soil is to be removed around the entire pole to a depth of 12 inches. The hole shall extend at least 4 inches from the pole at the 12-inch depth and 10 inches from the pole at ground-line.

If any sign of decay, soft wood, hollowness, or abnormal coloration is found, the pole is also to be probed or drilled with a suitable tool to ascertain the extend of the deterioration. CCA poles 15 years old or less are not to be excavated unless decay is found during sounding and probing.

Boring requirements

When borings are required a 3/8” diameter boring shall be drilled adjacent to where the most suspected decay is found during the sounding test. If no decay is suspected, the boring shall be taken near the deepest check. If there are no checks the boring shall be taken on either side of the pole in the same direction as the line is facing. The boring shall begin pole entry at ground-line, be taken at a 45-degree angle, and proceed past the center of the pole. If decay pockets are detected, a minimum of two additional borings shall be taken to determine the extent of decay. Any pole with a hollow center shall have the thickness determined with a shell depth indicator. All inspection holes shall be plugged with tightly fitting CCA-treated wood dowels.

Comprehensive Wood Pole Inspection Plan

May 2, 2022

Pole Treatment requirements

Duke Energy no longer treats transmission poles. When poles are found to have decay or are found to be hollow, a replacement work order is created to replace the wood structure with a non-wood replacement.

(iii) Structural Integrity Evaluation

- See Joint Use Pole Inspection Plan, section B, paragraph (ii).

(iv). Records and Reporting

A pole inspection report will be filed with the Florida Public Service Commission by March 1st of each year. The report shall contain the following information:

- 1) A description of the methods used for structural analysis and pole inspection.
- 2) A description of the selection criteria that was used to determine which poles would be inspected.
- 3) A summary report of the inspection data including the following:
 - a. Total number of wood poles in Company inventory. *
 - b. Number of pole inspections planned.
 - c. Number of poles inspected.
 - d. Number of poles failing inspection.
 - e. Pole failure rate (%) of poles inspected.
 - f. Number of poles designated for replacement.
 - g. Total number of poles replaced.
 - h. Number of poles requiring minor follow-up. *
 - i. Number of poles overloaded. *
 - j. Methods of inspection used.
 - k. Number of pole inspections planned for next annual inspection cycle.
 - l. Total number of poles inspected (cumulative) in the 8-year cycle to date.
 - m. Percentage of poles inspected (cumulative) in the 8-year cycle to date.
- 4) A pole inspection report that contains the following detailed information:
 - a. Transmission circuit name.
 - b. Pole identification number.
 - c. Inspection results.
 - d. Remediation recommendation.
 - e. Status of remediation.

*Estimates based on averages and previous years completions.



Comprehensive Wood Pole Inspection Plan

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C. Program Cost and Funding

DEF continues to meet the obligations set forth in Order No. PCS-06-0144-PAA-EI. The number of poles inspected per year will start at approximately 2,100 poles but may vary from year to year depending on previous years' accomplishments.

DEF is currently on track to meet the 8-year cycle requirements. The number of poles inspected may vary year to year depending on the previous year's accomplishments with the intent to complete inspections in the required timeframe. The estimated figures in the chart below are "best estimates," given information and facts known at this time and are subject to change or modification.

Wood Pole Program Cost Estimates

Annual Unit & Cost Estimate		
Cycle		
Years per cycle	8	
Poles inspected per year	2,100	On average; may vary year to year
Assumed poles replaced ⁽¹⁾	5%	Current future projections
O&M Cost		
GL Inspection & Treatment	\$400,000	On average; may vary year to year

Note 1: Assumption is made that approximately 5% of the poles inspected will be identified for replacement.

2) Distribution Wood Pole Inspection Plan

A. Introduction

In accordance with FPSC Order No. PSC-06-0144-PAA-EI, DEF's Distribution Department inspects Company-owned wood poles on an average 8-year cycle. These inspections determine the extent of pole decay and any associated loss of strength. The information gathered from these inspections is used to determine pole replacements and to effectuate the extension of pole life through treatment and reinforcement. Additionally, information collected from the wood pole inspections is used to populate regulatory reporting requirements, provide data for loading analyses, identify other equipment maintenance issues, and used to track the results of the inspection program over time.

B. General Plan Provisions

(i). Ground-line Inspection Purpose

Comprehensive Wood Pole Inspection Plan

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- The ground-line inspection process is the industry standard for determining the existing condition of wood pole assets. This inspection helps to determine extent of decay and the remaining strength of a pole. Ground-line inspections also provide insight into the remaining life of a wood pole.
- The ground-line inspection is performed at the base of the pole because the base is the location of the largest “bending moment,” as well as the area subject to the most fungal decay and insect attack. Assessing the condition of the pole at the base is the most efficient way to effectively treat and restore a wood pole.

(ii). Pole Inspection Process

When a wood distribution pole, other than a CCA pole, is inspected, the tasks listed below will be performed. For a CCA type wood distribution pole less than 16 years of age, the inspection will consist of a visual above ground inspection and sounding with hammer, both procedures are described below. For CCA poles 16 years of age and greater, all inspection methods described below are used. Boring at Ground Line is also performed on type CCA poles when decay is present.

- Above Ground Observations - Visual inspection of the exterior condition of the pole and visual inspection of components hanging from the pole.
- Partial Excavation – The soil is removed around the base of the pole and the pole is inspected for signs of decay.
- Sound with Hammer – The exterior of the pole is tested with a hammer and the inspector listens for “hollowness” of the pole.
- Bore at Ground Line – The pole is bored at a 30-degree angle below the ground line. This inspection method helps to determine internal decay at the base as well as measure the amount of “good wood” left on the interior of the pole.
- Excavate to 18 Inches (Full Ground Line Inspection) – If significant decay is found during the full excavation, the soil is removed 18 inches below ground line. Decay pockets are identified and bored to determine the extent of decay.
- Removal of Surface Decay – Identified areas of decay are removed down to “good wood” using a sharp pick.
- Prioritization of rejected poles – rejected poles shall be assessed on their overall condition and then prioritized accordingly. Generally, these poles will then be replaced in order of priority, from highest to lowest.
- For poles where obstructions, such as concrete encasement, make full excavation impractical DEF will utilize the best economical inspection process in accordance with Order No. PSC-08-0644-PAA-EI issued October 6, 2008.

(iii) Data Collection

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All data collected through the inspection process will be submitted to DEF's Distribution Department in electronic format by inspection personnel. This data will be used to determine effective circumference and remaining strength of the pole. In evaluating pole conditions, deductions shall be made from the original ground line circumference of a pole to account for hollow heart, internal decay pockets, and removal of external decay. The measured effective critical circumference shall be at the point of greatest decay removal in the vicinity of the ground line taking into account the above applicable deductions. A pole circumference calculator shall be used to determine the measured effective critical circumference. To remain in service "as-is," the pole shall meet minimum NESC strength requirements. The measured effective critical circumference will be compared to the applicable minimum acceptable circumference listed in the most current versions of ANSI 05.1-1992, American National Standard for Wood Poles, and NESC-C2-1990(1). Poles below the minimum acceptable circumference shall be rejected and will be marked in the field for replacement.

(iv). Structural Integrity Evaluation

- See Joint Use Pole Inspection Plan, section B, paragraph (i).

(v). Records and Reporting

A pole inspection report will be filed with the Florida Public Service Commission by March 1st of each year. The report shall contain the following information:

- 1) A description of the methods used for structural analysis and pole inspection.
- 2) A description of the selection criteria that was used to determine which poles would be inspected.
- 3) A summary report of the inspection data including the following:
 - a. Total number of wood poles in Company inventory.
 - b. Number of pole inspections planned.
 - c. Number of poles inspected.
 - d. Number of poles failing inspection.
 - e. Pole failure rate (%) of poles inspected.
 - f. Number of poles designated for replacement.
 - g. Total number of poles replaced.
 - h. Number of poles requiring minor follow-up.
 - i. Number of poles overloaded.
 - j. Methods of inspection used.
 - k. Number of pole inspections planned for next annual inspection cycle.
 - l. Total number of poles inspected (cumulative) in the 8-year cycle to date.
 - m. Percentage of poles inspected (cumulative) in the 8-year cycle to date.



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- 4) A pole inspection report that contains the following detailed information:
 - a. Distribution circuit name.
 - b. Pole identification number.
 - c. Inspection results.
 - d. Remediation recommendation.
 - e. Status of remediation.

C. Program Cost and Funding

(i). Poles Program Cost Estimates

DEF continues to successfully meet the obligations set forth in Order No. PSC-06-0144-PAA-EI and continues to inspect poles based on the 8-year cycle as mandated by the FPSC. The number of poles inspected per year is expected to be approximately 100,000 poles but may vary from year to year depending on previous years' accomplishments with the intent to complete inspections in the required timeframe. Funding requirements to meet all aspects of this program will be adjusted from year to year, as well. DEF is currently on track to meet the 8-year cycle requirements.

The estimated figures in the charts below are "best estimates," given information and facts known at this time and are subject to change or modification.

Annual Unit Estimate				
Years per Cycle	# of Wood Poles to be inspected per year	Replacements	Bracing	Treatments
8	100,000	8,500	0	25,600

Annual Cost Estimate							
Yrs per Cycle	O&M Costs		Capital		O&M Total	Capital Total	Program Total Cost
	Inspections and Treatment	Rebanding	Replacements	Braces			
8	\$3,640,000	\$ 0	\$76,805,465	\$0	\$3,640,000	\$76,805,465	\$80,445,465

* Inspection and Treatment costs are not currently split in financials. Best estimates were given knowing cost and estimated numbers for treatments.

Comprehensive Wood Pole Inspection Plan

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3) Joint Use Pole Inspection Plan

A. Introduction

DEF currently has approximately 784,000 joint use attachments on distribution poles and approximately 6,547 joint use attachments on transmission poles. On average, DEF receives approximately 10,000 new attachment requests per year. All new distribution attachment requests are reviewed in the field to assure the new attachments meet NESC and company clearance and structural guidelines. All new transmission attachment requests are reviewed and evaluated to assure the new attachments meet NESC and company clearance and structural guidelines. The information provided below outlines DEF's attachment permitting process and how DEF intends to gather structural information on certain existing joint use poles over an average 8-year inspection cycle to meet the obligations set forth in Order No. PCS-06-0144-PAA-EI.

B. General Plan Provisions

(i). Structural Analysis for a Distribution Pole New Joint Use Attachment

When the Joint Use Department receives a request to attach a new communication line to a distribution pole, the following is done to ensure that NESC clearance and loading requirements are met before permitting the new attachment:

- Each pole is field inspected, and the attachment heights of all electric and communication cables and equipment are collected. The pole number, pole size and class (type) are noted as well as span lengths of cables and wires on all sides of the pole.
- For each group of poles in a tangent line, the pole that has the most visible loading, line angle and longest or uneven span length is selected to be modeled for wind loading analysis.
- The selected pole's information is loaded into a software program called "SPIDA CALC" from IJUS. The pole information is analyzed and modeled under the NESC Light District settings of 9psf, no ice, 30° F, at 60 MPH winds to determine current loading percentages.
- If that one pole fails, the next worst-case pole in that group of tangent poles is analyzed as well.
- Each pole is analyzed to determine existing pole loading and the proposed loading with the new attachment.
- If the existing analysis determines the pole is overloaded, a work order is issued to correct the overload. The remedy may include replacing the pole with a larger class pole. If the pole fails only when the new attachment is considered, a work order estimate is made and presented to the communication company wishing to attach.
- The results of the analysis and the new attachment are entered into the MY WORLD system.

(ii). Structural Analysis for a Transmission Pole New Joint Use Attachment

Comprehensive Wood Pole Inspection Plan

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When the Joint Use Department receives a request to attach a new communication line to a transmission structure with distribution underbuilt, the following will be done to ensure that NESC clearance and loading requirements are met before permitting the new attachment:

- The attachment heights of all electric and communication cables and equipment are collected. The pole number, pole size and class (type) are noted as well as span lengths of cables and wires on all sides of the pole.
- All structure information is modeled by transmission line engineering in PLS-CADD software for structural analysis.
- Line Engineering uses a most conservative approach by grouping the structures per request by “worst-case.” The structure rating, material type, line angle, and span lengths are used to determine the most conservative approach.
- The selected structure information is loaded into the PLS-CADD software. NESC criteria is used and determined based on the pole location, rating of the line, and year of installation.
- Each structure is analyzed using a pass/fail approach with the existing pole loading and the proposed loading with the new attachment. If a structure fails in a specific grouping, the attachment request is denied for those grouped structures. If the most conservative structure passes, the next “worst-case” structure is then analyzed per grouping.
- If the existing analysis determines the structure is overloaded, this information is shared with maintenance and the wood pole replacement team to determine if the structure may need to be replaced or is in a replacement plan.
- If the structure is replaced, the GIS database is updated and an engineering change request (ECR) is created to reflect the date the new structure was installed.

(iii). Analysis of Existing Joint Use Attachments on Distribution Poles

There are approximately 784,000 joint use attachments on approximately 515,000 distribution poles in the DEF system. All distribution poles with joint use attachments will be inspected on an average 8-year audit cycle to determine existing structural analysis for wind loading. These audits will start at the sub-station where the feeder originates. For each group of poles in a tangent line, the pole that has the most visible loading, line angle, and longest or uneven span length will be selected to be modeled for wind loading analysis. Each pole modeled will be field inspected. The attachment heights of all electric and communication cables and equipment will be collected. The pole age, pole type, pole number, pole size / class, span lengths of cables and wires, and the size of all cables and wires on all sides of the pole will be collected.

The selected pole’s information will then be loaded into a software program called “SPIDA CALC” from IJUS. The pole information will be analyzed and modeled under the NESC Light District settings of 9psf, no ice, 30° F, at 60 MPH winds to determine current loading percentages. If that one pole fails, the next worst-case pole in that group of tangent poles will be analyzed as well. Each pole analyzed

Comprehensive Wood Pole Inspection Plan

May 2, 2022

will determine the existing pole loading of all electric and communication attachments on that pole. If the existing analysis determines the pole is overloaded, a work order will be issued to correct the overload. The remedy may include replacing the pole with a larger class pole. Should the original pole analyzed meet the NESC loading requirements, all similar poles in that tangent line of poles will be noted as structurally sound and entered into the database as “PASSED” structural analysis. Poles rated at 100% or lower will be designated as “PASSED.” Poles that are analyzed and determined to be more than 100% loaded will be designated as “FAILED,” and corrected. If the pole is changed out, the GIS database will be updated to reflect the date the new pole was installed.

(iv). Analysis of Existing Joint Use Attachments on Transmission Poles

The following analysis will be completed to ensure that NESC clearance and loading requirements are met in the event existing attachments are found that were not included in the Section B. (ii) Structural Analysis for New Joint Use Attachments:

- The attachment heights of all electric and communication cables and equipment are collected. The pole number, pole size and class (type) are noted as well as span lengths of cables and wires on all sides of the pole.
- All structure information is modeled by transmission line engineering in PLS-CADD software for structural analysis.
- Line Engineering uses a most conservative approach by grouping the structures of a given circuit by “worst-case.” The structure rating, material type, line angle, and span lengths are used to determine the most conservative approach.
- The selected structure information is loaded into the PLS-CADD software. NESC criteria is used and determined based on the pole location, rating of the line, and year of installation.
- Each structure is analyzed using a pass/fail approach with the existing pole loading. If a structure fails in a specific grouping, the wood pole replacement team and maintenance group are notified to determine if the structure may need to be replaced or is in the replacement plan. If the most conservative structure passes, the next “worst-case” structure is then analyzed per grouping.
- If the structure is replaced, the GIS database is updated and an engineering change request (ECR) is created to reflect the date the new structure was installed.

(v). Records and Reporting

A pole inspection report will be filed with the Florida Public Service Commission by March 1st of each year. The report shall contain the following information:

- 1) A description of the methods used for structural analysis and pole inspection.
- 2) A description of the selection criteria that was used to determine which poles would be inspected.



Comprehensive Wood Pole Inspection Plan

May 2, 2022

- 3) A summary report of the inspection data including the following:
- a. Number of poles inspected.
 - b. Number of poles not requiring remediation.
 - c. Number of poles requiring remedial action.
 - d. Number of poles requiring minor follow up.
 - e. Number of poles requiring a change in inspection cycle.
 - f. Number of poles that were overloaded.
 - g. Number of inspections planned.

C. Program Cost and Funding

(i). Pole Analysis Funding

As stated above, there are currently approximately 784,000 joint use attachments on approximately 515,000 distribution poles and approximately 6,547 joint use attachments on transmission poles. DEF will analyze the “worst case” poles in a tangent line of similar poles as deemed appropriate during field inspections.

In order to meet the obligations, set forth in Order No. PCS-06-0144-PAA-EI, DEF requires incremental funding annually to successfully gather data and enter it into the required reporting format. See calculation that follows. The estimated figures in these charts are “best estimates,” given information and facts known at this time and are subject to change or modification.

Annual Unit & Cost Estimate									
Distribution poles with joint use	Annual inspected (8-yr cycle)	10% of Distribution poles analyzed	1% of Distribution poles replaced	Transmission poles with joint use	Annual inspected (8-yr cycle)	30% of Transmission poles analyzed	10% of Transmission poles replaced	Total cost to analyze poles (O&M)	Total cost to replace poles (capital)
515,000	63,750	6,375	191	6547	818	245	81	\$607,183	\$505,600

ATTACHMENT J



Stephanie A. Cuello
SENIOR COUNSEL

February 28, 2025

VIA ELECTRONIC FILING

Adam J. Teitzman, Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: *2024 Annual Wood Pole Inspection Report; Undocketed*

Dear Mr. Teitzman:

Pursuant to Order Numbers PSC-06-0144-PAA-EI and PSC-07-0918-PAA-PU, please find attached, Duke Energy Florida, LLC's ("DEF") Annual Wood Pole Inspection Report for CY 2024. This information is also contained in DEF's 2024 Annual Service Reliability Report dated February 28, 2025.

Thank you for your assistance in this matter and if you have any questions, please feel free to contact me at (850) 521-1425.

Sincerely,

/s/ Stephanie A. Cuello

Stephanie A. Cuello

SAC/clg
Attachments

cc: Penelope Buys, FPSC Division of Engineering

Duke Energy Florida (Distribution) Annual Wood Pole Inspection Report (Reporting Year 2024)

a	b	c	d	e	f	g	h	i	j	k	l	m
Total # of Wooden Poles in the Company Inventory	# of Pole Inspections Planned this Annual Inspection	# of Poles Inspected this Annual Inspection	# of Poles Failing Inspection this Annual Inspection	Pole Failure Rate (%) this Annual Inspection	# of Poles Designated for Replacement this Annual Inspection	Total # of Poles Replaced this Annual Inspection	# of Poles Requiring Minor Follow-up this Annual Inspection	# of Poles Overloaded this Annual Inspection	Method(s) V = Visual E = Excavation P= Prod S = Sound B= Bore	# of Pole Inspections Planned for Next Annual Inspection Cycle	Total # of Poles Inspected (Cumulative) in the 8-Year Cycle To Date	% of Poles Inspected (Cumulative) in the 8-Year Cycle To Date
814,682	100,000	90,328	277	0.31%	277	7,831	4,653	N/A	V, E, S, B, P	105,608	299,554	36.77%
If b - c > 0, provide explanation		N/A										
If d - g > 0, provide explanation		N/A										
Description of selection criteria for inspections		Poles for inspection in 2024 were chosen based on geographic location to commence cycle 3.										

- Poles noted in column (d) are for ground line rejects only. Additional poles are replaced based on pole top issues, but are not included in this number.
- Failure rate in column (e) is for ground line rejects only.

Duke Energy Florida (Transmission) Annual Wood Pole Inspection Report (Reporting Year 2024)

[illegible]

Duke Energy Florida
CCA Pole Sampling Results (Less than 16 Years of Age)
(Reporting Year 2024)

[illegible]

ATTACHMENT K

2024 DEF DISTRIBUTION POLE INSPECTION
DATA PROVIDED ON CD

ATTACHMENT L



Comparison of Historical Trends
Overhead vs. Underground (Adjusted Data)

OVERHEAD INDICES												
SAIDI	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
	73.3	74.0	64.9	60.7	62.4	66.6	63.8	71.2	82.5	76.3	63.3	78.9
SAIFI												
	1.125	1.155	1.068	0.992	0.986	1.015	0.944	0.986	1.140	0.987	0.880	1.017
CAIDI												
	65.2	64.0	60.8	61.2	63.3	65.6	67.6	72.2	72.3	77.4	71.9	77.6
L-Bar												
	102.3	101.3	102.1	105.2	106.7	109.7	104.9	115.6	112.7	125.8	112.7	118.4
UNDERGROUND INDICES												
SAIDI	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
	14.7	11.8	12.0	13.5	12.5	11.9	12.0	11.6	10.8	10.6	10.1	10.2
SAIFI												
	0.130	0.111	0.122	0.120	0.107	0.112	0.104	0.092	0.086	0.082	0.075	0.075
CAIDI												
	112.9	106.2	98.7	112.8	116.6	105.6	115.2	125.9	126.0	129.8	134.0	136.0
L-Bar												
	145.8	141.3	143.7	156.5	155.4	157.2	161.2	169.4	161.3	176.0	182.0	181.3

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
74.9	69.9	75.1	72.5	88.2	77.7	76.3	64.7	74.0	70.9	61.9

1.011	0.914	0.918	0.858	0.946	0.883	0.854	0.762	0.843	0.861	0.776

74.1	76.5	81.8	84.5	93.3	88.1	89.4	85.0	87.8	82.3	79.7

119.3	122.4	127.5	132.6	136.6	137.3	142.6	134.0	147.1	159.8	174.7

2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
10.2	9.8	9.9	10.2	10.4	12.7	11.6	10.5	11.2		8.1

0.075	0.070	0.065	0.066	0.067	0.089	0.086	0.082	0.086		0.057

137.3	140.0	151.0	153.5	154.1	143.1	134.9	128.1	130.7		142.3

177.8	171.1	179.2	183.7	178.0	176.8	183.0	175.1	184.5		243.7

ATTACHMENT M



OVERHEAD/UNDERGROUND RELIABILITY (OH/UG) (Initiative 7)
Section D

2024				
OVERHEAD METRICS	# OF Miles	CMI	CI	L-Bar
	34,327	124,707,755	1,565,032	174.7

UNDERGROUND METRICS	# OF Miles	CMI	CI	L-Bar
	25,451	16,262,728	114,298	243.7