Stephanie A. Cuello
SENIOR COUNSEL

March 1, 2023

VIA ELECTRONIC FILING

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

Re: *2022 Annual Service Reliability Report; Undocketed*

Dear Mr. Teitzman:

Please find attached for electronic filing on behalf of Duke Energy Florida, LLC ("DEF"), its 2022 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/mw
Attachments

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

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2022 Year End Customers Served by Region

Zone/Regions	3 Char OP	Op Center	Cust Served	Date
NORTH CENTRAL	APK	APOPKA	107,586	12/31/2022
	DEL	DELAND	88,258	12/31/2022
	JAM	JAMESTOWN	142,116	12/31/2022
	LNG	LONGWOOD	93,327	12/31/2022
			431,287	
NORTH COASTAL	INV	INVERNESS	80,905	12/31/2022
	MON	MONTICELLO	57,905	12/31/2022
	OCA	OCALA	86,838	12/31/2022
	SEV	SEVEN SPRINGS	201,604	12/31/2022
	ZEP	ZEPHYRHILLS	28,222	12/31/2022
			455,474	
SOUTH CENTRAL	BNV	BUENA VISTA	141,441	12/31/2022
	CLR	CLERMONT	41,214	12/31/2022
	HIL	HIGHLANDS	56,703	12/31/2022
	LKW	LAKE WALES	133,619	12/31/2022
	SEO	SE ORLANDO	98,492	12/31/2022
	WGN	WINTER GARDEN	88,614	12/31/2022
			560,083	
SOUTH COASTAL	CLW	CLEARWATER	147,441	12/31/2022
	STP	ST. PETERSBURG	181,683	12/31/2022
	WAL	WALSINGHAM	154,229	12/31/2022
			483,353	
SYSTEM			**1,930,197**	

I. OVERALL RELIABILITY PERFORMANCE – 2022 (Rule 25-6.0455, F.A.C.)

a. Discuss overall performance absent adjustments

In 2022, Duke Energy Florida, LLC ("DEF" or "the Company") experienced 7 different tornados as well as Hurricane Ian and Hurricane Nicole. Starting prior to storm season in 2022, there were 5 tornados, one on January 16th resulting in 0.06 SAIDI minutes, two (2) on March 12th resulting in 0.55 SAIDI minutes and 0.08 SAIDI minutes, one on May 6th resulting in 0.10 SAIDI minutes, and one on May 31st resulting in 0.20 SAIDI minutes. Once hurricane season concluded, there were two (2) additional Tornados on December 15th resulting in 0.20 SAIDI minutes *0.03 SAIDI minutes*. From September 28th to October 3rd, DEF experienced the impacts of Hurricane Ian which accounted for 733.68 SAIDI minutes. From November 9th to November 11th, DEF experienced the impacts of Hurricane Nicole which accounted for 45.30 SAIDI minutes.

Year	*2017*	*2018*	*2019*	*2020*	*2021*	*2022*
Weather Excluded SAIDI	*2469.0*	*105.4*	*3.2*	*21.0*	*5.4*	*780.18*

In 2022, DEF was significantly impacted by weather events that qualified for exclusions, increasing DEF's unadjusted SAIDI by 41% above the prior 5-year average primarily due to Hurricanes Ian and Nicole. Though impact from extreme weather was higher in 2022, DEF continues to improve its reliability by concentrating on its Storm Protection Plan as well as through its maintenance programs to prepare its system for these types of events.

Year	*2017*	*2018*	*2019*	*2020*	*2021*	*2022*
Reported SAIDI	*2572.9*	*226.3*	*111.3*	*124.8*	*95.5*	*879.9*

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.

In 2022, DEF continued to utilize the IEEE method for internal business goal reporting, due to integrated business practices. DEF uses the IEEE Methodology (2.5 Beta) for calculating the reliability indices. This is also the way DEF measures reliability for incentive goals. DEF will continue tracking PSC indices which are reported at year-end. The IEEE Method is the industry standard for reliability measurement and comparison.

DEF continued the practice of auditing outage data to ensure accuracy and using Outage Management System Reconciliation (OMSR) as a platform which allows outage data to be captured in greater detail.

In 2022, DEF conducted analysis and reviewed reliability data that met certain operational thresholds in order to reduce the number of outages and momentary interruptions. From 2021 to 2022, DEF had a 9% decrease in the number of MAIFIe 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 2022 adjusted performance results, please see pages 16-25.

FLORIDA PUBLIC SERVICE COMMISSION
ANNUAL DISTRIBUTION SERVICE RELIABILITY REPORT – ACTUAL

PART I

CAUSES OF OUTAGE EVENTS – ACTUAL **(Absent Adjustments)**

Utility Name: Duke Energy Florida Year: **2022**

Cause (a)	Customer Minutes Of Interruption	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
1. Animals	4,648,980	4,299	85.1	68.6
2. Vegetation	258,729,317	12,071	523.9	432.7
3. Lightning	6,428,711	1,815	153.7	104.3
4. Other Weather	1,245,184,325	14,378	1558.4	1086.7
5. Vehicle	11,489,297	372	261.0	105.9
6. Defective Equipment	91,158,371	12,955	238.8	146.3
7. Unknown	7,936,395	1,606	169.4	67.3
Subtotal	1,625,575,396	47,496	691.4	597.0
All Other Causes *See Attached	72,803,192	16,850	176.8	76.5
System Totals	1,698,378,588	64,346	556.7	462.2

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: **2022**

Cause (a)	Customer Minutes Of Interruption	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Emergency Shutdown-PGN	19,431,499	2,463	115.1	55.0
Human Error-Public	10,489,655	580	206.2	258.3
U/G Primary Cable	9,729,969	893	333.2	144.6
Line Maintenance	7,693,278	6,732	134.5	123.2
Miscellaneous	3,521,639	635	285.1	636.9
Dig-In	2,883,252	232	228.6	131.2
U/G Secondary/Service	2,258,436	3,981	223.6	282.9
Substation-Vandalism	1,804,183	40	26.5	24.3
Substation-Animal	1,752,001	21	62.1	46.3
Right-Of-Way	1,639,675	32	58.2	34.3
Foreign Material In Line	1,446,640	88	561.0	371.7
Overload	1,276,463	110	156.7	95.6
Substation-Transformer Failure	1,078,191	10	57.6	52.8
Substation-Breaker Failure	1,064,004	12	74.2	47.7
Human Error-PGN	848,442	307	86.8	59.7
Relay-Setting Error	662,961	11	66.8	48.3
Transmission-Lightning	527,240	10	71.3	46.7
Substation-Human Err-Contractr	506,112	15	19.1	17.2
O/H Secondary Cable	488,345	337	272.6	437.6
Transmission-Human Err-Public	449,820	4	45.1	45.0
Transmission-Animal	406,522	4	86.2	86.0
Transmission-Conductor/Static	397,606	2	441.6	257.7
Human Error-PGN Contractor	374,768	143	131.1	28.4
Equipment Misapplication	254,218	42	470.4	172.2
Transmission-Tree-Nonprevent	230,541	2	210.7	134.7
Substation-Lightning	211,801	3	70.1	60.8
Improper Installation	201,414	30	125.4	72.0
Construction Equipment	168,514	29	138.2	88.9
Substation-Unknown	148,235	10	20.2	14.0

CAUSES OF OUTAGE EVENTS – **(Absent Adjustments)**

Utility Name: Duke Energy Florida Year:**2022**

All Other Causes Cause (a)	Customer Minutes Of Interruption	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
Transmission-Ground/Guy	144,661	2	428.1	68.2
Transmission-Defective Equip	141,418	4	95.9	51.8
Transmissn-Human Err-Contractr	109,529	7	6.7	7.0
Substation-Defective Equipment	101,384	5	191.4	48.9
Substation-Breaker-Preventable	54,548	1	78.5	34.0
Transmission-Pole Rot	49,151	1	23.3	23.0
Substation-Bushing-Failure	47,817	1	23.4	23.0
Substation-Misoperation Switch	47,360	1	19.8	20.0
Substation-Switch Error-Sub	43,712	3	7.8	8.0
Transmission-Crossarm Failure	30,652	1	82.5	23.7
Transmission-Vandalism	23,030	4	5.5	5.0
Substation-Storm	16,728	1	41.2	41.0
Substation-Current Transformer	16,485	1	7.3	7.0
Vandalism	12,909	33	170.2	104.1
Substation-Breaker-Nonprevent	7,540	1	52.3	52.0
Transmission-Unknown	7,438	4	1.7	2.0
Substation-Human Error-PGN	3,406	2	1.4	1.4
All Other Causes	72,803,192	16,850	176.8	76.5

PART II

THREE PERCENT FEEDER LIST - ACTUAL (UNADJUSTED)

Utility Name: Duke Energy Florida ___Year: **2022**

Primary Circuit Id. No. or Name (a)	Sub-station Origin (b)	Location (c)	Number of Customers					Outage Events "N" (i)	Avg Duration "L-Bar" (j)	CAIDI (k)	Listed Last Year? (l)	No. of Years in the Last 5 (m)	Corrective Action Completion Date (n)
			Residential (d)	Commercial (e)	Industrial (f)	Other (g)	Total (h)						
W0904	BARBERVILLE	DELAND	1,018	140	-	15	1,173	10	347.9	133.0	N	-	12/31/23
M451	BAY RIDGE	APOPKA	1,744	237	2	21	2,004	10	190.2	149.8	N	-	6/30/23
M657	MYRTLE LAKE	LONGWOOD	856	62	-	4	922	9	339.0	229.1	N	-	12/31/23
W0034	DELEON SPRINGS	DELAND	1,298	172	1	17	1,488	8	560.0	337.9	Y	1	6/30/23
K1556	POINCIANA	LAKE WALES	1,449	288	-	27	1,764	8	1,527.9	582.2	N	-	12/31/23
A35	REDDICK	OCALA	452	158	2	26	638	8	225.0	150.8	N	-	6/30/23
W0902	BARBERVILLE	DELAND	1,174	403	1	37	1,615	7	275.4	115.8	N	3	6/30/23
W0408	CONWAY	SE ORLANDO	1,627	119	-	15	1,761	7	235.9	182.8	N	-	12/31/23
C853	ZEPHYRHILLS	ZEPHYRHILLS	2,016	63	-	11	2,090	7	86.0	35.5	N	-	12/31/23
W0764	TURNER PLANT	DELAND	1,140	215	-	21	1,376	6	642.3	295.8	N	-	12/31/23
N67	MONTICELLO	MONTICELLO	1,348	306	-	51	1,705	6	199.3	51.9	Y	2	6/30/23
W0630	HOLOPAW	SE ORLANDO	681	99	2	19	801	6	277.1	282.1	N	-	12/31/23
M445	BAY RIDGE	APOPKA	658	164	1	10	833	6	116.3	56.4	N	3	6/30/23
A154	SILVER SPRINGS	OCALA	764	175	4	22	965	6	100.9	51.6	N	-	6/30/23
N9	PERRY	MONTICELLO	885	231	23	52	1,191	5	84.6	38.3	N	1	6/30/23
W0174	OVIEDO	JAMESTOWN	1,750	192	2	29	1,973	5	1,425.1	2,755.6	N	-	12/31/23
N323	SUWANNEE DISTRIBUTION	MONTICELLO	65	23	-	2	90	5	69.5	68.3	Y	2	6/30/23
M1763	NORTH LONGWOOD	LONGWOOD	1,526	82	2	20	1,630	5	1,039.7	775.0	N	-	12/31/23
M1138	EATONVILLE	LONGWOOD	205	286	17	5	513	5	271.9	92.5	N	-	12/31/23
M1137	EATONVILLE	LONGWOOD	527	414	35	16	992	5	436.6	99.6	N	-	12/31/23
K757	LAKE PLACID	HIGHLANDS	807	165	2	18	992	5	651.8	81.3	N	-	12/31/23
M572	ALTAMONTE	LONGWOOD	1,548	332	15	50	1,945	5	1,609.4	605.6	N	-	12/31/23
K8	DAVENPORT	LAKE WALES	2,236	103	-	4	2,343	5	1,030.2	300.7	N	1	6/30/23
M707	PLYMOUTH SOUTH	APOPKA	1,593	121	3	19	1,736	5	74.3	32.4	N	-	12/31/23
J409	LARGO	CLEARWATER	2,019	188	1	3	2,211	5	554.8	679.0	N	-	12/31/23
C900	EAST CLEARWATER	CLEARWATER	1,899	73	-	11	1,983	5	81.1	92.2	N	-	12/31/23
K1032	EAST LAKE WALES	LAKE WALES	1,446	152	-	18	1,616	5	1,520.0	1,159.2	N	1	6/30/23
A195	ARCHER	MONTICELLO	385	74	1	18	478	5	171.0	65.0	N	-	12/31/23
A38	MARTIN	OCALA	1,523	249	-	21	1,793	5	229.1	90.3	N	3	6/30/23
C903	EAST CLEARWATER	CLEARWATER	489	106	2	11	608	5	46.3	28.3	N	-	6/30/23
W0952	BITHLO	JAMESTOWN	746	67	-	8	821	4	3,406.0	543.0	Y	1	6/30/23
X101	FIFTY-FIRST STREET	ST. PETERSBURG	1,601	130	1	6	1,738	4	253.0	123.4	N	-	12/31/23
W0382	ORANGE CITY	DELAND	1,466	161	1	19	1,647	4	777.9	118.6	N	-	12/31/23
X31	SIXTEENTH STREET	ST. PETERSBURG	3,472	327	-	44	3,843	4	402.3	232.1	N	-	12/31/23
W0703	WEST CHAPMAN	JAMESTOWN	1,422	31	-	5	1,458	4	607.6	216.0	N	-	12/31/23
W0954	BITHLO	JAMESTOWN	2,036	102	-	11	2,149	4	79.1	79.0	N	-	12/31/23
K204	WINTER GARDEN	WINTER GARDEN	2,151	193	-	35	2,379	4	945.3	686.4	N	-	12/31/23
K3221	DESOTO CITY	HIGHLANDS	236	92	-	11	339	4	2,733.1	888.0	N	-	12/31/23
M453	BAY RIDGE	APOPKA	1,527	107	-	20	1,654	4	91.3	7.4	N	-	12/31/23
K1688	DINNER LAKE	HIGHLANDS	747	163	2	47	959	4	486.0	297.4	N	1	6/30/23
K19	HAINES CITY	LAKE WALES	537	107	13	31	688	4	2,715.1	1,808.3	N	1	6/30/23
K866	WEST LAKE WALES	LAKE WALES	906	218	4	26	1154	4	2,368.0	971.2	N	1	6/30/23

LBAR AND CAIDI Includes all devices.

PSC/ECR 102 (8/06)

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

SYSTEM RELIABILITY INDICES – ACTUAL (ABSENT ADJUSTMENTS)					
Utility Name: Duke Energy Florida Year: 2022					
District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFIe (e)	CEMI5 (f)
North Coastal	**1547.3**	**691.3**	**2.2**	**4.2**	**5.29%**
Inverness	1099.7	506.0	2.2	4.2	1.92%
Monticello	2348.0	746.0	3.1	3.6	5.09%
Ocala	1249.5	689.3	1.8	3.8	9.84%
Seven Springs	1759.8	837.2	2.1	4.2	0.48%
Zephyrhills	232.5	119.1	2.0	6.1	35.63%
South Coastal	**171.2**	**96.9**	**1.8**	**3.9**	**1.56%**
Clearwater	252.1	107.2	2.4	4.7	2.82%
St. Petersburg	385.5	170.8	2.3	4.0	1.25%
Walsingham	139.4	102.7	1.4	3.2	0.71%
North Central	**562.5**	**113.4**	**5.0**	**5.0**	**4.88%**
Apopka	1025.4	601.9	1.7	5.2	5.28%
Deland	471.5	443.3	1.1	5.3	8.67%
Jamestown	398.3	304.0	1.3	4.8	3.11%
Longwood	2430.6	800.2	3.0	4.9	3.55%
South Central	**1390.3**	**753.7**	**1.8**	**4.2**	**2.44%**
Buena Vista	921.0	529.2	1.7	3.3	0.40%
Clermont	868.0	481.9	1.8	4.1	0.27%
SE Orlando	725.7	405.2	1.8	6.5	7.08%
Highlands	744.0	346.2	2.1	5.3	3.91%
Lake Wales	947.5	535.6	1.8	3.4	3.02%
Winter Garden	447.2	303.2	1.5	3.6	0.88%
System	**879.9**	**462.2**	**1.90**	**4.30**	**3.44%**

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

a. Discuss <u>each</u> generation event that resulted in customer outages.

There were no events to report for 2022.

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 2022 service reliability data for each generation outage event that is excluded from your Company's 2022 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 Form 103 below.

PART I

CAUSES OF OUTAGE EVENTS – ADJUSTED

Utility Name: Duke Energy Florida, LLC Year: **2022**

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 <u>each</u> transmission event that resulted in customer outages.

See Attachment A – "DEF Transmission Outages 2022 - Major Events Excluded."

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

See Attachment A – "DEF Transmission Outages 2022 - 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 2022 service reliability data for each transmission outage event that is excluded from your Company's 2022 Annual Distribution Reliability Report pursuant to Rule 25-6.0455.

This information is reflected in Attachment B – "DEF Transmission Outages 2022 - 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 Metrological Information	Performance of Overhead and Underground Systems
1/16/2022 - 4:00 AM to 4:59 AM	Tornado	Unknown Wind Speed	Monticello	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
3/12/2022 - 7:00 AM to 9:59 AM	Tornado	Unknown Wind Speed	Inverness Ocala	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
3/12/2022 - 11:00 AM to 11:59 AM	Tornado	Unknown Wind Speed	Highland	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
5/6/2022 - 5:00 PM to 7:59 PM	Tornado	Unknown Wind Speed	Monticello	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
5/31/2022 6:00 PM to 6:59 PM	Tornado	Unknown Wind Speed	Seven Springs	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
9/28/2022 0:00 AM to 10/3/2022 23:59 PM	Hurricane Ian	155 mph	All Ops Centers	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
11/9/2022 0:00 AM to 11/11/2022 23:59 PM	Hurricane Nicole	155 mph	All Ops Centers	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
12/15/2022 10:00 AM to 11:59 AM	Tornado	Unknown Wind Speed	Inverness Ocala	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
12/15/2022 11:00 AM to 13:59 PM	Tornado	Unknown Wind Speed	St. Petersburg	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report

Transmission

This information is reflected in Attachment B – "DEF Transmission Outages 2022 - 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 the approved Storm Protection Plan filed in docket number 20200050.

Transmission

These efforts are addressed in the approved Storm Protection Plan filed in docket number 20200050.

c. If the method of deriving the weather exclusion is different from the method used for 2016, please explain the changes and provide the CMI and CI for 2022 using the prior method.

For Distribution & Transmission – The same exclusion method has been used for years 2016 through 2022.

d. Provide the 2022 service reliability data for each transmission outage event that is excluded from your Company's 2022 Annual Distribution Reliability Report pursuant to Rule 25-6.0455.

Distribution

Dates	Overhead vs. Underground	C	CMI	CI	Duration	L-Bar	N
1/16/2022 - 4:00 AM to 4:59 AM	OH	57,905	109,716	82	1,338	1,338.4	1
	UG		-	-	-	-	-
3/12/2022 07:00 AM to 9:59 AM	OH	167,743	1,064,836	6,238	26,148	415.0	63
	UG		1,128	24	47	47.2	1
3/12/2022 - 11:00 AM to 11:59 AM	OH	56,703	147,562	2,785	2,464	352.1	7
	UG		-	-	-	-	-
5/6/2022 06:00 PM to 07:59 PM	OH	57,905	182,744	2,151	2,526	168.4	15
	UG		11,872	94	272	271.8	1
5/31/2022 06:00 PM to 06:59 PM	OH	201,604	377,082	4,024	4,760	264.4	18
	UG		-	-	-	-	-
9/28/2022 00:00 AM to 10/3/2022 23:59 PM	OH	1,930,197	1,317,327,975	886,957	23,081,012	2,363.4	9,766
	UG		98,810,519	46,347	3,742,160	2,147.0	1,743
11/9/2022 0:00 AM to 11/11/2022 23:59 PM	OH	1,930,197	83,271,943	268,926	1,457,241	491.1	2,967
	UG		4,162,258	8,521	149,777	401.5	373
12/15/2022 10:00 AM to 11:59 AM	OH	167,743	50,819	889	880	146.6	6
	UG		-	-	-	-	-
12/15/2022 11:00 AM to 13:59 PM	OH	181,683	383,659	1,807	10,135	289.6	35
	UG		-	-	-	-	-

Transmission

This information is reflected in Attachment B – "DEF Transmission Outages 2022 - 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 DEF has not taken other causations as exclusions for any events in 2022, 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 DEF has not taken other causations as exclusions for any events in 2022, DEF has no information to report in this section.

c. Provide the 2022 service reliability data for each distribution outage event that is excluded from your Company's 2022 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 DEF has not taken other causations as exclusions for any events in 2022, DEF has no information to report in this section.

2022 ADJUSTED RELIABILITY (Rule 25-6.0455, F.A.C.)

DEF's 2022 annual adjusted SAIDI was 85.2, a 13% increase from SAIDI observed in 2021, which was a 14% decrease from 2020. The primary driver for 2022 was caused by defective-equipment-related outages.

There were 10 days in 2022 that totaled more than 1.0 SAIDI minute each, all of which had weather related components. Eight (8) days were related to storms, January 16th (2.82 SAIDI), March 12th (1.45 SAIDI), April 2nd (1.00 SAIDI), May 21st (1.65 SAIDI), June 18th (1.46 SAIDI), July 14th (1.11 SAIDI), July 26th (1.02 SAIDI), and August 20th (1.13 SAIDI). The remaining 2 days were on January 30th (1.03 SAIDI) and December 24th (1.52 SAIDI), driven primarily by extremely cold temperatures.

In 2022, overall impact to DEF from extreme weather such as tornados and named storms were higher than previous 5-years average. DEF has seen a decline of SAIDI, SAIFI, MAIFIe and CEMI5 over the last 5 years. DEF SAIFI performance has remained steady over the past 5 years. This is driven by DEF's efforts to focus on minimizing outages through investing in the grid.

Year	*2017*	*2018*	*2019*	*2020*	*2021*	*2022*
Adjusted SAIDI	*82.7*	*98.5*	*90.5*	*87.9*	*75.3*	*85.2*

Year	*2017*	*2018*	*2019*	*2020*	*2021*	*2022*
Adjusted SAIFI	*0.92*	*1.01*	*0.97*	*0.94*	*0.84*	*0.93*

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 2018 - 2022.

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. 2023 activities and budget levels addressing each of the 10 causes of service outage.

- See Attachment E – "2023 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 2023.
- A272 experienced four feeder-level outages in 2022. Two were caused by non-preventable tree damage, one was cause by preventable tree damage, and one occurred as a storm passed the area while line maintenance was being performed. 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 Hot-Line Tag on the feeder.
- DEF completed backbone trimming in 2020. A272 is planned to have the backbone and lateral trees trimmed in 2022.
- Operations techs will continue to analyze feeder and perform an in-depth patrol to identify operational issues and initiate mitigation actions.

Feeder A35:

- DEF Infrared scanned main feeder A35 in 2022. No hotspots were found. DEF will infrared scan and perform additional patrols to main feeder of A35 in 2023.
- A35 experienced 3 feeder-level outages in 2022. Two outages were caused by non-preventable tree damage and one was caused by Vehicle/Construction Equipment where a car hit a pole and the necessary repairs required the lines to be de-energized.
- DEF completed backbone tree trimming in 2021 and lateral tree trimming in 2019. A35 is planned to have the backbone trees trimmed in 2024 and the lateral trees trimmed in 2023.
- Operations techs will continue to analyze feeder and perform an in-depth patrol to identify operational issues and initiate mitigation actions.

Feeder M445:

- DEF Infrared scanned main feeder M445 in 2021. No hotspots were found. DEF will infrared scan and perform additional patrols to main feeder of M445 in June/July 2023.
- M445 experienced 4 feeder-level outages in 2022. One outage was caused by a storm, two by non-preventable tree damage, and one by defective equipment. The defective equipment event occurred when a fusing device failed to open from a fault, causing a span of primary conductor to fall.

- DEF completed backbone tree trimming in 2021 and lateral tree trimming in 2018. M445 is planned to have the backbone trees trimmed in 2024 and laterals trimmed in 2023.
- Operations techs will continue to analyze feeder and perform an in-depth patrol to identify operational issues and initiate mitigation actions

Feeder N323:

- DEF Infrared scanned main feeder N323 in 2022. No hotspots were found. DEF will infrared scan and perform additional patrols to main feeder of N323 in 2023.
- N323 experienced 5 feeder-level outages in 2022. One outage was caused by a storm and four were caused by non-preventable tree damage.
- DEF completed backbone and lateral tree trimming in 2022. N323 is planned to have the backbone trees trimmed in 2025 and the lateral trees trimmed in 2027
- 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. Two hotspots were found, one on an inline switch and the second on one switch of a Capacitor Bank. The capacitor bank was placed offline with repairs scheduled for 2023, the switch is also scheduled for repairs in 2023. DEF will infrared scan and perform additional patrols to main feeder of W0902 in 2023.
- W0902 experienced 4 feeder-level outages in 2022. One outage was caused by a storm, one was caused by non-preventable tree damage, one was caused by preventable tree damage, and the fourth was caused by a Vehicle/Construction Equipment accident.
- DEF completed backbone tree trimming in 2022 and lateral tree trimming in 2018. W0902 is planned to have the backbone trees trimmed in 2025 and laterals trimmed in 2023.
- Operations techs will continue to analyze feeder and perform an in-depth patrol to identify operational issues and initiate mitigation actions.

Feeder N67:

- DEF Infrared scanned main feeder N67 in 2022. No hotspots were found. DEF will infrared scan and perform additional patrols to main feeder of N67 in 2023.
- N67 experienced 3 feeder level outages in 2022. One outage was caused by non-preventable tree damage, one was caused by preventable tree damage,

and one was caused by a storm. The preventable tree damage was caused by a fallen branch that broke a primary conductor.

- DEF completed backbone and lateral tree trimming in 2021. N67 is planned to have the backbone trees trimmed in 2024 and the lateral trees trimmed in 2026.

- 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. 2022 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 2023 budget levels, please see Attachment E – "2023 Program Budget" Spreadsheet.

c. Regional Reliability Indices – *see attached forms.*

i. 5-Yr. patterns/trends in each regions 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 2022 projected activities and budget levels directed at improving regional reliability performance.

- See Attachment E – "2023 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 169 teams installed which involves 669 circuits and 1,211,241 customers (nearly 65% of total DEF customers). In 2023, DEF will continue to install Self-Healing Teams across its service territory.
- In 2022, DEF conducted analysis and reviewed reliability data that meets certain operational thresholds in order to reduce the number of outages and momentary interruptions. From 2021 to 2022, DEF had a 24% 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 BIL (basic insulation level) 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 has begun its Lateral Harding 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.

- DEF is continuing its Substation Optimization Plan which drives maintenance on entire substations and feeders at once to improve substation and feeder performance. There are 24 substations planned for Substation Optimization in 2023, with eight (8) of the 24 substations continuing from 2022.
- DEF continued its Fuse Replacement Program in 2022, which aims to reduce vegetation and weather-related customer interruptions on some of the feeders most impacted by such outages. Through the Fuse Replacement Program, fuses were replaced on feeders for 36 substations in 2022, with additional substations planned in 2023.

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 – **ADJUSTED**

Utility Name: Duke Energy Florida — Year: **2022**

Cause** (a)	Customer Minutes Of Interruption	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
1.) Animals	4,356,741	4,231	82.5	65.0
2.) Vegetation	43,717,475	8,552	161.0	107.7
3.) Lightning	5,732,453	1,787	146.2	94.4
4.) Other Weather	23,045,178	4,855	150.5	101.8
5.) Vehicle	11,378,007	367	258.0	105.5
6.) Defective Equipment	47,078,746	11,914	162.3	81.7
7.) Unknown	6,723,464	1,543	136.7	58.0
Subtotal	142,032,064	33,249	149.1	91.1
All Other Causes *See attached	22,449,823	7,021	186.2	96.2
System Totals:	164,481,887	40,270	155.5	91.7

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:**2022**

All Other Causes Cause (a)	Customer Minutes Of Interruption	Number of Outage Events(N) (b)	Average Duration (L-Bar) (c)	Average Restoration Time (CAIDI) (d)
U/G Primary Cable	8,658,720	858	288.6	130.2
Human Error-Public	4,040,307	556	172.7	110.8
Dig-In	2,878,806	226	215.0	131.0
U/G Secondary/Service	1,935,642	3,828	193.8	255.4
Right-Of-Way	1,639,675	32	58.2	34.3
Overload	1,004,298	107	127.0	78.4
Human Error-PGN	843,277	304	79.3	59.3
Human Error-PGN Contractor	340,694	139	105.6	25.9
Miscellaneous	235,118	510	102.2	84.2
Improper Installation	201,414	30	125.4	72.0
Equipment Misapplication	199,880	35	138.1	154.6
Construction Equipment	168,514	29	138.2	88.9
Foreign Material In Line	159,151	66	114.3	49.1
O/H Secondary Cable	134,407	269	163.0	197.7
Vandalism	9,920	32	82.1	80.7
All Other Causes	22,449,823	7,021	186.2	96.2

PART II

THREE PERCENT FEEDER LIST – ADJUSTED

Utility Name: DUKE ENERGY FLORIDA, INC. Year: 2022

PRIMARY CIRCUIT ID. NO. OR NAME	SUBSTATION ORIGIN	LOCATION	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)
W0034	DELEON SPRINGS	DELAND	1,298	172	1	17	1,488	6	98.4	40.2	N	-	6/30/23
N323	SUWANNEE DISTRIBUTION	MONTICELLO	65	23	-	2	90	5	69.5	68.3	Y	2	6/30/23
W0630	HOLOPAW	SE ORLANDO	681	99	2	19	801	5	80.0	78.7	N	-	12/31/23
M451	BAY RIDGE	APOPKA	1,744	237	2	21	2,004	4	161.6	87.8	N	1	6/30/23
A272	HOMOSASSA	INVERNESS	1,386	217	-	44	1,647	4	149.1	99.1	Y	2	6/30/23
M707	PLYMOUTH SOUTH	APOPKA	1,593	121	3	19	1,736	4	91.8	36.2	N	-	12/31/23
C5001	ALDERMAN	SEVEN SPRINGS	1,286	115	-	7	1,408	4	37.8	38.0	N	-	12/31/23
M445	BAY RIDGE	APOPKA	658	164	1	10	833	4	149.3	56.8	N	2	6/30/23
C900	EAST CLEARWATER	CLEARWATER	1,899	73	-	11	1,983	4	100.7	127.7	N	-	12/31/23
M657	MYRTLE LAKE	LONGWOOD	856	62	-	4	922	4	125.2	43.9	N	-	12/31/23
C903	EAST CLEARWATER	CLEARWATER	489	106	2	11	608	4	56.7	41.3	N	1	6/30/23
A154	SILVER SPRINGS	OCALA	764	175	4	22	965	4	103.5	44.9	N	1	6/30/23
W0408	CONWAY	SE ORLANDO	1,627	119	-	15	1,761	4	71.9	60.1	N	-	12/31/23
A64	LAKE WEIR	OCALA	1,979	207	3	22	2,211	4	114.2	143.7	N	-	12/31/23
M1137	EATONVILLE	LONGWOOD	527	414	35	16	992	4	439.6	93.3	N	-	12/31/23
J409	LARGO	CLEARWATER	2,019	188	1	3	2,211	4	66.8	52.7	N	-	12/31/23
W0902	BARBERVILLE	DELAND	1,174	403	1	37	1,615	4	110.8	82.6	Y	4	6/30/23
W0764	TURNER PLANT	DELAND	1,140	215	-	21	1,376	3	155.0	61.9	N	-	12/31/23
J408	LARGO	CLEARWATER	1,096	271	25	5	1,397	3	76.8	26.5	N	-	12/31/23
M80	MAITLAND	LONGWOOD	1,407	38	-	9	1,454	3	93.8	83.5	N	-	12/31/23
C202	PORT RICHEY WEST	SEVEN SPRINGS	1,860	350	-	49	2,259	3	39.3	30.8	N	-	12/31/23
A96	BROOKSVILLE	INVERNESS	1,296	366	11	53	1,726	3	86.2	32.0	N	1	6/30/23
M1138	EATONVILLE	LONGWOOD	205	286	17	5	513	3	242.8	100.4	N	-	12/31/23
M723	APOPKA SOUTH	APOPKA	2,309	116	-	19	2,444	3	38.6	38.0	N	-	12/31/23
A35	REDDICK	OCALA	452	158	2	26	638	3	145.3	104.7	Y	2	6/30/23
N234	ST GEORGE ISLAND	MONTICELLO	694	67	-	10	771	3	105.8	67.7	N	-	12/31/23
A192	LURAVILLE	MONTICELLO	536	165	2	43	746	3	216.2	253.7	N	-	12/31/23
N67	MONTICELLO	MONTICELLO	1,348	306	-	51	1,705	3	328.3	71.2	Y	2	6/30/23
M476	PIEDMONT	APOPKA	713	197	-	2	912	3	64.6	70.7	N	-	12/31/23
K1104	REEDY LAKE	BUENA VISTA	803	74	1	16	894	3	54.9	21.8	N	1	6/30/23
A85	INVERNESS	INVERNESS	685	314	-	32	1,031	3	75.2	52.5	N	-	12/31/23
W0904	BARBERVILLE	DELAND	1,018	140	-	15	1,173	3	99.4	53.6	N	-	12/31/23
J118	STARKEY ROAD	WALSINGHAM	2,497	164	-	18	2,679	3	73.1	86.4	N	-	12/31/23
K1690	DINNER LAKE	HIGHLANDS	1,406	312	-	24	1,742	3	131.9	42.4	N	1	6/30/23
K203	WINTER GARDEN	WINTER GARDEN	1,476	219	14	47	1,756	3	63.1	61.3	N	-	12/31/23
K8	DAVENPORT	LAKE WALES	2,236	103	-	4	2,343	3	159.7	59.2	N	1	6/30/23
W0028	CASSELBERRY	JAMESTOWN	1,147	136	2	9	1,294	2	104.4	120.7	N	1	6/30/23
M1139	EATONVILLE	LONGWOOD	1,341	345	2	15	1,703	2	752.6	92.4	N	1	6/30/23
W1108	DELAND EAST	DELAND	1,878	170	4	20	2,072	2	153.4	74.5	N	-	12/31/23
A396	WILDWOOD CITY	OCALA	1,093	205	-	72	1,370	2	293.6	83.8	N	-	12/31/23
A286	CITRUS HILLS	INVERNESS	1,558	89	-	5	1,652	2	56.5	46.8	N	-	12/31/23
A45	GEORGIA PACIFIC	MONTICELLO	1087	301	0	79	1467	2	90.30	121.67	N	1	6/30/23

LBAR AND CAIDI Includes all devices.

PART III

SYSTEM RELIABILITY INDICES – **ADJUSTED**

Utility Name: Duke Energy Florida Year: 2022

District or Service Area (a)	SAIDI (b)	CAIDI (c)	SAIFI (d)	MAIFIe (e)	CEMI5 (f)
North Coastal	**99.0**	**100.4**	**0.99**	**3.7**	**1.14%**
Inverness	96.3	95.2	1.01	3.9	1.27%
Monticello	109.6	89.9	1.22	3.6	2.53%
Ocala	91.4	105.5	0.87	3.3	2.72%
Seven Springs	103.5	112.8	0.92	3.7	0.15%
Zephyrhills	96.3	86.4	1.11	4.8	0.14%
South Coastal	**117.9**	**103.3**	**1.14**	**3.2**	**0.13%**
Clearwater	151.2	97.6	1.55	3.8	0.21%
St. Petersburg	126.1	103.4	1.22	3.1	0.13%
Walsingham	62.7	68.4	0.92	2.8	0.05%
North Central	**70.7**	**57.1**	**1.24**	**3.8**	**0.34%**
Apopka	73.7	91.0	0.81	4.0	0.42%
Deland	49.7	93.1	0.53	4.1	0.55%
Jamestown	74.2	86.1	0.86	3.5	0.10%
Longwood	99.1	92.7	1.07	3.8	0.40%
South Central	**82.8**	**85.1**	**0.97**	**3.3**	**0.30%**
Buena Vista	71.6	92.0	0.78	2.7	0.19%
Clermont	84.1	99.0	0.85	3.1	0.01%
SE Orlando	75.8	90.2	0.84	4.4	0.31%
Highlands	86.4	91.8	0.94	4.5	0.55%
Lake Wales	69.6	87.9	0.79	2.4	0.43%
Winter Garden	73.0	90.9	0.80	2.7	0.05%
SYSTEM	**85.2**	**91.7**	**0.93**	**3.5**	**0.46%**

FEEDER SPECIFIC DATA – Expanded to include OH/UG details

Provide the following information for each feeder circuit in service during 2022. 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 – "2022 Feeder Specific Data."

For (Z) – See Attachment G – "2022 Summer Feeder Peaks."

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

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	2.5	7.1	0.7
Central	1.4	0.7	1.8
Coastal	1.7	2.2	1.8
Florida	5.6	10.1	4.3

Table 1: 2022 DEF SAIDI Reliability Indices

In 2022, Grid SAIDI increased slightly from 2021 and SECI (Seminole Electric Cooperatives, Inc.) also increased. Retail SAIDI decreased from 2021. SECI represents its electric cooperative members in Florida.

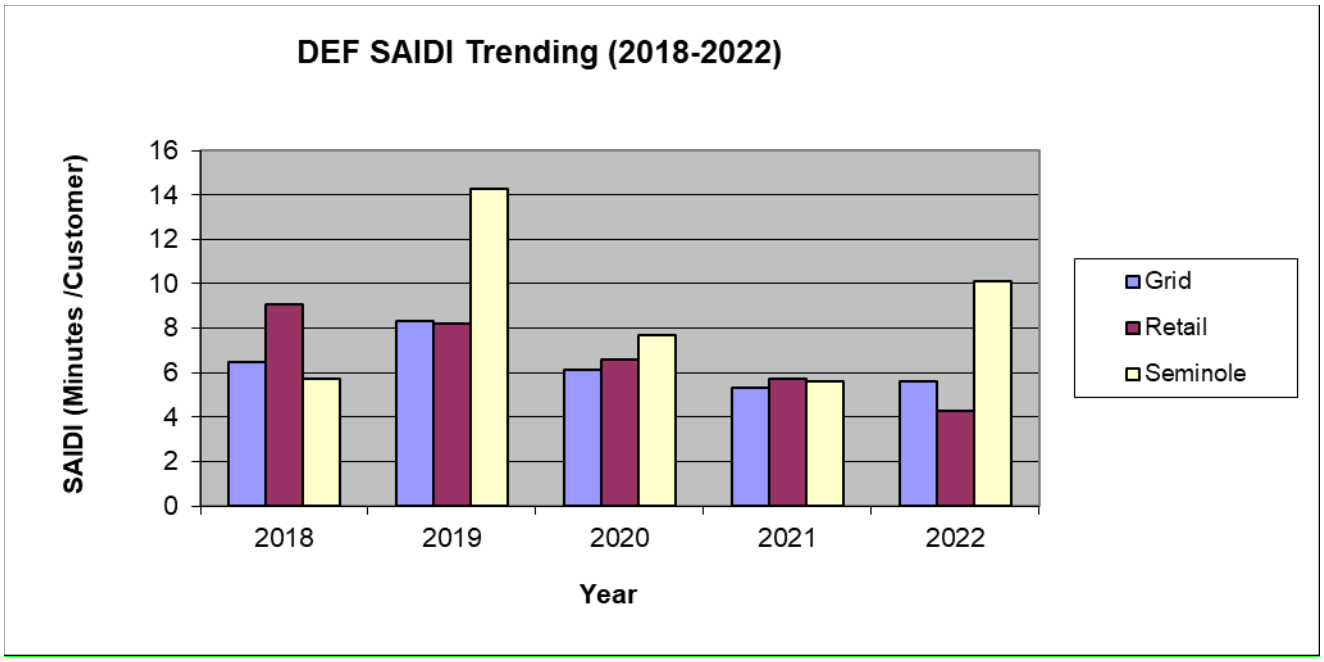

Fig.1: DEF SAIDI Trending (2018 - 2022)

Grid KPIs	2018	2019	2020	2021	2022
Customers (Thousands)	440.34	429.79	432.19	291.04	382.24
CMI (Millions)	20.85	25.04	17.83	14.63	16.14
SAIDI	6.5	8.3	6.1	5.3	5.6
CAIDI	43.33	58.26	41.39	58.3	40.0
SAIFI	0.19	0.14	0.15	0.10	0.14
FSO	N/A	N/A	N/A	N/A	N/A
FOHMY	9.92	8.12	8.74	7.50	8.23

Table 2: DEF Statistics (2018 - 2022)

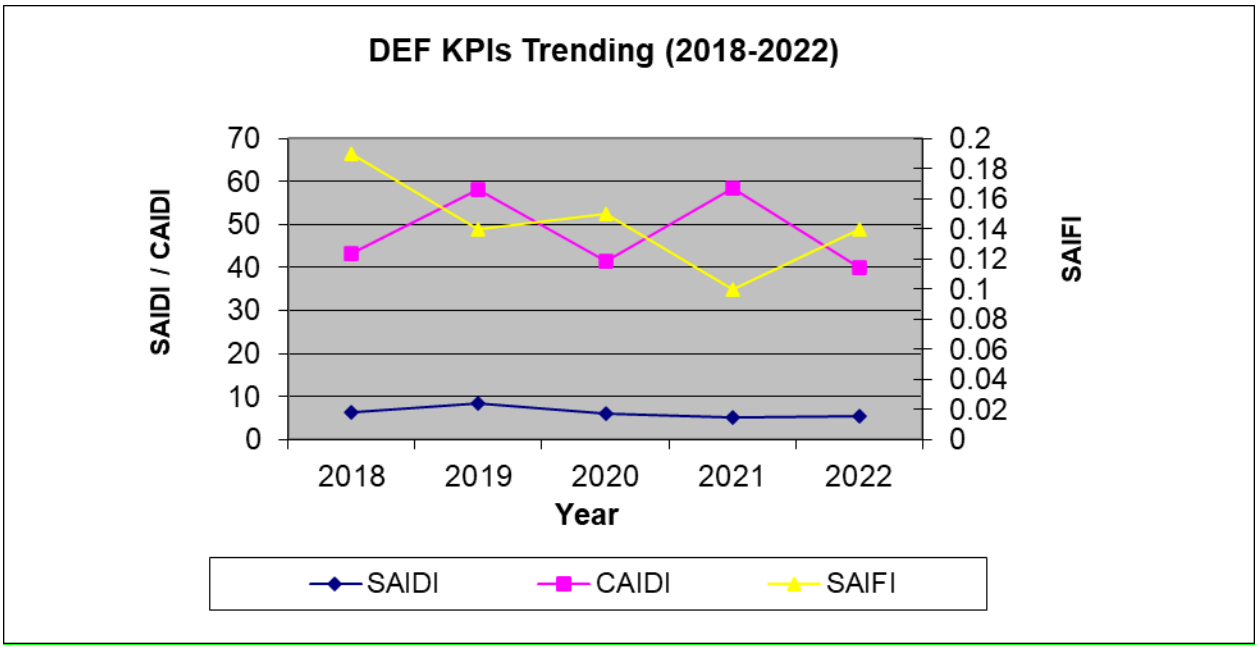

Fig.2: DEF Key Performance Indicators Trending (2018 - 2022)

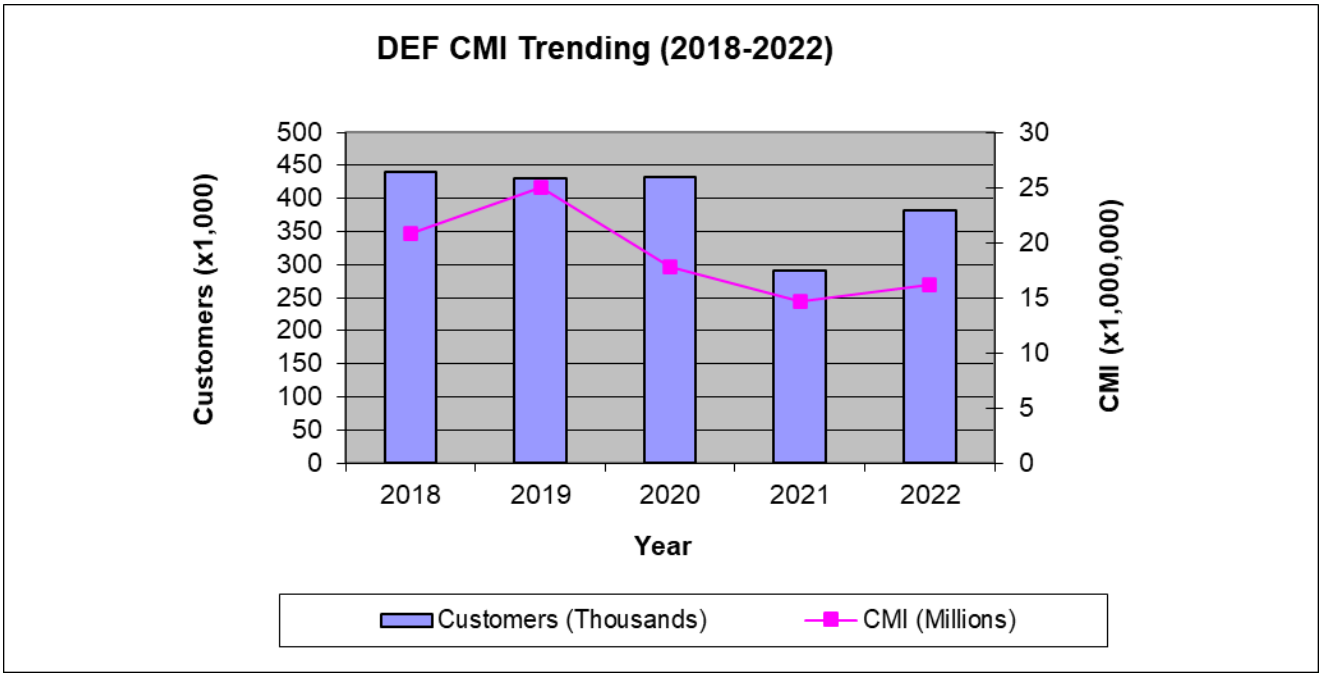

Fig.3: DEF Customers Minute Interruption Trending (2018 - 2022)

DEF CMI Per Month (2018 - 2022)

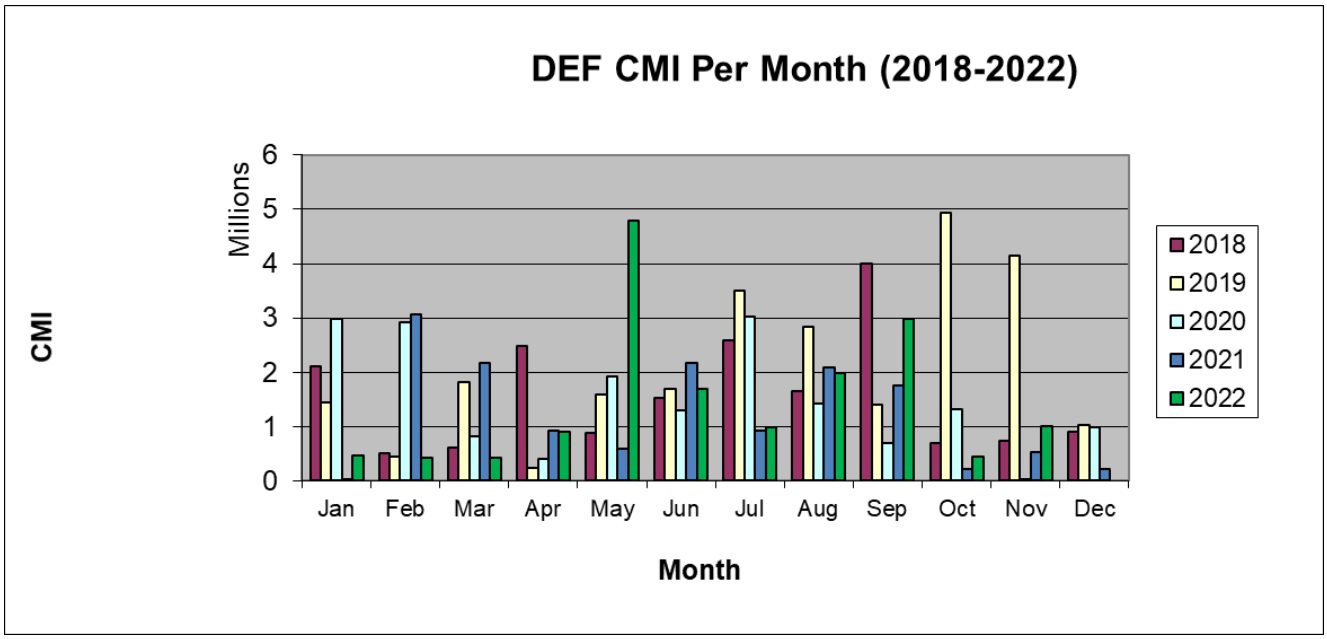

Fig.4: DEF CMI per month (2018 - 2022)

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 2022.

DEF has inspected each of its current 522 substations.

SUPPLEMENTAL DISTRIBUTION INFORMATION

The next six pages contain the following information:

2022

	Unadjusted Data		Adjusted Data	
	CMI	**CI**	**CMI**	**CI**
NORTH CENTRAL	**667,349,565**	**965,401**	**42,676,449**	**425,090**
APOPKA	118,313,129	233,838	10,355,811	108,730
DELAND	207,225,805	277,789	9,674,975	107,623
JAMESTOWN	177,570,097	257,595	12,984,667	123,080
LONGWOOD	164,240,534	196,179	9,660,996	85,657
NORTH COASTAL	**105,907,157**	**888,889**	**43,879,338**	**507,717**
INVERNESS	13,853,024	143,000	9,538,737	92,308
MONTICELLO	14,595,246	136,189	8,752,826	89,639
OCALA	33,479,560	195,977	10,949,849	105,874
SEVEN SPRINGS	28,103,460	273,743	12,642,039	184,936
ZEPHYRHILLS	15,875,867	139,980	1,995,887	34,960
SOUTH CENTRAL	**574,329,989**	**954,164**	**41,273,051**	**453,651**
BUENA VISTA	66,691,674	150,428	7,028,834	75,502
CLERMONT	16,415,785	53,991	3,058,034	35,522
HIGHLANDS	137,821,798	172,227	5,616,639	60,620
LAKE WALES	185,770,685	246,464	11,066,657	130,084
SE ORLANDO	90,711,685	171,426	7,049,229	76,616
WINTER GARDEN	76,918,362	159,628	7,453,658	75,307
SOUTH COASTAL	**350,791,877**	**865,743**	**36,653,049**	**406,516**
CLEARWATER	109,689,467	316,851	12,743,267	138,785
ST. PETERSBURG	172,136,565	321,415	12,651,693	143,934
WALSINGHAM	68,965,845	227,477	11,258,089	123,797
Grand Total	**1,698,378,588**	**3,674,197**	**164,481,887**	**1,792,974**

CEMI5 Unadjusted Report - 2022

	INTERRUPTIONS:	1	2	3	4	5	6	7	8	9	10 +	Cust >5	CEMI >5
NORTH CENTRAL													
	Apopka	27,099	21,599	13,682	8,336	2,964	1,785	1,180	1,221	714	776	5676	**5.28%**
	Deland	17,619	19,282	14,316	10,422	5,155	2,976	1,759	648	357	1,911	7651	**8.67%**
	Jamestown	41,768	27,112	15,654	6,208	4,105	3,090	876	202	202	48	4418	**3.11%**
	Longwood	30,999	18,778	9,667	6,994	3,386	1,823	509	576	209	197	3314	**3.55%**
	NORTH CENTRAL	**117,485**	**86,771**	**53,319**	**31,960**	**15,610**	**9,674**	**4,324**	**2,647**	**1,482**	**2,932**	**21,059**	**4.88%**
NORTH COASTAL													
	Inverness	24,766	15,123	7,753	4,291	1,538	857	261	243	117	74	1,552	**1.92%**
	Monticello	14,533	10,752	8,230	3,876	2,303	1,471	680	286	290	220	2,947	**5.09%**
	Ocala	23,638	15,734	6,308	3,992	3,324	3,071	1,510	1,177	923	1,867	8,548	**9.84%**
	Seven Springs	60,110	28,422	16,135	7,860	2,660	581	338	46	7		972	**0.48%**
	Zephyrhills	5,395	3,143	3,299	4,463	2,288	3,134	5,209	1,401	266	45	10055	**35.63%**
	NORTH COASTAL	**128,442**	**73,174**	**41,725**	**24,482**	**12,113**	**9,114**	**7,998**	**3,153**	**1,603**	**2,206**	**24,074**	**5.29%**
SOUTH CENTRAL													
	Buena Vista	47,126	13,731	8,317	1,567	2,246	244	256	42	21		563	**0.40%**
	Clermont	13,162	9,344	2,473	1,174	215	88	12	3	8		111	**0.27%**
	Highlands	11,880	15,211	11,277	7,060	4,032	2,733	1,073	118	16	72	4,012	**7.08%**
	Lake Wales	37,915	22,235	16,773	7,655	3,961	3,223	946	471	329	261	5,230	**3.91%**
	SE Orlando	29,175	19,530	8,712	5,303	3,078	1,450	970	323	203	25	2971	**3.02%**
	Winter Garden	34,575	16,151	13,234	4,867	2,192	582	191	11			784	**0.88%**
	SOUTH CENTRAL	**173,833**	**96,202**	**60,786**	**27,626**	**15,724**	**8,320**	**3,448**	**968**	**577**	**358**	**13,671**	**2.44%**
SOUTH COASTAL													
	Clearwater	46,525	32,567	16,131	8,334	6,323	2,250	1,220	502	158	32	4,162	**2.82%**
	St. Petersburg	65,549	33,196	19,234	6,775	3,144	1,476	411	224	123	40	2,274	**1.25%**
	Walsingham	51,456	25,152	11,707	3,375	2,255	865	185	31		8	1,089	**0.71%**
	SOUTH COASTAL	**163,530**	**90,915**	**47,072**	**18,484**	**11,722**	**4,591**	**1,816**	**757**	**281**	**80**	**7,525**	**1.56%**
	System:	**583,290**	**347,062**	**202,902**	**102,552**	**55,169**	**31,699**	**17,586**	**7,525**	**3,943**	**5,576**	**66,329**	**3.44%**

CEMI5 Adjusted Report - 2022

INTERRUPTIONS:		1	2	3	4	5	6	7	8	9	10 +	Cust >5	CEMI >5
NORTH CENTRAL													
	Apopka	29,072	14,269	7,537	2,487	691	240	194	19		1	454	**0.42%**
	Deland	29,803	12,860	6,653	2,273	709	310	90	66	12	8	486	**0.55%**
	Jamestown	41,991	13,690	7,149	2,070	377	57	46	10	4	29	146	**0.10%**
	Longwood	26,569	7,943	6,031	1,863	597	309	44	6	12		371	**0.40%**
	NORTH CENTRAL	**127,435**	**48,762**	**27,370**	**8,693**	**2,374**	**916**	**374**	**101**	**28**	**38**	**1,457**	**0.34%**
NORTH COASTAL													
	Inverness	23,396	13,017	4,984	2,584	718	617	165	191	49	2	1,024	**1.27%**
	Monticello	15,341	11,166	6,338	2,498	1,555	1,017	303	97	26	20	1,463	**2.53%**
	Ocala	24,112	10,006	4,195	3,582	2,442	1,180	526	361	229	64	2,360	**2.72%**
	Seven Springs	59,647	22,381	10,672	5,379	1,072	227	73	7			307	**0.15%**
	Zephyrhills	8,082	2,373	4,720	1,405	352	39					39	**0.14%**
	NORTH COASTAL	**130,578**	**58,943**	**30,909**	**15,448**	**6,139**	**3,080**	**1,067**	**656**	**304**	**86**	**5,193**	**1.14%**
SOUTH CENTRAL													
	Buena Vista	39,276	4,913	2,360	1,581	54	266		5			271	**0.19%**
	Clermont	13,409	4,472	1,334	643	58	5					5	**0.01%**
	Highlands	22,200	8,582	3,316	1,361	481	110	62	2	1	1	176	**0.31%**
	Lake Wales	36,311	19,599	6,891	4,064	2,292	621	63	51			735	**0.55%**
	SE Orlando	27,240	8,362	5,008	2,885	672	314	102	5	1	1	423	**0.43%**
	Winter Garden	31,435	12,336	3,148	767	137	43					43	**0.05%**
	SOUTH CENTRAL	**169,871**	**58,264**	**22,057**	**11,301**	**3,694**	**1,359**	**227**	**63**	**2**	**2**	**1,653**	**0.30%**
SOUTH COASTAL													
	Clearwater	43,143	20,857	8,449	1,393	446	301	1	13			315	**0.21%**
	St. Petersburg	51,161	19,891	6,995	2,440	441	158	69	3			230	**0.13%**
	Walsingham	46,005	14,128	5,732	2,221	1,423	68	4	8			80	**0.05%**
	SOUTH COASTAL	**140,309**	**54,876**	**21,176**	**6,054**	**2,310**	**527**	**74**	**24**			**625**	**0.13%**
	System	**568,193**	**220,845**	**101,512**	**41,496**	**14,517**	**5,882**	**1,742**	**844**	**334**	**126**	**8,928**	**0.46%**

MAIFIe - Unadjusted (01/01/2022 - 12/31/2022)					
		Customers	# momentary		
		Served	events	CME	MAIFIe
	North Central				
	Apopka	107,586	346	564,376	**5.2**
	Deland	88,258	265	464,704	**5.3**
	Jamestown	142,116	330	686,465	**4.8**
	Longwood	93,327	272	458,523	**4.9**
	North Central Tota	**431,287**	**1,213**	**2,174,068**	**5.0**
	North Coastal				
	Inverness	80,905	190	343,684	**4.2**
	Monticello	57,905	173	208,321	**3.6**
	Ocala	86,838	199	327,604	**3.8**
	Seven Springs	201,604	327	838,958	**4.2**
	Zephyrhills	28,222	67	172,897	**6.1**
	North Coastal Tota	**455,474**	**956**	**1,891,464**	**4.2**
	South Central				
	Buena Vista	141,441	260	471,467	**3.3**
	Clermont	41,214	80	168,948	**4.1**
	Highlands	56,703	233	368,460	**6.5**
	Lake Wales	133,619	363	708,939	**5.3**
	SE Orlando	98,492	217	334,175	**3.4**
	Winter Garden	88,614	157	315,700	**3.6**
	South Central Tota	**560,083**	**1,310**	**2,367,689**	**4.2**
	South Coastal				
	Clearwater	147,441	261	692,026	**4.7**
	St. Petersburg	181,683	283	725,097	**4.0**
	Walsingham	154,229	215	488,058	**3.2**
	South Coastal Tota	**483,353**	**759**	**1,905,181**	**3.9**
		1,930,197	**4,238**	**8,338,402**	**4.3**

MAIFIe - Adjusted (01/01/2022 - 12/31/2022)					
		Customers	**# momentary**		
		Served	**events**	**CME**	**MAIFIe**
	North Central				
	Apopka	107,586	252	433,025	**4.0**
	Deland	88,258	186	362,616	**4.1**
	Jamestown	142,116	229	500,039	**3.5**
	Longwood	93,327	196	358,817	**3.8**
	North Central Total	**431,287**	**863**	**1,654,497**	**3.8**
	North Coastal				
	Inverness	80,905	174	317,565	**3.9**
	Monticello	57,905	168	206,000	**3.6**
	Ocala	86,838	167	290,588	**3.3**
	Seven Springs	201,604	290	753,082	**3.7**
	Zephyrhills	28,222	49	135,332	**4.8**
	North Coastal Total	**455,474**	**848**	**1,702,567**	**3.7**
	South Central				
	Buena Vista	141,441	197	388,847	**2.7**
	Clermont	41,214	59	128,945	**3.1**
	Highlands	56,703	135	251,446	**4.4**
	Lake Wales	133,619	281	596,086	**4.5**
	SE Orlando	98,492	146	235,323	**2.4**
	Winter Garden	88,614	105	241,648	**2.7**
	South Central Total	**560,083**	**923**	**1,842,295**	**3.3**
	South Coastal				
	Clearwater	147,441	200	560,436	**3.8**
	St. Petersburg	181,683	201	554,981	**3.1**
	Walsingham	154,229	177	424,192	**2.8**
	South Coastal Total	**483,353**	**578**	**1,539,609**	**3.2**
		1,930,197	**3,212**	**6,738,968**	**3.5**

DUKE ENERGY.

SYSTEM RELIABILITY INDICES – ABSENT ADJUSTMENTS

Utility Name: Duke Energy Florida

2022

Region	Operation Center	SAIDI
NORTH COASTAL		232.5
	Inverness	171.2
	Monticello	252.1
	Ocala	385.5
	Seven Springs	139.4
	Zephyrhills	562.5
SOUTH COASTAL		725.7
	Clearwater	744.0
	St. Petersburg	947.5
	Walsingham	447.2
NORTH CENTRAL		1,547.3
	Apopka	1,099.7
	Deland	2,348.0
	Jamestown	1,249.5
	Longwood	1,759.8
SOUTH CENTRAL		1,025.4
	Buena Vista	471.5
	Clermont	398.3
	Highlands	2,430.6
	Lake Wales	1,390.3
	SE Orlando	921.0
	Winter Garden	868.0
SYSTEM		879.9

Note: SAIDI indices are the contribution to the system level.

DUKE ENERGY.

SYSTEM RELIABILITY INDICES – ADJUSTED

Utility Name: Duke Energy Florida

2022

Region	Operation Center	SAIDI
NORTH COASTAL		96.3
	Inverness	117.9
	Monticello	151.2
	Ocala	126.1
	Seven Springs	62.7
	Zephyrhills	70.7
SOUTH COASTAL		75.8
	Clearwater	86.4
	St. Petersburg	69.6
	Walsingham	73.0
NORTH CENTRAL		99.0
	Apopka	96.3
	Deland	109.6
	Jamestown	91.4
	Longwood	103.5
SOUTH CENTRAL		73.7
	Buena Vista	49.7
	Clermont	74.2
	Highlands	99.1
	Lake Wales	82.8
	SE Orlando	71.6
	Winter Garden	84.1
SYSTEM		85.2

Note: SAIDI indices are the contribution to the system level.

RELIABILITY RELATED CUSTOMER COMPLAINTS

Please see Attachment H for DEF's spreadsheet comparing DEF vs. PSC 2022 reliability-related complaints.

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

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

		FPSC Formal (15 Day/Logged) Complaints			
Complaint Category		Year End Total			
	2018	2019	2020	2021	2022
Outages - Momentary	8	7	15	11	3
Outages - Frequent	77	47	35	22	25
Outages – Extended	10	13	7	2	8
Voltage	3	7	10	2	3
Equipment/Facilities	16	13	12	18	7
Tree Trimming	6	8	7	3	7
Safety	0	0	0	0	0
Total	**120**	**95**	**86**	**58**	**53**

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.

DEF'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 Utility Technologies for distribution and EN Engineering for transmission to perform the inspections on an eight-year cycle. Transmission inspection includes visual inspection, sounding, and utilizes a Resistograph to bore. Transmission wood poles identified as not meeting Standards are prioritized and scheduled for replacement. Distribution inspections include visual inspection, sound and boring and full excavation down to 18 inches below ground line to determine the condition of all poles except for 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. Distribution 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.

b. 2022 accomplishments

Distribution

DEF inspected 109,526 wood distribution poles during 2022. This completes the first year of the third eight-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. In cycle 1, the route of the inspections was performed to inspect the coastal poles first, moving inland as the program proceeded. Cycle 2 was conducted in a manner that provides a more even distribution of work to DEF's engineering and line resources. Cycle 3 we are inspecting by Circuit ID.

Transmission

In 2022, DEF's Transmission Ground Patrols/Sound & Bore inspected 1,395 wood pole structures. This represents approximately 10 % of the wood pole structures on the DEF Transmission system. For the summary report of the inspection data, See Attachment Attachment J – "DEF's 2022 Annual Wood Pole Inspection Report," filed with the FPSC on March 1, 2023.

Projected accomplishments for 2023

Distribution

DEF's goal for 2023 is to continue Cycle 3 inspections of the system. DEF will continue to utilize the same inspection procedures in 2023 that were used in the past. Projected cost for the 2023 distribution pole inspection program is $4.05M.

Transmission

Plans for 2023 are to perform visual and sounding inspections on 1/4 of the wood pole system and Resistograph sound and bore inspections on at least 1/8 of the wood pole system. DEF Transmission plans to inspect at least 1/6 of our non-wood system. All three inspections: wood – visuals, Resistograph sound & bore and non-wood visual inspections are performed by a contractor. The entire transmission system will also be aerially patrolled twice via helicopter in 2023.

c. 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 2022 Annual Wood Pole Inspection Report," filed with the FPSC on March 1, 2023.

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.

Transmission

Please see Attachment J – "DEF's 2022 Annual Wood Pole Inspection Report," filed with the FPSC on March 1, 2023.

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 FPSC 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."*

2022 CCA Pole Sampling Results

Please see Attachment J – "DEF's 2022 Annual Wood Pole Inspection Report" filed with the FPSC on March 1, 2023. The "CCA Sampling Results for 2022" is included in DEF's Wood Pole Inspection Report as "Attachment B."

Reliability Report Attachment Index

ATTACHMENT A

OUTAGE_I	COMPANY	SECTION_/	LOCATION	OUTAGE_START_TIME	CIRCUIT_RESTORATION_TI	OUTAGEMINUTE	RETAIL_CU	GRIDCUST	INITIATIN(	INITIATIN(	SUSTAINEI	RETAIL_CM	GRID_CMI
89,520	DEF	DEF Coasta	DISSTON*	01/03/2022 09:32:00	01/03/2022 10:53:00	81	3,211	3,211	Breaker Ec	Breaker Ec	Breaker Ec	260,091	260,091
94,930	DEF	DEF Centra	Lake Wale:	08/08/2022 13:42:00	08/08/2022 17:51:00	249	8	8	Lightning	Lightning - Transform		518	518
94,786	DEF	DEF Centra	Debary (DI	08/02/2022 20:03:38	08/02/2022 21:39:22	95.7333	6,958	6,958	Weather/E	Weather/E	Relay and	331,283	331,283
94,804	DEF	DEF Centra	INTERCESS	08/03/2022 01:40:08			2,149	2,149	Animal	Animal - R	Switch Equ	49,110	49,110
95,120	DEF	DEF Centra	UCF NORT	08/15/2022 09:01:19	08/15/2022 10:23:47	82.4667	1,745	1,745	Animal	Animal - S(	Animal - S(	130,982	130,982
89,900	DEF	DEF Coasta	ZEPHYRHIL	01/15/2022 17:22:00			15,602	15,602	Human Err	Human Err	Human Err	31,045	31,045
91,168	DEF	DEF Coasta	ZEPHYRHIL	04/11/2022 19:42:00			5,464	5,464	Human Err	Human Err	Human Err	43,712	43,712
94,772	DEF	DEF Centra	Boggy Mar	08/02/2022 18:28:51	08/04/2022 18:48:00	2,899.1500	0	2,433	Lightning	Lightning - Breaker Ec		0	44,956
95,718	DEF	DEF Centra	East Lake \	09/04/2022 05:32:54	09/04/2022 07:47:33	134.6500	2,464	2,464	Vegetatior	Vegetatior	Vegetatior	20,876	20,876
95,726	DEF	DEF Centra	Reedy Lak	09/03/2022 18:47:27	09/03/2022 18:47:41	0.2333	2,700	2,700	Lightning	Lightning - Breaker Ec		121,500	121,500
95,828	DEF	DEF Centra	Piedmont	09/07/2022 19:40:43	09/08/2022 01:21:49	341.1000	1,641	1,641	Line Equip	Line Equip	Line Equip	31,179	31,179
95,858	DEF	DEF Centra	Celebratio	09/08/2022 17:59:13	09/08/2022 17:59:17	0.0667	1,419	1,419	Weather/E	Weather/E	Breaker Ec	91,726	91,726
96,060	DEF	DEF North	Orange Blc	09/18/2022 04:45:08	09/18/2022 06:00:42	75.5667	5,411	5,411	Vandalism	Vandalism	Vandalism	433,077	433,077
95,538	DEF	DEF North	PINE RIDG	08/27/2022 17:47:00	08/28/2022 09:41:00	954	1,604	1,604	Miscellane	Miscellane	Breaker Ec	54,548	54,548
95,628	DEF	DEF North	EUSTIS	08/31/2022 17:16:14			1,283	1,283	Weather/E	Weather/E	Breaker Ec	51,320	51,320
96,062	DEF	DEF Centra	Orange Blc	09/18/2022 04:45:08	09/18/2022 06:00:16	75.1333	4,374	4,374	Vandalism	Vandalism	Vandalism	154,740	154,740
96,066	DEF	DEF Centra	Dinner Lak	09/17/2022 16:33:03	09/17/2022 16:33:10	0.1167	9,651	9,651	Weather/E	Weather/E	Breaker Ec	495,543	495,543
96,162	DEF	DEF Coasta	East Clear\	09/22/2022 03:58:07	09/22/2022 04:00:43	2.6000	23,681	23,681	Vandalism	Vandalism	Vandalism	147,662	147,662
95,740	DEF	DEF Coasta	Ulmerton (	09/05/2022 06:13:44	09/05/2022 06:18:14	4.5000	2,430	2,430	Breaker Ec	Breaker Ec	Breaker Ec	14,132	14,132
95,890	DEF	DEF Centra	Bay Ridge	09/10/2022 02:42:25	09/10/2022 05:13:40	151.2500	2,726	2,726	Vandalism	Vandalism	Vandalism	28,332	28,332
95,892	DEF	DEF Centra	Bay Ridge	09/10/2022 02:42:25	09/10/2022 05:11:18	148.8833	2,846	2,846	Vandalism	Vandalism	Vandalism	200,926	200,926
95,992	DEF	DEF Centra	Bay Ridge	09/13/2022 05:59:46	09/13/2022 06:42:00	42.2333	2,846	2,846	Vandalism	Vandalism	Vandalism	28,701	28,701
95,994	DEF	DEF Centra	Bay Ridge	09/13/2022 05:59:46	09/13/2022 06:42:00	42.2333	2,302	2,302	Vandalism	Vandalism	Vandalism	86,597	86,597
96,124	DEF	DEF Coasta	Zephryhills	09/21/2022 02:27:09	09/21/2022 02:37:11	10.0333	0	5,213	Vandalism	Vandalism	Vandalism	0	51,974
92,006	DEF	DEF North	Lake Weir	05/20/2022 16:35:29	05/21/2022 03:24:28	648.9833	0	5,594	Line Equip	Line Equip	Line Equip	0	3,630,226
91,476	DEF	DEF Centra	Avon Park	04/30/2022 18:15:17	04/30/2022 18:18:09	2.8667	0	2,531	Weather/E	Weather/E	Lightning -	0	7,264
91,882	DEF	DEF Coasta	OAKHURST	03/31/2022 07:58:00			6,302	6,302	Animal	Animal - S(	Animal - S(	265,722	265,722
91,924	DEF	DEF Coasta	CURLEW*	04/05/2022 09:15:00			1,313	1,313	Breaker Ec	Breaker Ec	Breaker Ec	28,667	28,667
92,612	DEF	DEF Centra	CONWAY*	06/01/2022 17:07:25	06/02/2022 09:33:44	986.3167	1,481	1,481	Vegetatior	Vegetatior	Breaker Ec	61,250	61,250
91,508	DEF	DEF Coasta	CLEARWA	04/29/2022 11:43:00			5,928	5,928	Animal	Animal - Bi	Animal - Bi	115,088	115,088
91,704	DEF	DEF Centra	CLERMON	05/07/2022 18:23:00	05/07/2022 21:20:00	177	3,884	3,884	Animal	Animal - Bi	Animal - Bi	181,091	181,091
91,726	DEF	DEF Centra	Bay Hill (B/	05/10/2022 16:21:33	05/10/2022 21:27:00	305.4500	1,238	1,238	Capacitor/	Capacitor/	Capacitor/	9,904	9,904
92,398	DEF	DEF Centra	Lake Placic	05/27/2022 13:51:30	05/27/2022 13:53:19	1.8167	0	2,821	Unknown	Unknown	-	0	4,880

93,210	DEF	DEF Coasta	Zephyrhills	06/20/2022 06:28:49	06/20/2022 07:06:22	37.5500	9,996	9,996	Customer	Customer	Customer	449,820	449,820
90,642	DEF	DEF North	Chiefland (	03/09/2022 20:33:16	03/09/2022 20:35:13	1.9500	0	1,668	Weather/E	Weather/E	Unknown	0	3,169
91,414	DEF	DEF Centra	LOCKHART	04/25/2022 06:16:30	04/25/2022 10:25:12	248.7000	1,717	1,717	Breaker Ec	Breaker Ec	Breaker Eq	15,241	15,241
92,126	DEF	DEF Centra	Desoto Cit	05/21/2022 18:49:31	05/21/2022 18:51:20	1.8167	0	1,473	Public Inte	Public Inte	Public Inte	0	215,603
94,226	DEF	DEF Centra	Lake Placic	07/19/2022 14:32:35	07/19/2022 16:46:49	134.2333	3,837	3,837	Human Err	Human Err	Switch Equ	72,333	72,333
90,626	DEF	DEF North	Umatilla P	03/09/2022 13:46:12	03/09/2022 23:07:02	560.8333	0	2,066	Public Inte	Public Inte	Line Equip	0	5,227
91,892	DEF	DEF North	Bushnell E	05/17/2022 18:19:55	05/17/2022 22:44:21	264.4333	1,713	5,453	Vegetatior	Vegetatior	Breaker Eq	221,208	394,781
92,814	DEF	DEF North	Perry (PRR	06/09/2022 16:03:09	06/09/2022 16:04:56	1.7833	0	3,009	Lightning	Lightning -	-	0	5,356
91,366	DEF	DEF Coasta	BROOKER	04/08/2022 19:55:00			6,382	6,382	Human Err	Human Err	Human Err	274,426	274,426
91,254	DEF	DEF North	Fort White	04/17/2022 22:52:40	04/18/2022 13:26:01	873.3500	0	4,452	Line Equip	Line Equip	Line Equip	0	92,669
95,144	DEF	DEF Centra	LONGWOC	08/15/2022 02:56:00			3,710	3,710	Human Err	Human Err	Human Err	73,500	73,500
93,896	DEF	DEF North	CRYSTAL R	05/01/2022 00:33:03	05/01/2022 02:12:18	99.2500		31	O&M (Plar	O&M (Plar	Line Equipment - Stat		3,077
95,122	DEF	DEF North	Haines Cre	08/02/2022 19:20:38	08/26/2022 13:45:00	34,224.3667	0	7,686	Unknown	Unknown	Breaker Eq	0	1,158,935
95,734	DEF	DEF Centra	Winderme	09/04/2022 18:32:30			1,382	1,382	Weather/E	Weather/E	Relay and	25,025	25,025
91,828	DEF	DEF Centra	Winderme	05/14/2022 18:33:00	05/14/2022 22:05:52	212.8667	1,378	1,378	Unknown	Unknown	Unknown	30,634	30,634
92,244	DEF	DEF North	Occidental	05/23/2022 17:19:45	05/23/2022 17:21:45	2	0	1,281	Weather/E	Weather/E	Line Equip	0	2,434
96,012	DEF	DEF Centra	Myrtle Lak	09/13/2022 14:46:57	09/13/2022 14:49:30	2.5500	873	873	Human Err	Human Err	Human Err	68,619	68,619
96,034	DEF	DEF North	Crystal Riv	09/15/2022 16:22:49	09/15/2022 16:24:29	1.6667	1,430	7,101	Line Equip	Line Equip	Line Equip	304,584	378,307
89,832	DEF	DEF Coasta	TWIN COU	01/12/2022 07:19:00	01/12/2022 07:24:27	5.4500	4,606	16,415	Vandalism	Vandalism	Vandalism	22,849	92,700
91,268	DEF	DEF Centra	BONNET C	04/18/2022 06:58:00			1,977	1,977	Animal	Animal - R	Animal - R	95,855	95,855
91,322	DEF	DEF North	LEBANON	03/11/2022 19:58:01	03/11/2022 21:04:31	66.5000	1,292	1,292	Line Equip	Line Equip	Line Equip	30,652	30,652
90,142	DEF	DEF Coasta	SIXTEENTH	02/06/2022 12:51:00	02/06/2022 13:54:00	63	15,614	15,614	Transform	Transform	Transform	309,394	309,394
90,324	DEF	DEF North	Crystal Riv	02/18/2022 20:55:28	02/19/2022 07:23:00	627.5333	55	55	Bus Equipr	Bus Equipr	Bus Equipr	11,663	11,663
90,622	DEF	DEF North	Carrabelle	03/09/2022 09:35:41	03/09/2022 20:54:52	679.1833	1,015	1,015	Vegetatior	Vegetatior	Line Equip	11,165	11,165
92,546	DEF	DEF North	BELLEVIEW	05/31/2022 08:32:25	05/31/2022 18:10:24	577.9833	1,765	1,765	Breaker Ec	Breaker Ec	Breaker Eq	13,887	13,887
90,156	DEF	DEF Coasta	ZEPHYRHIL	02/05/2022 13:50:00	02/05/2022 13:57:00	7	15,601	15,601	Human Err	Human Err	Human Err	109,529	109,529
91,026	DEF	DEF North	ORANGE B	04/04/2022 09:53:44	04/04/2022 10:56:17	62.5500	335	335	Animal	Animal - U	Breaker Eq	21,105	21,105
92,558	DEF	DEF North	EUSTIS	05/27/2022 16:37:18	05/31/2022 00:00:00	4,762.7000	518	518	Vegetatior	Vegetatior	Breaker Eq	33,528	33,528
95,950	DEF	DEF North	Archer (AR	09/12/2022 04:10:41	09/12/2022 08:24:00	253.3167	0	4,707	Animal	Animal - Bi	Animal - Bi	0	451,872
90,604	DEF	DEF Coasta	HERNANDO	03/04/2022 09:49:00			2,849	2,849	Human Err	Human Err	Human Err	64,933	64,933
91,896	DEF	DEF Coasta	OAKHURST	05/07/2022 04:03:00			5,733	5,733	Animal	Animal - Bi	Animal - Bi	199,323	199,323
92,768	DEF	DEF Centra	CENTRAL F	06/07/2022 11:07:42			598	598	Breaker Ec	Breaker Ec	Breaker Eq	36,912	36,912
92,788	DEF	DEF Centra	Boggy Mar	06/09/2022 01:53:47	06/09/2022 09:18:25	444.6333	0	5	Human Err	Human Err	Breaker Eq	0	35
92,824	DEF	DEF Coasta	Tri-City (TF	06/10/2022 11:48:39	06/10/2022 12:01:17	12.6333	8,075	8,075	Breaker Ec	Breaker Ec	Breaker Eq	171,744	171,744

92,488	DEF	DEF Centra	TAFT	05/29/2022 07:10:19	05/31/2022 15:21:00	3,370.6833	269	269	Breaker Ec	Breaker Ec	Relay and	26,103	26,103
92,836	DEF	DEF Coasta	GE Pinellas	06/11/2022 07:53:09	06/11/2022 08:57:43	64.5667	1	1	Animal	Animal - Sc	Animal - Sc	77	77
93,460	DEF	DEF North	Georgia Pa	06/28/2022 20:20:18	06/28/2022 20:38:47	18.4833	0	4,669	Lightning	Lightning -	Breaker Eq	0	86,283
89,968	DEF	DEC Centra	EATONVILL	01/28/2022 09:45:30			2,172	2,172	Bus Equipr	Bus Equipr	Bus Equipr	72,852	72,852
90,634	DEF	DEF Centra	OVIEDO	03/08/2022 09:05:54	03/09/2022 00:00:00	894.1000	437	437	Line Equip	Line Equip	Breaker Eq	17,917	17,917
90,902	DEF	DEF Centra	APOPKA SC	03/16/2022 07:31:28	03/16/2022 07:43:52	12.4000	1,650	1,650	Line Equip	Line Equip	Line Equip	22,862	22,862
91,308	DEF	DEF North	MCINTOSH	04/15/2022 12:00:40	04/15/2022 14:06:54	126.2333	874	874	Animal	Animal - Bi	Animal - Bi	6,118	6,118
93,372	DEF	DEF Coasta	Crystal Riv	06/25/2022 15:20:44	06/26/2022 00:45:11	564.4500	0	10,976	Lightning	Lightning -	Line Equip	0	832,309
91,298	DEF	DEF Centra	MOUNT DO	04/07/2022 05:07:00				4,939	Relay and	Relay and	Relay and	Control Sys	199,909
93,414	DEF	DEF Centra	HAINES CI	06/24/2022 16:49:35	06/25/2022 08:09:33	919.9667	1,152	1,152	Weather/E	Weather/E	Breaker Eq	53,832	53,832
94,224	DEF	DEF Centra	Lake Placic	07/19/2022 14:32:35	07/22/2022 14:31:03	4,318.4667	3,837	3,837	Human Err	Human Err	Switch Equ	72,333	72,333
94,324	DEF	DEF Coasta	Pasadena (	07/23/2022 13:05:22	07/23/2022 14:23:34	78.2000	8,629	8,629	Animal	Animal - Bi	Animal - Bi	427,112	427,112
90,670	DEF	DEF North	Chiefland (	03/11/2022 19:57:34	03/12/2022 22:26:36	1,589.0333	0	1,668	Line Equip	Line Equip	Line Equip	0	7,873
91,084	DEF	DEF North	Bradfordvi	04/07/2022 00:25:31	04/07/2022 00:27:35	2.0667	0	6,450	Weather/E	Weather/E	Weather/E	0	11,610
94,730	DEF	DEF Centra	CASSELBEF	07/28/2022 15:24:13			3,303	3,303	Breaker Ec	Breaker Ec	Breaker Eq	307,179	307,179
91,542	DEF	DEF North	LAKE WEIR	05/02/2022 12:35:00			2,079	2,079	Transform	Transform	Transform	47,818	47,818
94,982	DEF	DEF Centra	BITHLO	07/28/2022 01:43:24	07/28/2022 02:36:06	52.7000	2,151	2,151	Breaker Ec	Breaker Ec	Breaker Eq	114,003	114,003
95,090	DEF	DEF North	Fort White	08/13/2022 17:00:43	08/13/2022 20:00:00	179.2833	0	1	Lightning	Lightning -	Line Equip	0	177
97,772	DEF	DEF North	SMITH POI	11/04/2022 09:20:00				47	Human Err	Human Err	Human Error -	Constr	1,713
97,404	DEF	DEF North	Brookridge	09/01/2022 17:40:30	09/02/2022 03:58:13	617.7167	0	3	Weather/E	Weather/E	Line Equip	0	736
97,082	DEF	DEF North	HIGH SPRI	08/03/2022 18:32:00	08/03/2022 18:54:00	22	1,132	1,132	Weather/E	Weather/E	Other - No	24,904	24,904
97,086	DEF	DEF North	JENNINGS	08/09/2022 23:59:00			521	521	O&M (Plar	O&M (Plar	O&M (Plar	69,814	69,814
97,074	DEF	DEF Coasta	NEW PORT	09/17/2022 09:53:00			2,126	2,126	Breaker Ec	Breaker Ec	Breaker Eq	26,222	26,222
97,596	DEF	DEF North	Cross City	11/28/2022 09:10:11	11/28/2022 09:12:39	2.4667	501	501	Vandalism	Vandalism	O&M (Plar	11,523	11,523
98,160	DEF		CROSSROA	11/20/2022 07:46:00			1,008	1,008	Breaker Ec	Breaker Ec	Breaker Eq	42,973	42,973
96,968	DEF	DEF Coasta	Oakhurst (	10/24/2022 00:40:21	10/24/2022 02:23:00	102.6500	7,336	7,336	Animal	Animal - Ra	Animal - Ra	439,035	439,035
97,076	DEF	DEF Centra	Avalon (AV	11/02/2022 11:17:54	11/02/2022 11:51:58	34.0667	10,242	10,242	Human Err	Human Err	-	348,228	348,228
97,078	DEF	DEF Centra	Hemple (H	11/02/2022 11:17:54	11/02/2022 11:51:07	33.2167	3,669	3,669	Human Err	Human Err	-	128,403	128,403
97,728	DEF	DEF Coasta	TANGERIN	09/23/2022 09:04:00			3,498	3,498	Human Err	Human Err	Relay and	4,407	4,407
97,868	DEF	DEF Centra	PARNELL R	04/07/2022 16:22:08	04/07/2022 19:06:00	163.8667		5	Line Equip	Line Equip	Line Equipment - Stat		819
97,080	DEF	DEF Coasta	STARKEY R	09/19/2022 14:54:00			2,660	2,660	Breaker Ec	Breaker Ec	Breaker Eq	53,575	53,575
98,268	DEF	DEF Coasta	DUNEDIN*	09/19/2022 10:09:00	09/19/2022 10:46:00	37	2,046	2,046	Breaker Ec	Breaker Ec	Breaker Eq	75,702	75,702
97,520	DEF	DEF Coasta	Crystal Riv	11/25/2022 01:22:30	11/25/2022 16:47:00	924.5000	0	10,976	Line Equip	Line Equip	Line Equip	0	476,035

ATTACHMENT B

OUTAGE_I	COMPANY	SECTION_AFFECT	LOCATION	OUTAGE_START_TIME	CIRCUIT_RESTORATION_	OUTAGEMINUTE	RETAIL_CU	GRIDCUST	INITIATINGCAUSE	SUSTAINEDCAUSE	FSO	RETAIL_CM	GRID_CMI
92,234	DEF	DEF Central	UCF	05/21/2022 21:50:47			3,481	3,481	Lightning - Lightning,Observed striking line or equipment	Lightning - Lightning,	N	211,016	211,016
96,362	DEF	DEF Central	Desoto City (DSOC) - Lake Placid North (LKPN) 69kV Line	09/28/2022 19:30:59	10/03/2022 17:32:27	7,081.4667		0	Weather/Environment - Hurricane	Line Equipment - Stri	N		0
96,364	DEF	DEF Central	North Bartow (NBTW) - West Lake Wales (WLWL) 69kV Line	09/28/2022 19:20:11	10/01/2022 20:39:01	4,398.8333		0	Weather/Environment - Hurricane	Line Equipment - Stri	N		0
96,488	DEF	DEF Central	Hines (HINE) - Hines Aux2 (HINE) 230kV Line	09/29/2022 14:12:48				0	Weather/Environment - Hurricane	Transformer Equipm	N		0
96,490	DEF		Deland West (DELW) - Orange City (ORNC) 230kV Line	09/29/2022 13:23:04	09/30/2022 15:18:23	1,555.3167		0	Weather/Environment - Hurricane	-	N		0
96,256	DEF	DEF Central	Vandolah (VAND) - Wauchula POD (WACP) 69kV Line	09/28/2022 05:50:18	09/28/2022 05:51:38	1.3333		0	Weather/Environment - Hurricane	Line Equipment - Stri	N		0
96,270	DEF		Lake Branch (LKBR) Mosaic Feeder (K5654)	09/28/2022 09:17:55				0	Weather/Environment - Hurricane	-	N		0
96,292	DEF	DEF Central	North Bartow (NBTW) - (TECO) South Eloise (SOEL) 230kV Line	09/28/2022 15:25:42	09/28/2022 15:32:19	6.6167		0	Weather/Environment - Hurricane	Customer / Other Ut	N		0
96,300	DEF	DEF Coastal	Largo (LRGO) BK2	09/28/2022 16:15:42	09/29/2022 18:58:23	1,602.6833		0	Weather/Environment - Hurricane	Bus Equipment - Insu	N		0
96,312	DEF	DEF Central	Dry Prairie (DRPR) - DPMX3 Mosaic Feeder 69kV (DPMX3 Line)	09/28/2022 17:08:50	10/01/2022 11:53:00	4,004.1667		0	Weather/Environment - Hurricane	Other - No Reclose b	N		0
96,314	DEF	DEF Central	Fort Green Springs (FGNS) - Vandolah (VAND) 69kV Circuit 1	09/28/2022 17:24:14	09/30/2022 14:48:47	2,724.5500		0	Weather/Environment - Hurricane	Weather/Environme	N		0
96,316	DEF	DEF Central	Dundee (DUND) - Lake Wales (LKWL) 69kV Line	09/28/2022 17:22:01	10/04/2022 14:13:59	8,451.9667		0	Weather/Environment - Hurricane	Line Equipment - Stri	N		0
96,318	DEF	DEF Coastal	16th Street (ST16) - Bayboro South (BYBS) 115kV Line	09/28/2022 17:21:56	09/29/2022 11:16:36	1,074.6667		0	Weather/Environment - Hurricane	Line Equipment - Phy	N		0
96,338	DEF	DEF Central	Hines (HINE) ST1S	09/28/2022 16:50:10	09/28/2022 16:50:11	0.0167		0	Weather/Environment - Hurricane	Transformer Equipm	N		0
96,352	DEF	DEF North	Beverly Hills (BEVH) - Lecanto (LECA) 115kV Line	09/28/2022 19:01:02	09/28/2022 19:01:06	0.0667		0	Weather/Environment - Hurricane	-	N		0
96,354	DEF	DEF Coastal	Clearwater (CLWR) - East Clearwater (ECLW) 69kV Line	09/28/2022 18:57:07	09/28/2022 18:57:15	0.1333		0	Weather/Environment - Hurricane	-	N		0
96,356	DEF	DEF Central	Lake Branch (LKBR) BK1	09/28/2022 18:56:05	10/01/2022 16:33:43	4,177.6333		0	Weather/Environment - Hurricane	Weather/Environme	N		0
96,358	DEF	DEF Central	Parker Branch (PKBR) - PBMX2 Mosaic Feeder 69kV (PBMX2 Line)	09/28/2022 18:50:06	10/05/2022 10:50:56	9,600.8333		0	Weather/Environment - Hurricane	Other - No Reclose b	N		0
96,366	DEF	DEF North	Occidental 1 (OC1L) - N355 Nutrien Feeder 25kV (N355 Line)	09/28/2022 19:56:19	09/28/2022 22:06:30	130.1833		0	Customer / Other Util Equip Problems - Customer's Line Equipment (Non-Duke)	Other - No Reclose b	N		0
96,368	DEF	DEF Central	Dry Prairie (DRPR) - DPMX2 Mosaic Feeder 69kV (DPMX2 Line)	09/28/2022 19:54:33	09/30/2022 16:47:27	2,692.9000		0	Weather/Environment - Hurricane	Other - No Reclose b	N		0
96,384	DEF		Cassadaga (CASA) - (NSB) Smyra (SMYR) 115kV Line	09/28/2022 21:29:24	09/28/2022 21:29:24	0		0	Weather/Environment - Hurricane	-	N		0

96,390	DEF	DEF Central	Country Oaks (COAK) - Lake Wales (LKWL) 69kV Line	09/28/2022 22:40:33	09/28/2022 22:40:49	0.2667	0	Weather/Environment - Hurricane	Line Equipment - Stri	N	0
96,392	DEF	DEF Central	Hines (HINE) CT2A	09/28/2022 22:25:59	09/28/2022 22:26:00	0.0167	0	Weather/Environment - Hurricane	Transformer Equipm	N	0
96,394	DEF	DEF Central	Hines (HINE) CT2B	09/28/2022 22:25:59	09/28/2022 22:26:00	0.0167	0	Weather/Environment - Hurricane	Transformer Equipm	N	0
96,396	DEF	DEF Central	Hines (HINE) ST2S	09/28/2022 22:25:59	09/28/2022 22:26:00	0.0167	0	Weather/Environment - Hurricane	Transformer Equipm	N	0
96,398	DEF	DEF Central	Hines (HINE) - Hines Aux2 (HINE) 230kV Line	09/28/2022 22:25:56	09/28/2022 23:52:33	86.6167	0	Weather/Environment - Hurricane	Transformer Equipm	N	0
96,400	DEF	DEF Central	Avalon (AVLN) - Windermere (WIND) 230kV Line	09/28/2022 22:21:15	09/29/2022 14:09:38	948.3833	0	Weather/Environment - Hurricane	Breaker Equipment -	N	0
96,416	DEF	DEF Central	Mulberry (MLBY) - Northwest City of Bartow (NWST) 69kV Line	09/29/2022 01:13:43	09/29/2022 01:13:50	0.1167	0	Weather/Environment - Hurricane	-	N	0
96,442	DEF		Apopka South (APOP) - Woodsmere (WOOD) 69kV Line	09/29/2022 07:16:22	09/30/2022 16:40:28	2,004.1000	0	Weather/Environment - Hurricane	-	N	0
96,470	DEF		Deltona (DTNA) - Monastery (MONA) 115kV Line	09/29/2022 11:28:55	09/29/2022 11:29:02	0.1167	0	Weather/Environment - Hurricane	-	N	0
96,484	DEF		Barberville (BARB) - Deland West (DELW) 69kV Line	09/29/2022 13:27:41	09/30/2022 21:16:00	1,908.3167	0	Weather/Environment - Hurricane	Vegetation - Tree/Tr	N	0
96,486	DEF		Deland West (DELW) - Deleon Springs (DLON) 115kV Line	09/29/2022 13:27:49	09/29/2022 13:27:55	0.1000	0	Weather/Environment - Hurricane	Vegetation - Tree/Tr	N	0
89,734	DEF	DEF Coastal	Taylor Avenue (TYLR) - Walsingham (WALS) 69kV Line	01/16/2022 06:04:29	01/16/2022 06:04:49	0.3333	0	Lightning - Lightning,Correlated in lightning detection systm)	-	N	0
90,710	DEF	DEF North	Monticello (MCLO) - (SOCO) Boston (BOST) 69kV Line	03/12/2022 11:50:43	03/12/2022 16:23:52	273.1500	0	Weather/Environment - Wind	-	N	0
90,712	DEF	DEF Central	Dry Prairie (DRPR) - DPMX3 Mosaic Feeder 69kV (DPMX3 Line)	03/12/2022 11:14:22	03/12/2022 12:17:46	63.4000	0	Customer / Other Util Equip Problems - Customer's Line Equipment (Non-Duke)	Other - No Reclose b	N	0
90,714	DEF	DEF Central	Vandolah (VAND) - Wauchula POD (WACP) 69kV Line	03/12/2022 10:54:11	03/12/2022 10:55:15	1.0667	0	Unknown - Unknown	Other - No Reclose b	N	0
96,502	DEF		Piedmont (PIED) - Spring Lake (SPLK) 69kV Line	09/29/2022 14:20:34	10/04/2022 18:00:16	7,419.7000	0	Weather/Environment - Hurricane	-	N	0
96,554	DEF	DEF Central	Dry Prairie (DRPR) BK1	09/29/2022 16:19:12	09/30/2022 13:52:34	1,293.3667	0	Weather/Environment - Hurricane	Weather/Environme	N	0
96,626	DEF	DEF Coastal	Anclote (ANCL) G2	09/30/2022 23:19:16	09/30/2022 23:19:17	0.0167	0	Weather/Environment - Hurricane	Generating Unit - Au	N	0
96,628	DEF	DEF Central	Lakewood (LKWD) BK1	09/30/2022 18:48:51	09/30/2022 19:04:23	15.5333	0	Weather/Environment - Hurricane	Switch Equipment/M	N	0
96,630	DEF	DEF Central	Lakewood (LKWD) BK2	09/30/2022 18:48:51	09/30/2022 22:41:45	232.9000	0	Weather/Environment - Hurricane	Switch Equipment/M	N	0
96,632	DEF	DEF Central	Barnum City (BNMC) - Westridge (WRDG) 69kV Line	09/30/2022 18:08:30	09/30/2022 18:09:23	0.8833	0	Weather/Environment - Hurricane	-	N	0

96,260	DEF	DEF Central	Vandolah (VAND) - Wauchula POD (WACP) 69kV Line	09/28/2022 07:45:18	09/28/2022 10:31:10	165.8667		0	Weather/Environment - Hurricane	Line Equipment - Stri	N			0
96,280	DEF		Occidental Swift Creek 1 (OSC1) Nutrien Feeder (N494) Load	09/28/2022 11:46:18				0	Weather/Environment - Hurricane	-	N			0
96,306	DEF	DEF Central	Bithlo (BTLO) - UCF (UCFL) 69kV Line	09/28/2022 16:53:04	09/29/2022 13:15:45	1,222.6833		0	Weather/Environment - Hurricane	Weather/Environme	N			0
96,310	DEF	DEF Central	Fort Green 10 (FG10) - F10MX Mosaic Feeder 25kV (F10MX Line)	09/28/2022 17:03:11	10/04/2022 13:42:29	8,439.3000		0	Weather/Environment - Hurricane	Other - No Reclose b	N			0
96,344	DEF	DEF Central	North Bartow (NBTW) - (TECO) South Eloise (SOEL) 230kV Line	09/28/2022 18:13:14	09/28/2022 18:13:14	0		0	Weather/Environment - Hurricane	-	N			0
96,346	DEF	DEF Central	Avon Park (AVPK) - Fort Meade (FTMD) 230kV Line	09/28/2022 18:08:25	09/29/2022 18:08:00	1,439.5833		0	Weather/Environment - Hurricane	Line Equipment - Sta	N			0
96,348	DEF	DEF Central	Desoto City (DSOC) - Lake Placid North (LKPN) 69kV Line	09/28/2022 18:29:49	09/28/2022 18:29:55	0.1000		0	Weather/Environment - Hurricane	Line Equipment - Stri	N			0
96,350	DEF	DEF Central	Dry Prairie (DRPR) - Vandolah (VAND) 230kV Line	09/28/2022 18:30:03	09/30/2022 17:16:51	2,806.8000		0	Weather/Environment - Hurricane	Line Equipment - Insı	N			0
96,382	DEF		Cassadaga (CASA) - (NSB) Smyra (SMYR) 115kV Line	09/28/2022 21:19:00	09/28/2022 21:19:01	0.0167		0	Weather/Environment - Hurricane	-	N			0
96,418	DEF	DEF Central	Holopaw (HOLO) - West Lake Wales (WLWL) 230kV Line	09/29/2022 01:54:50	09/29/2022 01:54:56	0.1000		0	Weather/Environment - Hurricane	-	N			0
96,436	DEF		Barberville (BARB) - Deland West (DELW) 69kV Line	09/29/2022 06:32:16	09/29/2022 06:32:24	0.1333		0	Weather/Environment - Hurricane	-	N			0
96,450	DEF		Barberville (BARB) - Deland West (DELW) 69kV Line	09/29/2022 09:21:27	09/29/2022 09:21:35	0.1333		0	Weather/Environment - Hurricane	-	N			0
96,466	DEF	DEF Coastal	Tri-City (TRIC) 115kV Bus 2	09/29/2022 11:01:09	09/29/2022 11:50:00	48.8500		0	Weather/Environment - Hurricane	Breaker Equipment -	N			0
96,468	DEF	DEF Coastal	Tri-City (TRIC) BK3	09/29/2022 11:01:09	09/29/2022 11:50:00	48.8500		0	Weather/Environment - Hurricane	Breaker Equipment -	N			0
96,532	DEF	DEF Central	Lake Placid (LPLC) - Lake Placid North (LKPN) 69kV Line	09/28/2022 20:02:26	09/29/2022 18:35:04	1,352.6333		0	Weather/Environment - Hurricane	Weather/Environme	N			0
96,566	DEF	DEF Central	Conway (CNWY) - Narcoossee (NARC) 69kV Line	09/30/2022 15:24:16	09/30/2022 15:24:26	0.1667		0	Weather/Environment - Hurricane	-	N			0
96,624	DEF	DEF Coastal	40th Street (ST40) 13kV Bus 1	09/30/2022 18:57:01	09/30/2022 19:55:37	58.6000		0	Weather/Environment - Hurricane	Breaker Equipment -	N			0
96,660	DEF	DEF Central	Fisheating Creek (FISH) - Sun N Lakes (SUNL) 69kV Line	10/02/2022 11:01:43	10/02/2022 11:02:31	0.8000		0	O&M (Planned or Scheduled) - Return to Normal	-	N			0
89,768	DEF	DEF North	Fort White (FWHT) - Jasper South (JASS) 115kV West Circuit	01/16/2022 12:22:57	01/17/2022 15:15:19	1,612.3667	0	4,369	Line Equipment - Physical Connection (LineConnectors,Clamps, etc.)	Line Equipment - Phy	N	0	7,558	
96,680	DEF	DEF North	Mobile 04 (MS04) BK1	09/30/2022 13:08:22	09/30/2022 13:43:49	35.4500		0	Customer / Other Util Equip Problems - Customer's Substation Equipment (Non-Duke)	Customer / Other Ut	N			0

92,132	DEF	DEF North	Camp Lake (CAMP) - Howey Metering 2 (HOWN) 69kV Line	05/21/2022 19:25:47	05/21/2022 19:25:55	0.1333		0	Lightning - Lightning,Correlated in lightning detection systm)	-	N			0
92,134	DEF	DEF Central	Fort Meade (FTMD) - Hines (HINE) 230kV Line	05/21/2022 19:22:58	05/22/2022 19:38:00	1,455.0333		0	Weather/Environment - Lightning Suspected, yet not correlated	Line Equipment - Sta	N			0
92,136	DEF	DEF Central	Avalon (AVLN) - Lake Luntz (LUNZ) 69kV Line	05/21/2022 19:14:22	05/21/2022 19:14:30	0.1333		0	Lightning - Lightning,Correlated in lightning detection systm)	-	N			0
92,140	DEF	DEF Central	Hemple (HEMP) - Ocoee (OCOE) 69kV Line	05/21/2022 21:15:04	05/21/2022 21:15:23	0.3167		0	Lightning - Lightning,Correlated in lightning detection systm)	-	N			0
92,142	DEF	DEF Central	Frostproof (FSPF) - Lake Wales (LKWL) 69kV Line	05/21/2022 20:28:34	05/21/2022 20:28:47	0.2167		0	Weather/Environment - Wind	-	N			0
92,222	DEF	DEF Central	BITHLO	05/21/2022 21:37:00	05/23/2022 16:37:01	2,580.0167	2,150	2,150	Weather/Environment - Under Investigation (Weather?)	Breaker Equipment -	N	172,000	172,000	
91,506	DEF	DEF Coastal	Bartow (BART) - Bartow Aux Load 1B 1D (BART) 230kV Line	05/02/2022 12:34:25	05/05/2022 13:19:00	4,364.5833		0	Generating Unit - Aux Equipment (Generator)	Generating Unit - Au	N			0
92,066	DEF		Occidental Swift Creek 2 (OSC2) - N364 Nutrien Feeder 25kV (N364 Line)	05/21/2022 14:25:36	05/21/2022 15:30:11	64.5833		0	Customer / Other Util Equip Problems - Customer's Line Equipment (Non-Duke)	-	N			0
92,068	DEF		Occidental 1 (OC1L) - N355 Nutrien Feeder 25kV (N355 Line)	05/21/2022 14:23:57	05/21/2022 15:15:49	51.8667		0	Customer / Other Util Equip Problems - Customer's Line Equipment (Non-Duke)	-	N			0
92,128	DEF	DEF Central	Lake Branch (LKBR) - K5654 Mosaic Feeder 25kV (K5654MX Line)	05/21/2022 19:46:53	05/21/2022 19:47:01	0.1333		0	Customer / Other Util Equip Problems - Customer's Line Equipment (Non-Duke)	-	N			0
92,130	DEF		Howey Metering #2 (HOWN) - Okahumpka (OKHP) 69kV Line	05/21/2022 19:32:38	05/21/2022 19:34:08	1.5000		0	Lightning - Lightning,Correlated in lightning detection systm)	-	N			0
96,444	DEF		North Longwood (NLGW) - Winter Springs (WISP) 69kV Line	09/29/2022 08:53:03	09/30/2022 15:42:00	1,848.9500		0	Weather/Environment - Hurricane	-	N			0
96,446	DEF		Winter Springs (WISP) BK2	09/29/2022 08:53:03				0	Weather/Environment - Hurricane	-	N			0
96,448	DEF		Winter Springs (WISP) BK4	09/29/2022 08:53:03				0	Weather/Environment - Hurricane	-	N			0
92,226	DEF	DEF Central	PIEDMONT	05/21/2022 21:40:35	05/21/2022 23:29:09	108.5667	5,931	5,931	Weather/Environment - Lightning Suspected, yet not correlated	Weather/Environme	N	247,877	247,877	
96,262	DEF		Lake Branch (LKBR) Mosaic Feeder (K5654)	09/28/2022 08:11:35				0	Weather/Environment - Hurricane	-	N			0
96,308	DEF	DEF Central	Barcola (BARC) - Fort Meade (FTMD) 69kV Line	09/28/2022 16:47:07	10/04/2022 17:57:00	8,709.8833		0	Weather/Environment - Hurricane	Line Equipment - Str	N			0

96,342	DEF	DEF Central	Desoto City (DSOC) - Phillips (PHIL) - Dinner Lake (DNRL) 69kV Line	09/28/2022 18:06:37	09/28/2022 18:06:41	0.0667	0	Weather/Environment - Hurricane	Vegetation - Tree Fal	N		0
96,360	DEF	DEF Central	Vandolah (VAND) - (PRECO) Murphy Road (MRF1) 69kV Line	09/28/2022 19:06:19	09/29/2022 19:20:12	1,453.8833	0	Weather/Environment - Hurricane	Weather/Environme	N		0
96,370	DEF	DEF Central	Barcola (BARC) - (TECO) Pebbledale (PBBL) 230kV Line	09/28/2022 20:03:44	09/28/2022 20:03:48	0.0667	0	Weather/Environment - Hurricane	-	N		0
96,372	DEF	DEF Central	Lake Placid Solar (LKPS) - Lake Placid North (LKPN) 69kV Line	09/28/2022 20:02:27	09/29/2022 19:00:11	1,377.7333	0	Weather/Environment - Hurricane	Weather/Environme	N		0
96,374	DEF	DEF Central	Fisheating Creek (FISH) - Lake Placid (LPLC) 69kV Line	09/28/2022 20:02:26	09/29/2022 11:59:00	956.5667	0	Weather/Environment - Hurricane	Weather/Environme	N		0
96,376	DEF	DEF Central	Fort Meade (FTMD) - Sand Mountain (SMTN) 69kV Line	09/28/2022 20:26:00	09/29/2022 13:44:48	1,038.8000	0	Weather/Environment - Hurricane	Weather/Environme	N		0
96,434	DEF		Barberville (BARB) - Deland West (DELW) 69kV Line	09/29/2022 05:34:58	09/29/2022 05:35:05	0.1167	0	Weather/Environment - Hurricane	-	N		0
96,438	DEF	DEF Central	Fort Meade (FTMD) - Homeland (HMLD) 69kV Line	09/28/2022 22:05:00	09/29/2022 14:47:08	1,002.1333	0	Weather/Environment - Hurricane	Weather/Environme	N		0
96,440	DEF		Deltona East (DTNE) - Turner (TURN) 115kV Line	09/29/2022 07:12:47	09/29/2022 07:13:36	0.8167	0	Weather/Environment - Hurricane	-	N		0
96,456	DEF		Barberville (BARB) - Deland West (DELW) 69kV Line	09/29/2022 10:22:27	09/29/2022 10:22:35	0.1333	0	Weather/Environment - Hurricane	-	N		0
96,458	DEF		UCF (UCFL) - Winter Park East (WPKE) 69kV Line	09/29/2022 10:31:29	09/30/2022 13:44:39	1,633.1667	0	Weather/Environment - Hurricane	-	N		0
96,460	DEF		UCF (UCFL) - Winter Park East (WPKE) 69kV Line	09/29/2022 10:27:59	09/29/2022 10:28:49	0.8333	0	Weather/Environment - Hurricane	-	N		0
96,462	DEF	DEF Central	Florida Gas Transmission East (FGTE) - Wewahootee (WWHO) 69kV Line	09/29/2022 10:39:45	10/01/2022 19:26:30	3,406.7500	0	Weather/Environment - Hurricane	Line Equipment - Stri	N		0
96,464	DEF		Oviedo (OVDO) - Winter Springs (WISP) 69kV Line	09/29/2022 10:37:55	09/29/2022 10:37:59	0.0667	0	Weather/Environment - Hurricane	-	N		0
89,738	DEF	DEF Coastal	Northeast (NOEA) - Pilsbury (PLSB) 115kV Line	01/16/2022 06:30:44	01/16/2022 12:37:06	366.3667	0	Weather/Environment - Lightning Suspected, yet not correlated	Other - No Reclose b	N		0
89,740	DEF	DEF Coastal	16th Street (ST16) - 40th Street (ST40) 115kV Line	01/16/2022 06:27:15	01/16/2022 06:27:22	0.1167	0	Weather/Environment - Lightning Suspected, yet not correlated	-	N		0
89,742	DEF	DEF Coastal	Bayboro South (BYBS) - Central Plaza (CPLZ) 115kV Line	01/16/2022 06:24:45	01/16/2022 06:27:30	2.7500	0	Weather/Environment - Lightning Suspected, yet not correlated	Other - No Reclose b	N		0
92,112	DEF		Occidental Swift Creek 2 (OSC2) - N364 Nutrien Feeder 25kV (N364 Line)	05/21/2022 18:25:27	05/21/2022 19:56:28	91.0167	0	Customer / Other Util Equip Problems - Customer's Line Equipment (Non-Duke)	-	N		0
92,114	DEF		Occidental Swift Creek 1 (OSC1) - N494 Nutrien Feeder 25kV (N494 Line)	05/21/2022 18:16:12	05/21/2022 18:38:58	22.7667	0	Customer / Other Util Equip Problems - Customer's Line Equipment (Non-Duke)	-	N		0

92,116	DEF		Occidental 1 (OC1L) - N362 Nutrien Feeder 25kV (N362 Line)	05/21/2022 18:12:11	05/21/2022 19:30:00	77.8167		0	Customer / Other Util Equip Problems - Customer's Line Equipment (Non-Duke)	-	N			0
92,118	DEF	DEF North	Reddick (RDDK) - Williston (WLST) 69kV Line	05/21/2022 18:09:11	05/22/2022 06:49:01	759.8333	3,468	6,587	Animal - Bird Nest	Animal - Bird Nest	N		298,248	306,357
92,120	DEF	DEF North	Fort White (FWHT) - Perry (PRRY) 69kV FP Line	05/21/2022 17:28:53	05/21/2022 17:29:01	0.1333		0	Lightning - Lightning,Correlated in lightning detection systm)	-	N			0
92,124	DEF		Occidental 1 (OC1L) - N355 Nutrien Feeder 25kV (N355 Line)	05/21/2022 16:48:51	05/21/2022 18:22:01	93.1667		0	Customer / Other Util Equip Problems - Customer's Line Equipment (Non-Duke)	-	N			0
96,508	DEF	DEF North	Beverly Hills (BEVH) - Lecanto (LECA) 115kV Line	09/29/2022 19:19:28	09/29/2022 19:46:16	26.8000		0	Weather/Environment - Hurricane	Line Equipment - Sta	N			0
96,512	DEF	DEF Central	International Drive (INTD) BK3	09/30/2022 03:19:25	09/30/2022 18:19:54	900.4833		0	Weather/Environment - Hurricane	Weather/Environme	N			0
96,516	DEF	DEF Central	Lake Placid North (LKPN) 69kV Bus 1	09/28/2022 20:02:27	09/29/2022 18:49:13	1,366.7667		0	Weather/Environment - Hurricane	Weather/Environme	N			0
96,528	DEF	DEF Central	Lake Branch (LKBR) - K5654 Mosaic Feeder 25kV (K5654MX Line)	09/28/2022 08:11:35	09/28/2022 08:11:43	0.1333		0	Weather/Environment - Hurricane	-	N			0
96,808	DEF	DEF Coastal	Bartow (BART) - Bartow Aux Load 1A 1C (BART) 230kV Line	10/12/2022 15:50:15	10/12/2022 19:33:55	223.6667		0	Human Error - Maintenance Personnel (Power Delivery)	Generating Unit - Au	N			0
96,268	DEF		Lake Branch (LKBR) Mosaic Feeder (K5656)	09/28/2022 09:05:20				0	Weather/Environment - Hurricane	-	N			0
96,278	DEF	DEF Central	Vandolah (VAND) - Wauchula POD (WACP) 69kV Line	09/28/2022 10:45:59	10/04/2022 19:18:42	9,152.7167		0	Weather/Environment - Hurricane	Line Equipment - Stri	N			0
96,340	DEF	DEF Coastal	51st Street (ST51) - Maximo (MXMO) 115kV Line	09/28/2022 17:58:21	09/30/2022 12:38:57	2,560.6000		0	Weather/Environment - Hurricane	Line Equipment - Phy	N			0
96,378	DEF	DEF Central	Hines (HINE) - Hines Aux1 (HINE) 230kV Line	09/28/2022 20:46:20	09/28/2022 23:12:43	146.3833		0	Weather/Environment - Hurricane	Transformer Equipm	N			0
96,386	DEF	DEF Central	Avon Park (AVPK) - Wauchula POD (WACP) 69kV Line	09/28/2022 21:47:13	09/29/2022 18:09:31	1,222.3000		0	Weather/Environment - Hurricane	Line Equipment - Stri	N			0
96,388	DEF		Deltona East (DTNE) - Turner (TURN) 115kV Line	09/28/2022 22:15:09	09/28/2022 22:15:21	0.2000		0	Weather/Environment - Hurricane	-	N			0
96,404	DEF	DEF Central	South Fort Meade (SFMD) - K739 Mosaic Feeder 25kV (K739MX Line)	09/29/2022 00:06:05	10/05/2022 16:26:53	9,620.8000		0	Weather/Environment - Hurricane	Customer / Other Ut	N			0
96,406	DEF		Howey Metering #2 (HOWN) - Okahumpka (OKHP) 69kV Line	09/28/2022 23:57:33	09/29/2022 12:15:40	738.1167		0	Weather/Environment - Hurricane	-	N			0
96,408	DEF		Umatilla POD (UMAP) - (SECO) Paisley (PAY3) 69kV Line	09/29/2022 01:01:57	09/29/2022 01:02:53	0.9333		0	Weather/Environment - Hurricane	-	N			0
96,410	DEF		Barberville (BARB) - Deland West (DELW) 69kV Line	09/29/2022 00:57:38	09/30/2022 07:46:29	1,848.8500		0	Weather/Environment - Hurricane	-	N			0
96,412	DEF		Barberville (BARB) - (FPL) Deland (DLND) - (FPL) Putnam (PTNM) 115kV Line	09/28/2022 23:09:00	09/29/2022 21:52:56	1,363.9333		0	Weather/Environment - Hurricane	-	N			0

96,414	DEF	DEF Central	Cypresswood (CYPW) - Dundee (DUND) 69kV Line	09/29/2022 01:03:10	10/04/2022 14:04:20	7,981.1667	0	Weather/Environment - Hurricane	Line Equipment - Stri	N		0
96,420	DEF		Cassadaga (CASA) - Monastery (MONA) 115kV Line	09/29/2022 02:38:15	09/29/2022 02:38:25	0.1667	0	Weather/Environment - Hurricane	-	N		0
96,422	DEF		UCF (UCFL) - Winter Park East (WPKE) 69kV Line	09/29/2022 02:22:10	09/29/2022 02:22:20	0.1667	0	Weather/Environment - Hurricane	-	N		0
96,424	DEF		Eustis South (EUSS) - Tavares (TVRS) 69kV Line	09/29/2022 02:13:00	09/29/2022 02:13:04	0.0667	0	Weather/Environment - Hurricane	-	N		0
96,426	DEF	DEF Central	Champions Gate (CHMP) - Davenport (DVPT) 69kV Line	09/29/2022 01:47:45	09/29/2022 13:16:10	688.4167	0	Weather/Environment - Hurricane	Relay and Control Sy	N		0
96,430	DEF	DEF Central	Haines City (HAIN) - Haines City East (HCTE) 69kV Line	09/29/2022 01:47:45	09/29/2022 16:03:00	855.2500	0	Weather/Environment - Hurricane	Line Equipment - Sta	N		0
96,474	DEF	DEF North	Mobile 04 (MS04) BK1	09/28/2022 23:29:01	09/29/2022 14:29:30	900.4833	0	Weather/Environment - Hurricane	Customer / Other Ut	N		0
96,494	DEF	DEF North	Occidental 1 (OC1L) - N355 Nutrien Feeder 25kV (N355 Line)	09/29/2022 15:23:52	09/29/2022 16:17:01	53.1500	0	Customer / Other Util Equip Problems - Customer's Line Equipment (Non-Duke)	Other - No Reclose b	N		0
96,506	DEF		Deltona (DTNA) - Monastery (MONA) 115kV Line	09/29/2022 19:52:56	09/29/2022 19:53:00	0.0667	0	Weather/Environment - Hurricane	-	N		0
96,320	DEF	DEF Central	Fort Green Springs (FGNS) - Vandolah (VAND) 69kV Circuit 2	09/28/2022 17:29:03	09/30/2022 14:43:49	2,714.7667	0	Weather/Environment - Hurricane	Weather/Environme	N		0
96,452	DEF		UCF (UCFL) - Winter Park East (WPKE) 69kV Line	09/29/2022 10:07:33	09/29/2022 10:07:43	0.1667	0	Weather/Environment - Hurricane	-	N		0
89,774	DEF	DEF Central	Debary (DBRY) - Debary P9 + P10 (DBRY) 230kV Line	01/16/2022 13:51:10	01/16/2022 19:43:26	352.2667	0	Bus Equipment - Under Investigation (Bus?)	-	N		0
90,726	DEF	DEF Coastal	Brooksville (BKVL) - Hammock (HMMK) 69kV Line	03/12/2022 12:41:21	03/12/2022 12:41:21	0	0	Weather/Environment - Under Investigation (Weather?)	-	N		0
90,680	DEF	DEF North	Inglis (INGL) - Powerline (PWRL) 115kV Circuit 1	03/12/2022 07:37:31	03/12/2022 07:37:38	0.1167	0	Weather/Environment - Wind	Other - No Reclose b	N		0
90,682	DEF	DEF North	Powerline (PWRL) BK 1	03/12/2022 07:37:31	03/12/2022 08:54:36	77.0833	0	Human Error - Incorrect Relay Setting	Other - No Reclose b	N		0
90,728	DEF	DEF North	Drifton (DFTN) - Monticello (MCLO) 69kV Line	03/12/2022 12:39:50	03/12/2022 12:39:58	0.1333	0	Unknown - Unknown, but not Lightning.	-	N		0
96,496	DEF	DEF Central	Duette Solar (DTSO) - Dry Prairie (DRPR) 69kV Line	09/29/2022 16:19:13	09/30/2022 14:25:52	1,326.6500	0	Weather/Environment - Hurricane	Weather/Environme	N		0
96,498	DEF	DEF Central	Dry Prairie (DRPR) - Fort Meade (FTMD) 230kV Line	09/29/2022 16:19:12	09/30/2022 13:27:35	1,268.3833	0	Weather/Environment - Hurricane	Weather/Environme	N		0
96,294	DEF	DEF Central	North Bartow (NBTW) - Orange Switching (ORSW) 69kV Line	09/28/2022 16:09:10	10/01/2022 22:01:32	4,672.3667	0	Weather/Environment - Hurricane	Line Equipment - Stri	N		0
96,296	DEF	DEF Coastal	Pilsbury (PLSB) 13kV Bus 2	09/28/2022 16:03:29	09/29/2022 10:49:19	1,125.8333	0	Weather/Environment - Hurricane	Vegetation - Under In	N		0
96,284	DEF		Peacock (PCOK) Mosaic Feeder (5584)	09/28/2022 12:20:00			0	Weather/Environment - Hurricane	-	N		0

96,286	DEF	DEF Coastal	16th Street (ST16) - Bayboro South (BYBS) 115kV Line	09/28/2022 13:39:00	09/28/2022 15:17:00	98		0	Weather/Environment - Hurricane	Line Equipment - Sta	N		0
96,288	DEF	DEF Coastal	16th Street (ST16) - 40th Street (ST40) 115kV Line	09/28/2022 13:39:00	09/29/2022 11:16:02	1,297.0333		0	Weather/Environment - Hurricane	Line Equipment - Sta	N		0
92,138	DEF		Occidental 1 (OC1L) - N360 Nutrien Feeder 25kV (N360 Line)	05/21/2022 20:09:54	05/23/2022 07:56:43	2,146.8167		0	Customer / Other Util Equip Problems - Customer's Line Equipment (Non-Duke)	-	N		0
92,256	DEF	DEF Central	ARBUCKLE CREEK	05/21/2022 18:51:00	05/21/2022 21:21:42	150.7000	1,574	1,574	Public Interference - Vehicle	Public Interference -	N	235,216	235,216
96,302	DEF	DEF Coastal	Central Plaza (CPLZ) - Maximo (MXMO) 115kV Line	09/28/2022 16:22:37	09/28/2022 16:22:39	0.0333		0	Weather/Environment - Hurricane	-	N		0
92,040	DEF	DEF Central	Hines (HINE) CT1A	05/21/2022 07:18:46	05/21/2022 07:18:47	0.0167		0	Generating Unit - Aux Equipment (Generator)	-	N		0
90,674	DEF	DEF North	Fort White (FWHT) - Jasper South (JASS) 115kV West Circuit	03/12/2022 05:15:06	03/12/2022 05:16:32	1.4333		0	Weather/Environment - Lightning Suspected, yet not correlated	Weather/Environme	N		0
96,266	DEF	DEF Central	Lake Branch (LKBR) - K5656 Mosaic Feeder 25kV (K5656MX Line)	09/28/2022 08:47:07	09/28/2022 08:47:15	0.1333		0	Weather/Environment - Hurricane	-	N		0
97,290	DEF	DEF North	Occidental 1 (OC1L) - N353 Nutrien Feeder 25kV (N353 Line)	11/10/2022 09:53:27	11/10/2022 17:34:32	461.0833		0	Weather/Environment - Hurricane	Other - No Reclose b	N		0
97,334	DEF	DEF North	Occidental Swift Creek 2 (OSC2) - N363 Nutrien Feeder 25kV (N363 Line)	11/10/2022 13:21:11	11/10/2022 16:47:00	205.8167		0	Weather/Environment - Hurricane	Other - No Reclose b	N		0
97,328	DEF		Apopka South (APOP) - Woodsmere (WOOD) 69kV Line	11/10/2022 12:09:45	11/10/2022 16:08:10	238.4167		0	Weather/Environment - Hurricane	-	N		0
97,326	DEF	DEF North	Occidental Swift Creek 2 (OSC2) - N364 Nutrien Feeder 25kV (N364 Line)	11/10/2022 11:48:02	11/10/2022 12:28:32	40.5000		0	Weather/Environment - Hurricane	Other - No Reclose b	N		0
97,308	DEF	DEF North	Fort White (FWHT) - Jasper South (JASS) 115kV East Circuit	11/10/2022 11:09:44	11/10/2022 11:09:50	0.1000		0	Weather/Environment - Hurricane	-	N		0
97,280	DEF	DEF North	Occidental Swift Creek 1 (OSC1) - N494 Nutrien Feeder 25kV (N494 Line)	11/10/2022 08:35:30	11/10/2022 11:43:00	187.5000		0	Weather/Environment - Hurricane	Other - No Reclose b	N		0
97,282	DEF	DEF North	Occidental Swift Creek 2 (OSC2) - N363 Nutrien Feeder 25kV (N363 Line)	11/10/2022 08:34:51	11/10/2022 10:07:00	92.1500		0	Weather/Environment - Hurricane	Other - No Reclose b	N		0
97,332	DEF		Altamonte (ALMT) - Douglas Ave (DOUG) 69kV Line	11/10/2022 13:11:56	11/10/2022 13:12:02	0.1000		0	Weather/Environment - Hurricane	-	N		0
97,300	DEF		Barberville (BARB) - (FPL) Deland (DLND) - (FPL) Putnam (PTNM) 115kV Line	11/10/2022 10:11:37	11/10/2022 11:47:55	96.3000		0	Weather/Environment - Hurricane	-	N		0
98,076	DEF	DEF Central	Debary (DBRY) - Debary P2 - P6 (DBRY) 230kV Line	12/24/2022 07:34:22	12/24/2022 15:43:55	489.5500		0	Unknown - Unknown	Unknown - Unknown	N		0
98,078	DEF	DEF Coastal	Anclote (ANCL) - Largo (LRGO) 230kV Line	12/24/2022 04:35:45	12/24/2022 04:35:49	0.0667		0	Line Equipment - Static Wire (OHGW)	-	N		0
97,252	DEF		Barberville (BARB) - Deland West (DELW) 69kV Line	11/10/2022 05:11:46	11/10/2022 11:59:28	407.7000		0	Weather/Environment - Hurricane	-	N		0
97,254	DEF		Apopka South (APOP) - Woodsmere (WOOD) 69kV Line	11/10/2022 05:11:36	11/10/2022 05:11:45	0.1500		0	Weather/Environment - Hurricane	-	N		0

97,256	DEF		Barberville (BARB) BK1	11/10/2022 04:52:50	11/10/2022 05:12:06	19.2667	0	Weather/Environment - Hurricane	-	N	0
97,258	DEF		Barberville (BARB) BK2	11/10/2022 04:52:50	11/10/2022 05:12:06	19.2667	0	Weather/Environment - Hurricane	-	N	0
97,260	DEF		Barberville (BARB) BK3	11/10/2022 04:52:50	11/10/2022 05:12:06	19.2667	0	Weather/Environment - Hurricane	-	N	0
97,336	DEF	DEF Central	Fort Green 10 (FG10) - F10MX Mosaic Feeder 25kV (F10MX Line)	11/10/2022 13:33:11	11/10/2022 14:57:14	84.0500	0	Weather/Environment - Hurricane	Other - No Reclose b	N	0
97,270	DEF		Deltona East (DTNE) - Turner (TURN) 115kV Line	11/10/2022 07:12:21	11/10/2022 07:12:21	0	0	Weather/Environment - Hurricane	-	N	0
97,276	DEF	DEF North	Occidental Swift Creek 2 (OSC2) - N364 Nutrien Feeder 25kV (N364 Line)	11/10/2022 08:25:09	11/10/2022 09:35:35	70.4333	0	Weather/Environment - Hurricane	Other - No Reclose b	N	0
97,294	DEF	DEF Central	Dry Prairie (DRPR) - Fort Meade (FTMD) 230kV Line	11/10/2022 10:03:57	11/10/2022 11:57:59	114.0333	0	Weather/Environment - Hurricane	Weather/Environme	N	0
97,250	DEF		Barberville (BARB) - Deland West (DELW) 69kV Line	11/10/2022 05:00:14	11/10/2022 05:00:22	0.1333	0	Weather/Environment - Hurricane	-	N	0
97,296	DEF	DEF North	Occidental 1 (OC1L) - N360 Nutrien Feeder 25kV (N360 Line)	11/10/2022 10:11:59	11/10/2022 10:12:03	0.0667	0	Weather/Environment - Hurricane	Other - No Reclose b	N	0
97,298	DEF		Barberville (BARB) - (FPL) Deland (DLND) - (FPL) Putnam (PTNM) 115kV Line	11/10/2022 10:07:31	11/10/2022 10:07:31	0	0	Weather/Environment - Hurricane	-	N	0
97,302	DEF	DEF North	Occidental Swift Creek 2 (OSC2) - N363 Nutrien Feeder 25kV (N363 Line)	11/10/2022 10:49:58	11/10/2022 11:04:00	14.0333	0	Weather/Environment - Hurricane	Other - No Reclose b	N	0
97,304	DEF	DEF North	Madison (MDSN) - Suwannee Transmission (SWTR) 115kV Line	11/10/2022 10:46:10	11/10/2022 10:46:18	0.1333	0	Weather/Environment - Hurricane	-	N	0
97,306	DEF	DEF North	Madison (MDSN) - Suwannee Transmission (SWTR) 115kV Line	11/10/2022 10:41:36	11/10/2022 10:41:46	0.1667	0	Weather/Environment - Hurricane	-	N	0
97,238	DEF	DEF Central	Avon Park (AVPK) 13kV Bus 5	11/09/2022 13:59:54	11/09/2022 14:59:26	59.5333	0	Weather/Environment - Hurricane	Weather/Environme	N	0
97,272	DEF		Piedmont (PIED) - Plymouth South (PLYS) 69kV Line	11/10/2022 07:26:33	11/10/2022 07:26:40	0.1167	0	Weather/Environment - Hurricane	-	N	0
97,274	DEF	DEF North	Ginnie (GINI) - Trenton (TNTN) 69kV Line	11/10/2022 07:44:14	11/10/2022 07:44:58	0.7333	0	Weather/Environment - Hurricane	-	N	0
97,242	DEF	DEF Central	Florida Gas Transmission East (FGTE) - Wewahootee (WWHO) 69kV Line	11/10/2022 04:00:05	11/11/2022 21:48:00	2,507.9167	0	Weather/Environment - Hurricane	Line Equipment - Stri	N	0
97,244	DEF	DEF Central	Fort Green 10 (FG10) - F10MX Mosaic Feeder 25kV (F10MX Line)	11/09/2022 22:52:48	11/10/2022 11:07:00	734.2000	0	Weather/Environment - Hurricane	Other - No Reclose b	N	0
97,350	DEF	DEF North	Occidental Swift Creek 2 (OSC2) - N363 Nutrien Feeder 25kV (N363 Line)	11/10/2022 17:06:07	11/11/2022 07:42:12	876.0833	0	Weather/Environment - Hurricane	Other - No Reclose b	N	0
97,344	DEF	DEF North	Occidental 1 (OC1L) - N362 Nutrien Feeder 25kV (N362 Line)	11/10/2022 15:19:49	11/11/2022 09:44:30	1,104.6833	0	Weather/Environment - Hurricane	Other - No Reclose b	N	0
97,346	DEF	DEF Central	Fort Green 10 (FG10) - F10MX Mosaic Feeder 25kV (F10MX Line)	11/10/2022 15:18:32	11/10/2022 16:32:21	73.8167	0	Weather/Environment - Hurricane	Other - No Reclose b	N	0

97,246	DEF		Barberville (BARB) - Deland West (DELW) 69kV Line	11/10/2022 04:49:10	11/10/2022 04:49:18	0.1333		0	Weather/Environment - Hurricane	-	N			0
97,248	DEF	DEF Coastal	Pilsbury (PLSB) 13kV Bus 2	11/10/2022 04:47:54	11/10/2022 04:48:00	0.1000		0	Weather/Environment - Hurricane	Weather/Environme	N			0
97,310	DEF	DEF North	Occidental 1 (OC1L) - N355 Nutrien Feeder 25kV (N355 Line)	11/10/2022 11:19:57	11/10/2022 12:05:00	45.0500		0	Weather/Environment - Hurricane	Other - No Reclose b	N			0
97,312	DEF	DEF North	Madison (MDSN) - Suwannee Transmission (SWTR) 115kV Line	11/10/2022 11:16:45	11/10/2022 11:16:54	0.1500		0	Weather/Environment - Hurricane	-	N			0
97,314	DEF	DEF North	Madison (MDSN) - Suwannee Transmission (SWTR) 115kV Line	11/10/2022 11:48:22	11/10/2022 15:29:39	221.2833		0	Weather/Environment - Hurricane	-	N			0
97,316	DEF		Altamonte (ALMT) - Douglas Ave (DOUG) 69kV Line	11/10/2022 11:46:20	11/10/2022 11:46:26	0.1000		0	Weather/Environment - Hurricane	-	N			0
97,318	DEF	DEF North	Circle Square (CSQR) - Silver Springs (SVSP) 69kV Line	11/10/2022 11:39:08	11/11/2022 14:40:58	1,621.8333		0	Weather/Environment - Hurricane	-	N			0
97,320	DEF	DEF North	Madison (MDSN) - Suwannee Transmission (SWTR) 115kV Line	11/10/2022 11:35:35	11/10/2022 11:35:42	0.1167		0	Weather/Environment - Hurricane	-	N			0
97,322	DEF	DEF North	Circle Square (CSQR) - Silver Springs (SVSP) 69kV Line	11/10/2022 11:32:48	11/10/2022 11:32:58	0.1667		0	Weather/Environment - Hurricane	-	N			0
97,324	DEF	DEF North	Circle Square (CSQR) - Silver Springs (SVSP) 69kV Line	11/10/2022 11:31:21	11/10/2022 11:31:22	0.0167		0	Weather/Environment - Hurricane	-	N			0
97,284	DEF	DEF Central	Country Oaks (COAK) - Dundee (DUND) 69kV Line	11/10/2022 08:59:18	11/10/2022 08:59:24	0.1000		0	Weather/Environment - Hurricane	-	N			0
97,288	DEF	DEF Central	Country Oaks (COAK) - Dundee (DUND) 69kV Line	11/10/2022 09:18:29	11/10/2022 17:32:36	494.1167		0	Weather/Environment - Hurricane	Weather/Environme	N			0
97,348	DEF		Altamonte (ALMT) - Douglas Ave (DOUG) 69kV Line	11/10/2022 16:21:46	11/11/2022 06:30:00	848.2333		0	Weather/Environment - Hurricane	-	N			0
97,292	DEF	DEF North	Occidental 1 (OC1L) - N355 Nutrien Feeder 25kV (N355 Line)	11/10/2022 09:57:57	11/10/2022 11:04:02	66.0833		0	Weather/Environment - Hurricane	Other - No Reclose b	N			0
97,286	DEF		Deltona East (DTNE) - Turner (TURN) 115kV Line	11/10/2022 09:05:29	11/10/2022 09:05:36	0.1167		0	Weather/Environment - Hurricane	-	N			0
97,262	DEF		Eustis South (EUSS) - Mount Dora (MTDR) 69kV Line	11/10/2022 06:12:12	11/10/2022 15:29:44	557.5333		0	Weather/Environment - Hurricane	-	N			0
97,264	DEF		Altamonte (ALMT) - (FPL) Sanford (SANF) 230kV Line	11/10/2022 06:11:48	11/10/2022 06:11:54	0.1000		0	Weather/Environment - Hurricane	-	N			0
97,266	DEF		Eustis South (EUSS) - Mount Dora (MTDR) 69kV Line	11/10/2022 06:09:59	11/10/2022 06:10:13	0.2333		0	Weather/Environment - Hurricane	-	N			0
97,268	DEF	DEF Coastal	Pilsbury (PLSB) 13kV Bus 2	11/10/2022 05:48:13	11/10/2022 06:54:59	66.7667	2,320	2,320	Weather/Environment - Hurricane	Breaker Equipment -	N	79,207	79,207	

ATTACHMENT C & C1

Summary of Severe Weather Dates **2022**

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
1/16/2022 - 4:00 AM to 4:59 AM	Tornado	Unknown Wind Speed	Monticello	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
3/12/2022 - 7:00 AM to 9:59 AM	Tornado	Unknown Wind Speed	Inverness Ocala	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
3/12/2022 - 11:00 AM to 11:59 AM	Tornado	Unknown Wind Speed	Highland	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
5/6/2022 - 5:00 PM to 7:59 PM	Tornado	Unknown Wind Speed	Monticello	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
5/31/2022 6:00 PM to 6:59 PM	Tornado	Unknown Wind Speed	Seven Springs	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
9/28/2022 0:00 AM to 10/3/2022 23:59 PM	Hurricane Ian	155 mph	All Ops Centers	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
11/9/2022 0:00 AM to 11/11/2022 23:59 PM	Hurricane Nicole	155 mph	All Ops Centers	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
12/15/2022 10:00 AM to 11:59 AM	Tornado	Unknown Wind Speed	Inverness Ocala	National Weather Service	See response to Section (d) - pg. 10 of Reliability Report
12/15/2022 11:00 AM to 13:59 PM	Tornado	Unknown Wind Speed	St. Petersburg	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.)

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 2021, please explain the changes and provide the CMI and CI for 2022 using the prior method.

c. The exclusion method used is the same since 2005.

d. (Appendix) Provide the 2021 service reliability data for each extreme weather outage event that is excluded from your Company's 2021 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
1/16/2022 - 4:00 AM to 4:59 AM	OH	57,905	109,716	82	1,338	1,338.4	1
	UG		-	-	-	-	-
3/12/2022 07:00 AM to 9:59 AM	OH	167,743	1,064,836	6,238	26,148	415.0	63
	UG		1,128	24	47	47.2	1
3/12/2022 - 11:00 AM to 11:59 AM	OH	56,703	147,562	2,785	2,464	352.1	7
	UG		-	-	-	-	-
5/6/2022 06:00 PM to 07:59 PM	OH	57,905	182,744	2,151	2,526	168.4	15
	UG		11,872	94	272	271.8	1

Distribution
Exclusion Summary - 2022

Cause Code Types		C	CMI	CI	Duration	L-Bar	N
Reported Actual Data		1,930,197	1,698,378,588	3,674,197	35,818,331	556.7	64,346
Exclusions:							
Severe Weather (Distribution)	(Tornados & Named Storms)		1,496,687,848	1,172,977	28,355,107	1,929.2	14,698
Distribution (Non Severe Weather)			-	-	-	-	-
Transmission (Severe Weather)			16,728	408	41	41.2	1
Transmission (Non Severe Weather)			10,067,348	292,192	10,393	57.1	182
Emergency Shutdowns (Severe Weather)	(DEF/Govt/Customer Decisions)		8,960,030	54,575	106,474	441.8	241
Emergency Shutdowns (Non Severe Weathe	(DEF/Govt/Customer Decisions)		10,471,469	298,622	177,044	79.7	2,222
Prearranged (Severe Weather)			237,507	885	17,138	306.0	56
Prearranged (Non Severe Weather)			7,455,771	61,564	888,366	133.1	6,676
Adjusted Data		1,930,197	164,481,887	1,792,974	6,263,767	155.5	40,270

ATTACHMENT C2

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

Year	Customer minutes of Interruption (CMI)		Customer Interruptions (CI)	
	Value	% of Actual	Value	% of Actual
Reported Actual Data	1,698,378,588	100%	3,674,197	100%
Documented Exclusions				
Planned Service Interruptions	17,927,240	1.06%	360,186	9.80%
Named Storm	1,503,572,695	88.53%	1,210,751	32.95%
Tornadoes	2,329,418	0.14%	18,094	0.49%
Ice on Lines	0	0.00%	0	0.00%
Planned Load Management Events	0	0.00%	0	0.00%
Generation/Transmission Events	10,067,348	0.59%	292,192	7.95%
Extreme Weather (EOC Activation/Fire)	0	0.00%	0	0.00%
Reported Adjusted Data	164,481,887	9.68%	1,792,974	48.80%

ATTACHMENT D

CAUSES OF OUTAGE EVENTS – ADJUSTED

Utility Name: Duke Energy Florida Years: **2018 to 2022**

	2022			2021			2020			2019			2018		
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	4,231	82.5	65.0	5,347	80.6	69.5	3,882	82.1	68.8	5,127	82.0	67.3	4,566	81.6	69.1
2. Vegetation	8,552	161.0	107.7	7,790	153.9	107.9	9,291	160.3	110.9	8,883	159.6	108.1	8,522	148.3	106.6
3. Lightning	1,787	146.2	94.4	1,126	151.4	109.7	994	157.0	97.4	943	168.3	106.0	1,517	157.4	103.2
4. Other Weather	4,855	150.5	101.8	4,060	140.2	103.9	5,826	159.3	109.7	5,658	153.1	105.2	6,463	143.5	110.8
5. Vehicle	367	258.0	105.5	460	241.4	96.8	509	245.1	111.6	445	249.9	119.2	599	232.7	105.2
6. Defective Equipment	11,914	162.3	81.7	11,449	146.1	82.6	11,973	146.4	82.4	11,921	145.8	87.0	12,038	151.8	97.3
7. Unknown	1,543	136.7	58.0	688	95.3	52.0	556	87.7	69.0	859	84.5	54.5	766	83.2	58.7
All Other Causes	7,021	186.2	96.2	7,199	176.3	74.7	7,170	181.0	71.4	8,223	169.0	75.7	8,310	173.0	82.6
System Totals:	40,270	155.5	91.7	38,119	143.9	89.2	40,201	152.1	93.5	42,059	146.8	93.1	42,781	146.6	97.3

ATTACHMENT E

DUKE ENERGY.

2023 PROGRAM BUDGET

CAPITAL													
	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Annual
956 - DEF Fuse Replacement	437,568	529,652	1,252,198	1,246,431	1,367,768	1,390,188	1,318,785	1,163,585	759,651	469,788	459,898	293,442	10,688,952
ATS - ATS Replace		111,281	110,497	109,913	220,202	218,594	109,587	331,416					1,211,489
CBLDT - UG Cable Repl DT	208,725	217,932	230,946	248,600	242,422	372,408	244,663	243,574	242,907	243,742	246,555	202,153	2,944,627
CMCDT - Corr Maint Cap DT			48,791	48,679	72,916	72,466	24,102						266,954
CMCEDT - Corr Maint Cap Emerg DT					9,793	4,862	9,743	4,913	9,807				39,118
CMCEOH - Corr Maint Cap Emerg OH	93,911	109,055	112,062	123,066	130,917	141,456	141,767	123,644	96,423	69,672	62,431	58,016	1,262,421
CMCEUG - Corr Maint Cap Emerg UG	51,734	94,394	136,152	143,948	178,037	201,958	236,148	238,244	152,861	93,768	68,776	59,623	1,655,643
CMCOH - OH Replace (Other - Planned)			2,580	17,998	43,709	33,214	28,104	2,578					128,183
CMCOWP - Corr Maint Cap OH Wire Pri		780	1,153	1,648	1,800	2,474	2,320	2,073	1,382	693	350	269	14,943
CMCOWS - Corr Maint Cap OH Wire Sec Svc	15,286	17,241	16,924	18,049	21,313	23,822	25,885	26,323	20,178	18,815	16,320	11,547	231,703
CMCUG - Corr Maint Cap UG Oth	24,487	44,026	77,339	125,260	163,805	215,496	186,769	125,594	82,059	58,097	43,978	24,197	1,171,106
CTP1PH - Cst Trnf Pdmt Repl 1PH Leak				92,489	92,560	91,911	73,616	74,281	18,553				443,408
CTP3PH - Cst Trnf Pdmt Repl 3PH Leak				64,082	128,361	191,148							383,591
DAIDR - Distribution Automation Rplc						54,057							54,057
DLS - OH Line Switch Repl	28,488	28,426	28,111	22,402	44,822	44,531	38,990	33,714	5,614				275,098
ELT3PH - End of Life Trans 3PH			93,000	215,806	401,544	521,185	368,981	123,979	30,961	31,054		31,025	1,817,534
GENSWGR - Switchgear Replacement				96,199	144,519	239,136	191,761	289,991	48,283				1,009,890
GNSWLF - Livefront Switchgear Replaceme	97,266	193,620	192,117	143,371	191,439	237,601	142,882	192,062	95,935	48,111			1,534,403
HYDR - Recloser Repl Hydraulic	190,098	181,288	359,781	217,880	202,626	402,322	139,595	203,298	171,845	235,046	236,923	23,485	2,564,187
MHV - Manhole Vault Rebuild Replace			104,576	208,582	208,384								521,542
NANC - NAN Replacements	11,816	20,564	26,262	34,829	37,799	43,295	49,204	43,761	26,229	20,461	2,945	2,920	320,086
NEWPOL - Foreign Pole Acquired by Duke				8,923	26,750	17,719	26,546	8,941					88,879
POLCM - Pole Replacement Reactive	760,985	1,013,860	1,121,652	1,266,936	869,909	905,176	830,418	475,167	416,928	808,401	465,484	410,022	9,344,937
POLOVL - Pole Replace Overloaded Pole	32,540	114,010	152,191	111,842	135,682	134,840	71,281	56,015	55,977	40,121	24,353	16,045	944,895
RCR - Capacitor Replacement	321,084	334,783	374,141	404,500	414,898	424,705	422,615	366,558	239,670	225,466	119,423	93,978	3,741,821
RGR - Regulator Replacement	33,612		66,394	99,064	132,311	229,852	98,770	99,569	66,309	33,254	33,511		892,646
RIR - Inf Scan Insp Replace FUP	9,939	4,964	9,803	4,885	9,769	4,854	4,854	4,898					53,966
RLNSEN - Line Sensor Repl OH			3,702		7,379	3,666	3,666	3,700					22,113
RNET - Network Sec Main Replace	190,604	190,292	187,871	187,152	187,185	185,914	185,963	187,743	187,584	188,203	190,119	188,109	2,256,737
RRR - Recloser Electronic Replace	124,510	349,068	156,499	255,760	389,845	453,346	188,456	134,110	55,821	212,759	101,568	156,636	2,578,378
RSC - OH Stolen Conductor Replace	191	222	309	375	435	477	469	436	413	339	191	128	3,985
RTP1PH - Pad Transf 1PH Oil Leak Rplc			182,706	371,715	447,318	444,404	481,654	296,554	54,971	89,768		34,596	2,403,686
RTP3PH - Pad Transf 3PH Oil Leak Rplc			252,940	442,833	767,195	890,497	891,742	639,630	125,354				4,010,191
RTR1PH - Pad Transf 1PH Non Leak Rplc	54,409	153,665	161,073	187,095	196,168	159,398	97,536	62,610	44,681	35,856	18,088		1,170,578
RTR3PH - Pad Transf 3PH Non Leak Rplc		95,854	253,847	220,930	94,851	31,385							696,867
RTXO - Transf OH Repl		29,796	110,457	168,692	212,792	160,344	138,572	51,517	29,413	14,753			916,336
RUCLG - UG Lg Cable Pri only Replace	209,005	242,704	260,343	274,124	302,106	314,971	336,457	381,801	171,888	69,595	57,620	42,778	2,663,395
RUCSEC - UG Cable Repl Sec Svc	1,369,754	1,190,771	1,213,782	978,584	1,129,193	1,302,229	1,452,716	1,603,223	1,688,381	1,748,265	1,560,397	1,383,771	16,621,067
RUCSM - UG Sm Cable Pri only Replace	1,290,297	1,786,900	1,991,466	2,429,491	2,909,892	3,479,931	1,375,512	1,228,315	975,811	1,674,243	1,314,806	1,359,150	21,815,814
SPCCCAP - SPCC Containment Cap						15,564		15,706					31,270
SPPPLFD - SPP Pole Repl Feeder Hardening	96,617	204,790	741,294	1,295,484	1,776,173	1,682,773	1,762,755	1,640,374	1,597,858	1,536,997	905,537	838,047	14,078,698
SPPPLHD - SPP Pole Repl Lateral Hardenin	(49,332)	(49,399)	2,246,121	3,723,783	4,775,096	5,154,280	5,164,808	4,961,866	4,792,964	4,577,208	2,364,878	2,394,358	40,056,631
VNPTRR - Vault Netwk Prot & Transf Rplc					83,237	82,721	82,752						248,709
WCUGS - UG Congested Structures						525,982							525,982
DPZ - Declared Protection Zone	84,344	240,314	126,803	191,959	388,077	342,269	211,902	82,935	61,023	148,962	84,160	148,929	2,111,677
RIOTC - Outage Invest Improv Cap	393,287	750,177	793,050	614,328	535,264	505,588	505,405	457,563	377,915	352,722	240,527	158,505	5,684,332
516 - DEF Targeted OH/UG Conversion	1,784	1,784	1,846	1,846	1,846	1,846	1,846	1,846	1,846	1,846	1,846	1,846	22,026
HWYN - Highway Nonreimb Cap	1,247,518	1,155,934	1,228,385	1,286,958	1,288,496	1,333,965	1,311,332	1,295,344	1,223,950	1,197,909	1,248,025	1,223,019	15,040,835
CTR1PH - Cst Trnf Pdmt Repl 1PH Dry	11,890	11,889	11,940	12,358	12,354	12,681	12,494	12,389	11,921	11,731	12,094	11,910	145,650
ELT3PH - End of Life Trans 3PH	110,798	110,795	111,215	115,016	114,975	117,938	116,230	115,300	111,035	109,318	112,650	110,949	1,356,220
F2RRPL - FUSE TO RECLOSER REPLACEMENT	435,610	435,571	437,530	453,426	453,273	465,711	458,601	454,604	436,798	429,588	459,796	452,828	5,373,334
GNSWLF - Livefront Switchgear Replaceme	409,135	409,097	414,705	432,927	432,777	434,602	430,032	434,002	400,734	402,941	421,975	402,236	5,025,162
HYDR - Recloser Repl Hydraulic	27,984	27,985	28,079	29,019	29,008	29,738	29,314	29,090	28,033	27,610	28,442	28,014	342,316
MHR - Manhole Lid Retrofit	221,544	221,539	222,380	229,982	229,901	235,826	232,409	230,550	222,021	218,586	225,249	221,847	2,711,836
MHV - Manhole Vault Rebuild Replace	50,369	50,368	50,559	52,287	52,268	53,615	52,838	52,416	50,477	49,697	51,211	50,438	616,544
POLRPL - PLANNED POLE REPL OPTIMIZATION	685,524	685,465	688,505	713,189	712,950	732,264	721,224	715,017	687,369	676,174	713,999	703,179	8,434,859
PTR1PH - Pro Trnf Pdmt Repl 1PH Dry	87,238	87,236	87,567	90,561	90,529	92,862	91,517	90,785	87,426	86,073	88,697	87,357	1,067,846
PTR3PH - Pro Trnf Pdmt Repl 3PH Dry	108	108	108	108	108	162	108	108	108	108	108	168	1,413
RRR - Recloser Electronic Replace	92,311	92,308	92,659	95,826	95,792	98,261	96,838	96,063	92,509	91,078	93,854	92,437	1,129,935
RTXLF - Transf OH Livefront Repl	23,038	23,038	23,115	23,889	23,880	24,482	24,132	23,948	23,078	22,730	23,414	23,062	281,807
RUCSM - UG Sm Cable Pri only Replace	363,742	363,712	365,286	378,075	377,952	387,959	382,238	379,023	364,697	358,897	369,983	364,377	4,455,941

TRTXO - TX Repl Proactive OH	452,636	452,600	454,543	470,433	470,278	482,707	475,598	471,610	453,810	446,606	460,390	453,414	5,544,625
VLTDTUG - DTUG Transformer Monitor	33,564	33,563	33,691	34,843	34,830	35,728	35,210	34,929	33,636	33,116	34,125	33,610	410,845
DMAJDL - Major Reliability D Line Cap	1,829,807	1,746,084	1,807,896	1,887,857	1,887,019	1,951,264	1,913,485	1,893,826	1,804,134	1,767,980	1,837,919	1,804,147	22,131,420
DPZ - Declared Protection Zone	150,980	150,976	151,549	156,730	156,674	160,713	158,384	157,117	151,304	148,964	153,504	151,186	1,848,081
RFS - Circuit Sectionalization	7,123	7,123	7,147	7,386	7,383	7,569	7,461	7,404	7,135	7,027	7,239	7,130	87,129
ROC - OH Deteriorated Conductor Rplc	31,839	31,839	31,959	33,052	33,040	33,891	33,400	33,133	31,908	31,414	32,372	31,883	389,730
RPR - Riser Pole Retrofit Cap	1,448,608	1,448,571	1,454,281	1,505,805	1,505,253	1,545,420	1,522,261	1,509,656	1,451,846	1,428,566	1,526,143	1,503,094	17,849,505
URDCO - Inst Cable on Radial URD	23,475	23,473	23,578	24,409	24,401	25,052	24,680	24,470	23,540	23,163	23,881	23,519	287,641
DCAPINC - CAPACITY INCREASE - DIST STA	1,328,971	1,334,365	1,342,624	1,373,144	1,374,997	2,007,304	1,373,620	1,363,691	1,336,325	1,321,462	1,321,509	1,407,392	16,885,402
SPPCRCN - SPP Capacity and Connectivity	1,058,129	1,058,352	1,059,870	1,092,241	1,091,739	1,116,486	1,101,580	1,094,813	1,058,129	1,043,785	1,027,022	1,057,769	12,859,915
SPPFDHD - SPP Feeder Hardening	8,746,530	9,752,224	10,739,736	12,049,981	12,042,963	12,308,090	12,626,174	13,326,275	12,970,354	12,836,611	12,244,584	12,631,470	142,274,992
SPPFLMT - SPP UG Flood Mitigation	133,979	83,454	82,231	81,961	81,931	81,394	81,345	82,162	82,099	82,377	46,596	82,347	1,001,875
SPPLTOH - SPP Lateral Hardening Overhead	3,303,877	3,305,524	3,301,837	3,388,980	3,386,984	3,461,522	3,410,319	3,396,367	3,296,252	3,258,658	3,189,372	3,306,438	40,006,129
SPPLTUG - SPP Lateral Hardening Undrgrnd	7,905,800	8,917,949	9,854,099	11,062,581	11,053,005	11,108,818	11,586,189	12,332,816	12,085,676	12,003,480	11,357,446	11,634,126	130,901,986
SPPSGAU - SPP Segmentation and Automatn	4,175,702	4,168,548	4,246,126	4,488,151	4,489,806	4,650,237	4,590,567	4,503,403	4,239,715	4,123,361	4,125,501	4,184,491	51,985,610
SCDL - Sys Capacity D Line	1,491,748	1,449,422	1,488,043	1,540,600	1,540,047	1,581,047	1,557,446	1,544,522	1,485,571	1,461,807	1,507,773	1,484,348	18,132,374
Sum:	41,972,585	45,841,925	53,042,023	59,531,308	62,792,719	66,534,160	62,126,619	61,688,939	56,959,087	56,748,822	51,365,561	51,501,761	670,105,509

O&M

	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Annual
ENVREM - Other Environ Remediation	15,385	15,385	15,385	15,385	15,385	23,080	15,385	15,385	15,385	15,385	15,385	0	176,931
ATSMT - ATS Repair	11,617	11,617	11,617	11,617	11,617	17,431	11,617	11,617	11,617	11,617	11,617	0	133,598
AVOM - Avian Protection OM	3,592	3,592	3,592	3,592	3,592	5,395	3,592	3,592	3,592	3,592	3,592	0	41,319
CAPMT - Capacitor Repair	2,375	2,375	2,375	2,375	2,375	3,576	2,375	2,375	2,375	2,375	2,375	0	27,325
CBLTST - UG Cable Testing OM	4,136	4,136	4,136	4,136	4,136	6,215	4,136	4,136	4,136	4,136	4,136	0	47,579
CCEMTU - Critical Environ Maint UG	3,835	3,835	3,835	3,835	3,835	5,759	3,835	3,835	3,835	3,835	3,835	0	44,113
CEINSU - Critical Environ Inspect UG	7,743	7,743	7,743	7,743	7,743	7,743	7,743	7,743	7,743	7,743	7,743	0	85,173
CMEOH - OH Emergency Repair	105,559	105,559	105,559	105,559	105,559	158,343	105,559	105,559	105,559	105,559	105,559	158,343	1,372,279
CMOH - OH Repair (Other - Planned)	61,792	61,792	61,792	61,792	61,792	92,682	61,792	61,792	61,792	61,792	61,792	92,682	803,279
CMPUG - Padmount Equipment Painting	4,166	4,166	4,166	4,166	4,166	4,166	4,166	4,166	4,166	4,166	4,166	0	45,826
CMUG - UG Repairs (Other - Planned)	56,083	56,083	56,083	56,083	56,083	84,118	56,083	56,083	56,083	56,083	56,083	84,118	729,069
CVSURV - Contact Voltage Survey	3,067	3,067	3,067	3,067	3,067	4,600	3,067	3,067	3,067	3,067	3,067	0	35,273
FCI - Fault Currt Indictr Chang Out	11,883	11,883	11,883	11,883	11,883	17,817	11,883	11,883	11,883	11,883	11,883	0	136,644
IDROM - Dist Auto OM I Dr	2,296	2,296	2,296	2,296	2,296	3,443	2,296	2,296	2,296	2,296	2,296	0	26,399
MANHMT - Manhole Repair	4,396	4,396	4,396	4,396	4,396	6,594	4,396	4,396	4,396	4,396	4,396	0	50,554
MANINS - Manhole Inspection	6,872	6,872	6,872	6,872	6,872	10,300	6,872	6,872	6,872	6,872	6,872	0	79,023
NETPRO - Network Protector Drop Test	940	940	940	940	940	1,411	940	940	940	940	940	0	10,813
PADINS - SMEI Inspection	24,281	24,281	24,281	24,281	24,281	36,419	24,281	24,281	24,281	24,281	24,281	36,419	315,645
PADMT - SMEI Insp Repair FUP	20,142	20,142	20,142	20,142	20,142	30,214	20,142	20,142	20,142	20,142	20,142	30,214	261,852
POLMT - Pole Inspection Repair FUP	44,667	44,667	44,667	44,667	44,667	67,004	44,667	44,667	44,667	44,667	44,667	67,004	580,682
POLOV - Pole Repair Overloaded Pole	2,764	2,764	2,764	2,764	2,764	4,130	2,764	2,764	2,764	2,764	2,764	4,130	35,897
RECBAT - Recloser Battery Change out OM	4,967	4,967	4,967	4,967	4,967	7,453	4,967	4,967	4,967	4,967	4,967	7,453	64,570
RECINS - Recloser Inspection	1,294	1,294	1,294	1,294	1,294	1,946	1,294	1,294	1,294	1,294	1,294	1,946	16,832
RECMT - Recloser Repair	17,199	17,199	17,199	17,199	17,199	25,795	17,199	17,199	17,199	17,199	17,199	25,795	223,579
REGINS - Regulator Inspections	12,960	12,960	12,960	12,960	12,960	19,440	12,960	12,960	12,960	12,960	12,960	19,440	168,474
REGMT - Regulator Repairs	1,581	1,581	1,581	1,581	1,581	2,382	1,581	1,581	1,581	1,581	1,581	2,382	20,570
RIOUT - Outage Invest Improv	298,310	298,310	298,310	298,310	298,310	440,647	298,310	298,310	298,310	298,310	298,310	440,647	3,864,389
SPCCINS - SPCC Inspection	783	783	783	783	783	1,179	783	783	783	783	783	1,179	10,190
SPCCOM - SPCC Inspection Repair FUP	228	228	228	228	228	345	228	228	228	228	228	345	2,965
SWGINS - Switchgear UG Insp	12,115	12,115	12,115	12,115	12,115	18,175	12,115	12,115	12,115	12,115	12,115	18,175	157,499
SWGRMT - Switchgear Repair	3,581	3,581	3,581	3,581	3,581	5,363	3,581	3,581	3,581	3,581	3,581	5,363	46,539
VAULTI - Vault Inspection	11,590	11,590	11,590	11,590	11,590	17,380	11,590	11,590	11,590	11,590	11,590	17,380	150,661
VAULTM - Vault Repair	4,132	4,132	4,132	4,132	4,132	6,194	4,132	4,132	4,132	4,132	4,132	6,194	53,712
SPPPLHD - SPP Pole Repl Lateral Hardenin	53,650	53,650	53,650	53,650	53,650	53,650	53,650	53,650	53,650	53,650	53,650	53,650	643,800
DPRJOMM - OM on Maintain Capital	147,767	147,767	147,767	147,767	147,767	147,767	153,627	147,767	147,767	147,767	147,767	153,627	1,784,926
PQINSE - PQ Cust Engin Inspect OM	268,076	234,851	243,225	221,212	218,685	233,634	184,395	178,621	179,222	232,072	210,161	187,405	2,591,560
SPPPLFD - SPP Pole Repl Feeder Hardening	20,868	20,868	20,868	20,868	20,868	20,868	20,868	20,868	20,868	20,868	20,868	20,868	250,416
DPRJOMM - OM on Maintain Capital	142,975	142,467	141,493	141,078	141,262	140,382	146,646	141,625	141,393	141,858	142,251	147,375	1,710,805
DPRJOMH - OM on Highway-Mods	51,251	51,068	50,719	50,570	50,636	50,320	52,396	50,766	50,683	50,850	50,991	52,657	612,905
DPRJOMS - OM on Capacity Capital	151,013	150,476	149,449	149,011	149,205	148,277	155,232	149,588	149,344	149,834	150,249	156,003	1,807,681
SPPCRCN - SPP Capacity and Connectivity	53,383	53,191	52,823	52,667	52,736	52,403	52,511	52,873	52,786	52,961	53,109	52,777	634,221
SPPFDHD - SPP Feeder Hardening	231,447	230,615	229,022	228,342	228,643	227,202	227,668	229,237	228,858	229,618	230,262	228,822	2,749,736
SPPISFD - SPP Pole Insp Feeder Hardening	95,593	95,250	94,591	94,311	94,435	93,840	94,033	94,681	94,524	94,838	95,104	94,510	1,135,709
SPPISHD - SPP Pole Insp Lateral Hardenin	245,811	244,928	243,235	242,513	242,833	241,302	241,797	243,463	243,061	243,869	244,552	243,024	2,920,389
SPPLTOH - SPP Lateral Hardening Overhead	64,395	64,163	63,720	63,531	63,614	63,213	63,343	63,779	63,674	63,886	64,065	63,664	765,048
SPPLTUG - SPP Lateral Hardening Undrgrnd	122,041	121,602	120,762	120,404	120,562	119,802	120,048	120,875	120,676	121,077	121,416	120,657	1,449,921
SPPSGAU - SPP Segmentation and Automatn	146,315	145,789	144,781	144,351	144,542	143,631	143,925	144,917	144,678	145,159	145,565	144,656	1,738,308
Sum:	2,560,916	2,523,017	2,522,437	2,496,605	2,495,771	2,873,028	2,476,471	2,459,042	2,457,515	2,514,636	2,496,340	2,738,901	30,614,679

Totals:	44,533,501	48,364,942	55,564,460	62,027,913	65,288,490	69,407,188	64,603,090	64,147,981	59,416,603	59,263,457	53,861,901	54,240,662	700,720,188

Planned budget as of January, 2023

ATTACHMENT F

CAUSES OF OUTAGE EVENTS – ADJUSTED

Utility Name: Duke Energy Florida Years: **2018 to 2022**

	2022			2021			2020			2019			2018		
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	4,231	82.5	65.0	5,347	80.6	69.5	3,882	82.1	68.8	5,127	82.0	67.3	4,566	81.6	69.1
2. Vegetation	8,552	161.0	107.7	7,790	153.9	107.9	9,291	160.3	110.9	8,883	159.6	108.1	8,522	148.3	106.6
3. Lightning	1,787	146.2	94.4	1,126	151.4	109.7	994	157.0	97.4	943	168.3	106.0	1,517	157.4	103.2
4. Other Weather	4,855	150.5	101.8	4,060	140.2	103.9	5,826	159.3	109.7	5,658	153.1	105.2	6,463	143.5	110.8
5. Vehicle	367	258.0	105.5	460	241.4	96.8	509	245.1	111.6	445	249.9	119.2	599	232.7	105.2
6. Defective Equipment	11,914	162.3	81.7	11,449	146.1	82.6	11,973	146.4	82.4	11,921	145.8	87.0	12,038	151.8	97.3
7. Unknown	1,543	136.7	58.0	688	95.3	52.0	556	87.7	69.0	859	84.5	54.5	766	83.2	58.7
All Other Causes	7,021	186.2	96.2	7,199	176.3	74.7	7,170	181.0	71.4	8,223	169.0	75.7	8,310	173.0	82.6
System Totals:	40,270	155.5	91.7	38,119	143.9	89.2	40,201	152.1	93.5	42,059	146.8	93.1	42,781	146.6	97.3

ATTACHMENT G

2022 Summer Feeder Peaks

Load Area	NAME	BANK	FEEDER NAME	PLANNER PEAK MVA
NORTH CENTRAL	APOPKA	3	M0720	8.7
NORTH CENTRAL	APOPKA	3	M0721	7.0
NORTH CENTRAL	APOPKA	1	M0722	5.9
NORTH CENTRAL	APOPKA	1	M0723	8.5
NORTH CENTRAL	APOPKA	1	M0724	4.4
NORTH CENTRAL	APOPKA	2	M0725	7.1
NORTH CENTRAL	APOPKA	2	M0726	9.7
NORTH CENTRAL	APOPKA	2	M0727	7.5
NORTH CENTRAL	APOPKA	2	M0445	3.5
NORTH CENTRAL	APOPKA	1	M0447	6.3
NORTH CENTRAL	APOPKA	2	M0451	10.7
NORTH CENTRAL	APOPKA	1	M0453	8.6
NORTH CENTRAL	APOPKA	1	M1704	4.2
NORTH CENTRAL	APOPKA	2	M1706	6.5
NORTH CENTRAL	APOPKA	1	M1707	5.3
NORTH CENTRAL	APOPKA	2	M1709	5.5
NORTH CENTRAL	APOPKA	2	M1712	4.8
NORTH CENTRAL	APOPKA	2	M0499	5.4
NORTH CENTRAL	APOPKA	2	M0500	7.8
NORTH CENTRAL	APOPKA	2	M0501	4.2
NORTH CENTRAL	APOPKA	1	M0503	5.7
NORTH CENTRAL	APOPKA	1	M0504	10.4
NORTH CENTRAL	APOPKA	2	M1054	5.3
NORTH CENTRAL	APOPKA	2	M1055	8.5
NORTH CENTRAL	APOPKA	2	M1056	5.8
NORTH CENTRAL	APOPKA	1	M1057	7.8
NORTH CENTRAL	APOPKA	1	M1058	7.3
NORTH CENTRAL	APOPKA	1	M1059	6.2
NORTH CENTRAL	APOPKA	2	M0821	7.7
NORTH CENTRAL	APOPKA	2	M0822	3.7
NORTH CENTRAL	APOPKA	2	M1517	6.8
NORTH CENTRAL	APOPKA	1	M1518	6.5
NORTH CENTRAL	APOPKA	2	M1519	7.5
NORTH CENTRAL	APOPKA	1	M1520	6.3
NORTH CENTRAL	APOPKA	1	M0400	7.0
NORTH CENTRAL	APOPKA	2	M0402	7.0
NORTH CENTRAL	APOPKA	1	M0406	8.2
NORTH CENTRAL	APOPKA	2	M0408	4.1
NORTH CENTRAL	APOPKA	1	M0412	8.2
NORTH CENTRAL	APOPKA	2	M0414	5.5

NORTH CENTRAL	APOPKA	1	M0415	2.3
NORTH CENTRAL	APOPKA	2	M0417	5.6
NORTH CENTRAL	APOPKA	2	M0471	7.6
NORTH CENTRAL	APOPKA	2	M0472	6.9
NORTH CENTRAL	APOPKA	2	M0473	9.5
NORTH CENTRAL	APOPKA	2	M0474	9.3
NORTH CENTRAL	APOPKA	1	M0475	8.9
NORTH CENTRAL	APOPKA	1	M0476	5.0
NORTH CENTRAL	APOPKA	1	M0477	7.8
NORTH CENTRAL	APOPKA	1	M0478	8.2
NORTH CENTRAL	APOPKA	1	M0702	8.1
NORTH CENTRAL	APOPKA	2	M0704	3.2
NORTH CENTRAL	APOPKA	2	M0706	7.7
NORTH CENTRAL	APOPKA	1	M0707	9.8
NORTH CENTRAL	APOPKA	1	M0580	7.1
NORTH CENTRAL	APOPKA	1	M0581	4.4
NORTH CENTRAL	APOPKA	2	M4405	6.7
NORTH CENTRAL	APOPKA	1	M4407	7.5
NORTH CENTRAL	APOPKA	1	M4408	5.1
NORTH CENTRAL	APOPKA	1	M0101	4.9
NORTH CENTRAL	APOPKA	2	M0103	4.3
NORTH CENTRAL	APOPKA	2	M0104	4.7
NORTH CENTRAL	APOPKA	1	M0106	5.9
NORTH CENTRAL	APOPKA	1	M0107	6.6
NORTH CENTRAL	APOPKA	2	M0109	4.6
NORTH CENTRAL	APOPKA	2	M0110	8.0
NORTH CENTRAL	APOPKA	1	M0112	5.4
NORTH CENTRAL	APOPKA	2	M0113	5.9
NORTH CENTRAL	APOPKA	1	M0115	4.4
NORTH CENTRAL	APOPKA	1	M0542	7.7
NORTH CENTRAL	APOPKA	1	M0543	5.4
NORTH CENTRAL	APOPKA	3	M0545	7.1
NORTH CENTRAL	APOPKA	3	M0548	7.2
NORTH CENTRAL	APOPKA	1	M0550	6.8
NORTH CENTRAL	APOPKA	1	M0552	6.0
NORTH CENTRAL	APOPKA	3	M0554	6.5
NORTH CENTRAL	APOPKA	1	M0563	8.2
NORTH CENTRAL	APOPKA	1	M0564	6.4
NORTH CENTRAL	APOPKA	1	M0031	3.4
NORTH CENTRAL	APOPKA	1	M0032	3.1
NORTH CENTRAL	APOPKA	2	M0033	8.7
NORTH CENTRAL	APOPKA	2	M0034	8.0
NORTH CENTRAL	DELAND	1	W0902	6.9
NORTH CENTRAL	DELAND	2	W0903	2.0
NORTH CENTRAL	DELAND	2	W0904	4.3
NORTH CENTRAL	DELAND	3	W0515	5.8

NORTH CENTRAL	DELAND	3	W0516	6.9
NORTH CENTRAL	DELAND	3	W0517	4.7
NORTH CENTRAL	DELAND	2	W0523	4.1
NORTH CENTRAL	DELAND	2	W0524	8.2
NORTH CENTRAL	DELAND	1	W0803	8.2
NORTH CENTRAL	DELAND	1	W0804	5.7
NORTH CENTRAL	DELAND	1	W0805	7.0
NORTH CENTRAL	DELAND	2	W0806	7.0
NORTH CENTRAL	DELAND	2	W0807	6.9
NORTH CENTRAL	DELAND	2	W0808	7.3
NORTH CENTRAL	DELAND	2	W0809	9.3
NORTH CENTRAL	DELAND	3	W1102	5.5
NORTH CENTRAL	DELAND	3	W1103	7.1
NORTH CENTRAL	DELAND	3	W1104	7.2
NORTH CENTRAL	DELAND	2	W1105	5.3
NORTH CENTRAL	DELAND	2	W1106	6.3
NORTH CENTRAL	DELAND	2	W1107	7.4
NORTH CENTRAL	DELAND	1	W1108	8.4
NORTH CENTRAL	DELAND	1	W1109	4.7
NORTH CENTRAL	DELAND	1	W1110	7.4
NORTH CENTRAL	DELAND	1	W0032	7.5
NORTH CENTRAL	DELAND	1	W0034	5.2
NORTH CENTRAL	DELAND	3	W4550	5.6
NORTH CENTRAL	DELAND	3	W4553	4.7
NORTH CENTRAL	DELAND	1	W4555	6.8
NORTH CENTRAL	DELAND	3	W4556	9.7
NORTH CENTRAL	DELAND	2	W4558	7.6
NORTH CENTRAL	DELAND	1	W4561	4.7
NORTH CENTRAL	DELAND	3	W4562	8.7
NORTH CENTRAL	DELAND	2	W4564	3.7
NORTH CENTRAL	DELAND	2	W4565	6.3
NORTH CENTRAL	DELAND	1	W4567	6.5
NORTH CENTRAL	DELAND	3	W0121	7.1
NORTH CENTRAL	DELAND	2	W0123	8.9
NORTH CENTRAL	DELAND	3	W0124	8.2
NORTH CENTRAL	DELAND	2	W0126	5.1
NORTH CENTRAL	DELAND	3	W0130	8.2
NORTH CENTRAL	DELAND	2	W0132	8.0
NORTH CENTRAL	DELAND	1	W0751	7.1
NORTH CENTRAL	DELAND	1	W0752	5.7
NORTH CENTRAL	DELAND	1	W1700	9.7
NORTH CENTRAL	DELAND	2	W1701	6.4
NORTH CENTRAL	DELAND	1	W1703	9.0
NORTH CENTRAL	DELAND	2	W1704	9.9
NORTH CENTRAL	DELAND	1	W0201	7.7
NORTH CENTRAL	DELAND	1	W0202	6.1

NORTH CENTRAL	DELAND	2	W0210	5.0
NORTH CENTRAL	DELAND	2	W0211	5.8
NORTH CENTRAL	DELAND	3	W0370	6.9
NORTH CENTRAL	DELAND	2	W0372	7.8
NORTH CENTRAL	DELAND	3	W0376	8.0
NORTH CENTRAL	DELAND	2	W0378	3.9
NORTH CENTRAL	DELAND	3	W0382	6.1
NORTH CENTRAL	DELAND	8	W0761	8.2
NORTH CENTRAL	DELAND	8	W0762	6.3
NORTH CENTRAL	DELAND	11	W0763	7.6
NORTH CENTRAL	DELAND	11	W0764	5.5
NORTH CENTRAL	JAMESTOWN	2	W0289	9.8
NORTH CENTRAL	JAMESTOWN	2	W0290	8.7
NORTH CENTRAL	JAMESTOWN	3	W0297	9.7
NORTH CENTRAL	JAMESTOWN	3	W0298	11.2
NORTH CENTRAL	JAMESTOWN	1	W0951	9.2
NORTH CENTRAL	JAMESTOWN	1	W0952	4.6
NORTH CENTRAL	JAMESTOWN	1	W0953	9.6
NORTH CENTRAL	JAMESTOWN	2	W0954	11.1
NORTH CENTRAL	JAMESTOWN	2	W0955	10.0
NORTH CENTRAL	JAMESTOWN	2	W0956	9.6
NORTH CENTRAL	JAMESTOWN	1	W0017	6.1
NORTH CENTRAL	JAMESTOWN	1	W0018	4.3
NORTH CENTRAL	JAMESTOWN	1	W0019	9.8
NORTH CENTRAL	JAMESTOWN	2	W0020	8.2
NORTH CENTRAL	JAMESTOWN	1	W0021	4.5
NORTH CENTRAL	JAMESTOWN	2	W0022	9.4
NORTH CENTRAL	JAMESTOWN	2	W0025	5.4
NORTH CENTRAL	JAMESTOWN	2	W0026	9.9
NORTH CENTRAL	JAMESTOWN	3	W0027	11.4
NORTH CENTRAL	JAMESTOWN	3	W0028	5.1
NORTH CENTRAL	JAMESTOWN	3	W0029	5.0
NORTH CENTRAL	JAMESTOWN	2	W0250	11.2
NORTH CENTRAL	JAMESTOWN	3	W0252	9.6
NORTH CENTRAL	JAMESTOWN	2	W0253	7.7
NORTH CENTRAL	JAMESTOWN	3	W0255	4.3
NORTH CENTRAL	JAMESTOWN	2	W0265	7.0
NORTH CENTRAL	JAMESTOWN	2	W0271	12.2
NORTH CENTRAL	JAMESTOWN	1	W0273	3.2
NORTH CENTRAL	JAMESTOWN	3	W0274	10.6
NORTH CENTRAL	JAMESTOWN	1	W0276	3.8
NORTH CENTRAL	JAMESTOWN	3	W0281	11.0
NORTH CENTRAL	JAMESTOWN	2	W0318	5.2
NORTH CENTRAL	JAMESTOWN	1	W0320	7.8
NORTH CENTRAL	JAMESTOWN	2	W0321	7.7
NORTH CENTRAL	JAMESTOWN	2	W0324	8.3

NORTH CENTRAL	JAMESTOWN	1	W0326	10.8
NORTH CENTRAL	JAMESTOWN	2	W0327	10.3
NORTH CENTRAL	JAMESTOWN	1	W0329	3.9
NORTH CENTRAL	JAMESTOWN	1	W0480	9.0
NORTH CENTRAL	JAMESTOWN	1	W0481	5.9
NORTH CENTRAL	JAMESTOWN	2	W0482	7.3
NORTH CENTRAL	JAMESTOWN	2	W0483	6.0
NORTH CENTRAL	JAMESTOWN	1	W0171	6.7
NORTH CENTRAL	JAMESTOWN	1	W0172	7.4
NORTH CENTRAL	JAMESTOWN	2	W0174	10.6
NORTH CENTRAL	JAMESTOWN	2	W0175	6.1
NORTH CENTRAL	JAMESTOWN	3	W0176	7.6
NORTH CENTRAL	JAMESTOWN	3	W0181	5.3
NORTH CENTRAL	JAMESTOWN	1	W0469	5.2
NORTH CENTRAL	JAMESTOWN	1	W0470	10.2
NORTH CENTRAL	JAMESTOWN	1	W0471	7.2
NORTH CENTRAL	JAMESTOWN	2	W0472	6.0
NORTH CENTRAL	JAMESTOWN	2	W0473	8.2
NORTH CENTRAL	JAMESTOWN	2	W0474	10.1
NORTH CENTRAL	JAMESTOWN	1	W0475	7.4
NORTH CENTRAL	JAMESTOWN	2	W0476	5.8
NORTH CENTRAL	JAMESTOWN	1	W1012	9.0
NORTH CENTRAL	JAMESTOWN	1	W1013	8.1
NORTH CENTRAL	JAMESTOWN	1	W1014	8.3
NORTH CENTRAL	JAMESTOWN	2	W1015	6.9
NORTH CENTRAL	JAMESTOWN	2	W1016	11.6
NORTH CENTRAL	JAMESTOWN	2	W1017	5.8
NORTH CENTRAL	JAMESTOWN	2	W1018	5.3
NORTH CENTRAL	JAMESTOWN	3	W0940	0.7
NORTH CENTRAL	JAMESTOWN	1	W0942	2.2
NORTH CENTRAL	JAMESTOWN	1	W0980	10.0
NORTH CENTRAL	JAMESTOWN	2	W0981	7.1
NORTH CENTRAL	JAMESTOWN	2	W0982	6.8
NORTH CENTRAL	JAMESTOWN	1	W0983	5.6
NORTH CENTRAL	JAMESTOWN	3	W0988	2.6
NORTH CENTRAL	JAMESTOWN	1	W0989	3.3
NORTH CENTRAL	JAMESTOWN	2	W0992	10.7
NORTH CENTRAL	JAMESTOWN	3	W0994	10.4
NORTH CENTRAL	JAMESTOWN	3	W0700	8.5
NORTH CENTRAL	JAMESTOWN	2	W0702	5.2
NORTH CENTRAL	JAMESTOWN	3	W0703	7.8
NORTH CENTRAL	JAMESTOWN	2	W0705	3.8
NORTH CENTRAL	JAMESTOWN	3	W0708	10.8
NORTH CENTRAL	JAMESTOWN	1	W0924	11.3
NORTH CENTRAL	JAMESTOWN	1	W0925	10.5
NORTH CENTRAL	JAMESTOWN	1	W0926	9.1

NORTH CENTRAL	JAMESTOWN	1	W0927	7.8
NORTH CENTRAL	JAMESTOWN	3	W0928	8.6
NORTH CENTRAL	JAMESTOWN	3	W0929	11.0
NORTH CENTRAL	JAMESTOWN	3	W0930	6.0
NORTH CENTRAL	JAMESTOWN	3	W0931	9.9
NORTH CENTRAL	JAMESTOWN	3	W0187	9.8
NORTH CENTRAL	JAMESTOWN	3	W0188	10.7
NORTH CENTRAL	JAMESTOWN	3	W0189	8.4
NORTH CENTRAL	JAMESTOWN	1	W0192	8.3
NORTH CENTRAL	JAMESTOWN	1	W0193	4.5
NORTH CENTRAL	JAMESTOWN	1	W0194	7.2
NORTH CENTRAL	JAMESTOWN	2	W0195	8.4
NORTH CENTRAL	JAMESTOWN	2	W0196	8.4
NORTH CENTRAL	LONGWOOD	1	M0571	4.9
NORTH CENTRAL	LONGWOOD	1	M0572	12.6
NORTH CENTRAL	LONGWOOD	1	M0573	3.2
NORTH CENTRAL	LONGWOOD	1	M0574	5.1
NORTH CENTRAL	LONGWOOD	2	M0575	6.8
NORTH CENTRAL	LONGWOOD	2	M0576	7.2
NORTH CENTRAL	LONGWOOD	2	M0578	8.5
NORTH CENTRAL	LONGWOOD	2	M0579	8.2
NORTH CENTRAL	LONGWOOD	1	M1131	4.9
NORTH CENTRAL	LONGWOOD	1	M1132	5.5
NORTH CENTRAL	LONGWOOD	1	M1133	4.9
NORTH CENTRAL	LONGWOOD	2	M1135	10.6
NORTH CENTRAL	LONGWOOD	2	M1136	8.2
NORTH CENTRAL	LONGWOOD	2	M1137	7.8
NORTH CENTRAL	LONGWOOD	3	M1138	7.8
NORTH CENTRAL	LONGWOOD	3	M1139	8.5
NORTH CENTRAL	LONGWOOD	1	M0907	6.0
NORTH CENTRAL	LONGWOOD	1	M0908	4.5
NORTH CENTRAL	LONGWOOD	1	M0909	5.2
NORTH CENTRAL	LONGWOOD	1	M0001	10.8
NORTH CENTRAL	LONGWOOD	2	M0002	3.9
NORTH CENTRAL	LONGWOOD	1	M0003	7.0
NORTH CENTRAL	LONGWOOD	2	M0004	4.6
NORTH CENTRAL	LONGWOOD	1	W0151	5.6
NORTH CENTRAL	LONGWOOD	1	W0153	5.7
NORTH CENTRAL	LONGWOOD	2	W0158	3.2
NORTH CENTRAL	LONGWOOD	2	W0161	8.9
NORTH CENTRAL	LONGWOOD	2	M0421	5.3
NORTH CENTRAL	LONGWOOD	2	M0422	6.3
NORTH CENTRAL	LONGWOOD	2	M0423	4.5
NORTH CENTRAL	LONGWOOD	2	M0424	6.3
NORTH CENTRAL	LONGWOOD	1	M0425	3.3
NORTH CENTRAL	LONGWOOD	1	M0426	7.3

NORTH CENTRAL	LONGWOOD	1	M0427	3.8
NORTH CENTRAL	LONGWOOD	1	M0428	7.1
NORTH CENTRAL	LONGWOOD	1	M0142	11.0
NORTH CENTRAL	LONGWOOD	1	M0143	6.9
NORTH CENTRAL	LONGWOOD	2	M0144	12.6
NORTH CENTRAL	LONGWOOD	2	M0145	12.2
NORTH CENTRAL	LONGWOOD	3	M0080	7.9
NORTH CENTRAL	LONGWOOD	1	M0081	7.3
NORTH CENTRAL	LONGWOOD	1	M0082	7.1
NORTH CENTRAL	LONGWOOD	1	M0084	4.3
NORTH CENTRAL	LONGWOOD	2	M0085	5.7
NORTH CENTRAL	LONGWOOD	3	W0079	9.3
NORTH CENTRAL	LONGWOOD	2	W0086	4.7
NORTH CENTRAL	LONGWOOD	2	W0087	10.0
NORTH CENTRAL	LONGWOOD	2	M0648	7.7
NORTH CENTRAL	LONGWOOD	2	M0649	9.0
NORTH CENTRAL	LONGWOOD	2	M0650	5.1
NORTH CENTRAL	LONGWOOD	2	M0651	9.2
NORTH CENTRAL	LONGWOOD	3	M0657	9.2
NORTH CENTRAL	LONGWOOD	3	M0658	5.9
NORTH CENTRAL	LONGWOOD	3	M0659	7.8
NORTH CENTRAL	LONGWOOD	6	M1749	10.3
NORTH CENTRAL	LONGWOOD	7	M1751	9.7
NORTH CENTRAL	LONGWOOD	6	M1755	6.6
NORTH CENTRAL	LONGWOOD	7	M1757	5.8
NORTH CENTRAL	LONGWOOD	6	M1758	11.0
NORTH CENTRAL	LONGWOOD	7	M1760	6.0
NORTH CENTRAL	LONGWOOD	6	M1761	7.7
NORTH CENTRAL	LONGWOOD	7	M1763	8.5
NORTH CENTRAL	LONGWOOD	2	M0662	6.2
NORTH CENTRAL	LONGWOOD	2	M0663	5.3
NORTH CENTRAL	LONGWOOD	2	M0664	7.5
NORTH CENTRAL	LONGWOOD	1	M0666	4.6
NORTH CENTRAL	LONGWOOD	1	M0667	5.8
NORTH CENTRAL	LONGWOOD	1	M0668	10.2
NORTH CENTRAL	LONGWOOD	3	M0669	6.8
NORTH CENTRAL	LONGWOOD	3	M0670	7.6
NORTH CENTRAL	LONGWOOD	4	W0014	1.9
NORTH CENTRAL	LONGWOOD	4	W0015	7.9
NORTH CENTRAL	LONGWOOD	4	W0016	5.0
NORTH COASTAL	INVERNESS	1	A0199	5.3
NORTH COASTAL	INVERNESS	1	A0200	3.2
NORTH COASTAL	INVERNESS	2	A0072	6.3
NORTH COASTAL	INVERNESS	2	A0073	4.8
NORTH COASTAL	INVERNESS	1	A0074	7.1
NORTH COASTAL	INVERNESS	1	A0075	7.2

NORTH COASTAL	INVERNESS	3	A0095	6.9
NORTH COASTAL	INVERNESS	3	A0096	8.6
NORTH COASTAL	INVERNESS	2	A0097	5.7
NORTH COASTAL	INVERNESS	2	A0098	6.1
NORTH COASTAL	INVERNESS	2	A0250	7.0
NORTH COASTAL	INVERNESS	1	A0251	7.8
NORTH COASTAL	INVERNESS	1	A0253	6.5
NORTH COASTAL	INVERNESS	2	A0282	6.7
NORTH COASTAL	INVERNESS	3	A0283	5.7
NORTH COASTAL	INVERNESS	2	A0284	8.7
NORTH COASTAL	INVERNESS	3	A0285	4.3
NORTH COASTAL	INVERNESS	2	A0286	6.2
NORTH COASTAL	INVERNESS	1	A0161	7.4
NORTH COASTAL	INVERNESS	1	A0162	6.4
NORTH COASTAL	INVERNESS	1	A0159	5.5
NORTH COASTAL	INVERNESS	2	A0068	8.0
NORTH COASTAL	INVERNESS	2	A0069	5.6
NORTH COASTAL	INVERNESS	1	A0070	6.1
NORTH COASTAL	INVERNESS	1	A0071	5.7
NORTH COASTAL	INVERNESS	1	A0087	4.1
NORTH COASTAL	INVERNESS	1	A0088	2.0
NORTH COASTAL	INVERNESS	1	A0430	8.3
NORTH COASTAL	INVERNESS	1	A0431	10.7
NORTH COASTAL	INVERNESS	1	A0047	6.3
NORTH COASTAL	INVERNESS	2	A0048	6.4
NORTH COASTAL	INVERNESS	1	A0049	5.2
NORTH COASTAL	INVERNESS	3	A0271	6.2
NORTH COASTAL	INVERNESS	3	A0272	7.7
NORTH COASTAL	INVERNESS	2	A0078	5.0
NORTH COASTAL	INVERNESS	1	A0081	6.3
NORTH COASTAL	INVERNESS	1	A0082	7.5
NORTH COASTAL	INVERNESS	1	A0083	8.0
NORTH COASTAL	INVERNESS	2	A0084	8.4
NORTH COASTAL	INVERNESS	2	A0085	10.7
NORTH COASTAL	INVERNESS	1	A0132	5.3
NORTH COASTAL	INVERNESS	1	A0422	7.5
NORTH COASTAL	INVERNESS	1	A0423	7.7
NORTH COASTAL	INVERNESS	2	A0425	5.8
NORTH COASTAL	INVERNESS	1	A0368	5.6
NORTH COASTAL	INVERNESS	2	A0369	4.3
NORTH COASTAL	INVERNESS	3	A0112	5.5
NORTH COASTAL	INVERNESS	2	A0262	10.7
NORTH COASTAL	INVERNESS	2	A0263	4.9
NORTH COASTAL	INVERNESS	2	A0264	4.4
NORTH COASTAL	INVERNESS	2	A0207	7.4
NORTH COASTAL	INVERNESS	2	A0208	2.6

NORTH COASTAL	INVERNESS	1	A0212	6.1
NORTH COASTAL	INVERNESS	1	A0216	5.2
NORTH COASTAL	INVERNESS	2	A0218	5.9
NORTH COASTAL	INVERNESS	2	A0219	4.3
NORTH COASTAL	INVERNESS	1	A0221	5.3
NORTH COASTAL	INVERNESS	1	A0124	6.4
NORTH COASTAL	INVERNESS	2	A0125	9.1
NORTH COASTAL	MONTICELLO	1	A0143	1.0
NORTH COASTAL	MONTICELLO	1	A0144	0.5
NORTH COASTAL	MONTICELLO	1	N58	5.2
NORTH COASTAL	MONTICELLO	2	N59	6.0
NORTH COASTAL	MONTICELLO	1	A0195	2.2
NORTH COASTAL	MONTICELLO	2	A0196	3.2
NORTH COASTAL	MONTICELLO	2	N515	1.5
NORTH COASTAL	MONTICELLO	1	N516	4.3
NORTH COASTAL	MONTICELLO	2	N527	4.8
NORTH COASTAL	MONTICELLO	1	N42	2.2
NORTH COASTAL	MONTICELLO	1	N43	7.0
NORTH COASTAL	MONTICELLO	1	N48	2.9
NORTH COASTAL	MONTICELLO	3	N35	6.5
NORTH COASTAL	MONTICELLO	2	N36	5.2
NORTH COASTAL	MONTICELLO	2	A0115	2.8
NORTH COASTAL	MONTICELLO	2	A0118	3.4
NORTH COASTAL	MONTICELLO	1	A0119	8.0
NORTH COASTAL	MONTICELLO	1	A0046	5.2
NORTH COASTAL	MONTICELLO	1	N230	3.0
NORTH COASTAL	MONTICELLO	1	N231	4.9
NORTH COASTAL	MONTICELLO	2	A0020	4.2
NORTH COASTAL	MONTICELLO	1	A0185	0.6
NORTH COASTAL	MONTICELLO	1	A0186	3.9
NORTH COASTAL	MONTICELLO	1	A0045	6.5
NORTH COASTAL	MONTICELLO	1	A0015	9.2
NORTH COASTAL	MONTICELLO	2	A0016	6.4
NORTH COASTAL	MONTICELLO	1	N556	11.5
NORTH COASTAL	MONTICELLO	2	N191	5.0
NORTH COASTAL	MONTICELLO	1	N192	4.3
NORTH COASTAL	MONTICELLO	1	N195	2.4
NORTH COASTAL	MONTICELLO	1	A0192	4.5
NORTH COASTAL	MONTICELLO	2	N1	4.7
NORTH COASTAL	MONTICELLO	2	N2	5.8
NORTH COASTAL	MONTICELLO	1	N3	7.4
NORTH COASTAL	MONTICELLO	1	N4	3.5
NORTH COASTAL	MONTICELLO	1	N66	3.6
NORTH COASTAL	MONTICELLO	1	N67	6.7
NORTH COASTAL	MONTICELLO	2	N68	2.4
NORTH COASTAL	MONTICELLO	2	N69	6.3

NORTH COASTAL	MONTICELLO	1	A0094	11.6
NORTH COASTAL	MONTICELLO	1	A0379	4.6
NORTH COASTAL	MONTICELLO	2	N37	5.0
NORTH COASTAL	MONTICELLO	1	N38	4.6
NORTH COASTAL	MONTICELLO	2	N10	7.0
NORTH COASTAL	MONTICELLO	1	N7	5.6
NORTH COASTAL	MONTICELLO	1	N8	2.3
NORTH COASTAL	MONTICELLO	2	N9	6.2
NORTH COASTAL	MONTICELLO	1	N14	7.4
NORTH COASTAL	MONTICELLO	1	N15	8.6
NORTH COASTAL	MONTICELLO	2	N52	3.8
NORTH COASTAL	MONTICELLO	2	N53	5.7
NORTH COASTAL	MONTICELLO	2	N54	4.7
NORTH COASTAL	MONTICELLO	2	N55	0.2
NORTH COASTAL	MONTICELLO	1	N202	4.5
NORTH COASTAL	MONTICELLO	1	N203	1.0
NORTH COASTAL	MONTICELLO	1	N327	5.3
NORTH COASTAL	MONTICELLO	2	N331	4.6
NORTH COASTAL	MONTICELLO	1	N332	7.0
NORTH COASTAL	MONTICELLO	2	N336	3.3
NORTH COASTAL	MONTICELLO	1	N233	9.4
NORTH COASTAL	MONTICELLO	1	N234	4.3
NORTH COASTAL	MONTICELLO	1	N0324	4.0
NORTH COASTAL	MONTICELLO	1	N323	2.0
NORTH COASTAL	MONTICELLO	2	N325	5.5
NORTH COASTAL	MONTICELLO	1	A0090	6.7
NORTH COASTAL	MONTICELLO	1	A0091	2.1
NORTH COASTAL	MONTICELLO	2	N64	2.4
NORTH COASTAL	MONTICELLO	1	N65	2.0
NORTH COASTAL	MONTICELLO	2	N375	2.7
NORTH COASTAL	OCALA	1	A0001	5.5
NORTH COASTAL	OCALA	2	A0002	7.8
NORTH COASTAL	OCALA	1	A0003	1.9
NORTH COASTAL	OCALA	2	A0004	7.1
NORTH COASTAL	OCALA	2	A0006	8.8
NORTH COASTAL	OCALA	1	A0012	6.5
NORTH COASTAL	OCALA	2	A0014	10.9
NORTH COASTAL	OCALA	1	A0561	2.3
NORTH COASTAL	OCALA	1	A0562	3.9
NORTH COASTAL	OCALA	1	A170	10.3
NORTH COASTAL	OCALA	1	A171	3.7
NORTH COASTAL	OCALA	1	A0105	4.0
NORTH COASTAL	OCALA	2	A0107	3.3
NORTH COASTAL	OCALA	2	A0108	3.9
NORTH COASTAL	OCALA	2	A0224	6.2
NORTH COASTAL	OCALA	1	A0228	6.3

NORTH COASTAL	OCALA	1	A0243	7.0
NORTH COASTAL	OCALA	2	A0244	6.3
NORTH COASTAL	OCALA	2	A0245	7.1
NORTH COASTAL	OCALA	1	A0246	9.0
NORTH COASTAL	OCALA	1	A0061	5.9
NORTH COASTAL	OCALA	2	A0064	7.7
NORTH COASTAL	OCALA	1	A0333	11.0
NORTH COASTAL	OCALA	2	A0334	8.9
NORTH COASTAL	OCALA	1	A0335	8.1
NORTH COASTAL	OCALA	2	A0336	7.8
NORTH COASTAL	OCALA	1	A0038	8.7
NORTH COASTAL	OCALA	1	A0039	7.2
NORTH COASTAL	OCALA	1	A0050	3.7
NORTH COASTAL	OCALA	2	A0051	5.1
NORTH COASTAL	OCALA	2	A0309	5.4
NORTH COASTAL	OCALA	1	A0310	8.0
NORTH COASTAL	OCALA	2	A0388	7.4
NORTH COASTAL	OCALA	1	A0389	7.0
NORTH COASTAL	OCALA	1	A0392	7.7
NORTH COASTAL	OCALA	2	A0394	10.1
NORTH COASTAL	OCALA	2	A0034	7.8
NORTH COASTAL	OCALA	2	A0035	5.4
NORTH COASTAL	OCALA	1	A0036	5.3
NORTH COASTAL	OCALA	1	A0230	6.2
NORTH COASTAL	OCALA	2	A0231	8.3
NORTH COASTAL	OCALA	1	A0233	5.5
NORTH COASTAL	OCALA	3	A0153	10.5
NORTH COASTAL	OCALA	3	A0154	6.4
NORTH COASTAL	OCALA	2	A0128	5.5
NORTH COASTAL	OCALA	1	A0129	13.1
NORTH COASTAL	OCALA	1	A0130	7.2
NORTH COASTAL	OCALA	2	A0131	8.5
NORTH COASTAL	OCALA	1	A0321	8.1
NORTH COASTAL	OCALA	2	A0322	6.0
NORTH COASTAL	OCALA	1	A0395	9.1
NORTH COASTAL	OCALA	2	A0396	6.6
NORTH COASTAL	OCALA	2	A0397	3.8
NORTH COASTAL	OCALA	1	A0398	4.5
NORTH COASTAL	OCALA	1	A0202	9.7
NORTH COASTAL	OCALA	1	A0203	5.8
NORTH COASTAL	OCALA	2	A0204	7.4
NORTH COASTAL	OCALA	2	A0205	5.5
SOUTH CENTRAL	BUENA VISTA	1	K1501	9.7
SOUTH CENTRAL	BUENA VISTA	2	K1503	11.2
SOUTH CENTRAL	BUENA VISTA	1	K3360	12.2
SOUTH CENTRAL	BUENA VISTA	2	K3362	10.6

SOUTH CENTRAL	BUENA VISTA	1	K3364	6.6
SOUTH CENTRAL	BUENA VISTA	3	K67	9.8
SOUTH CENTRAL	BUENA VISTA	3	K68	9.7
SOUTH CENTRAL	BUENA VISTA	1	K72	6.3
SOUTH CENTRAL	BUENA VISTA	1	K73	8.8
SOUTH CENTRAL	BUENA VISTA	1	K74	9.3
SOUTH CENTRAL	BUENA VISTA	2	K75	8.3
SOUTH CENTRAL	BUENA VISTA	2	K76	7.9
SOUTH CENTRAL	BUENA VISTA	2	K77	4.6
SOUTH CENTRAL	BUENA VISTA	3	K79	10.3
SOUTH CENTRAL	BUENA VISTA	2	K957	8.6
SOUTH CENTRAL	BUENA VISTA	1	K958	8.6
SOUTH CENTRAL	BUENA VISTA	1	K959	11.8
SOUTH CENTRAL	BUENA VISTA	2	K960	10.9
SOUTH CENTRAL	BUENA VISTA	2	K961	11.1
SOUTH CENTRAL	BUENA VISTA	1	K964	9.5
SOUTH CENTRAL	BUENA VISTA	2	K1230	2.4
SOUTH CENTRAL	BUENA VISTA	2	K1231	7.8
SOUTH CENTRAL	BUENA VISTA	2	K1234	4.7
SOUTH CENTRAL	BUENA VISTA	1	K973	3.1
SOUTH CENTRAL	BUENA VISTA	1	K974	9.3
SOUTH CENTRAL	BUENA VISTA	1	K975	6.2
SOUTH CENTRAL	BUENA VISTA	1	K976	6.8
SOUTH CENTRAL	BUENA VISTA	2	K2701	9.4
SOUTH CENTRAL	BUENA VISTA	3	K2703	7.5
SOUTH CENTRAL	BUENA VISTA	2	K2704	4.4
SOUTH CENTRAL	BUENA VISTA	3	K2706	10.0
SOUTH CENTRAL	BUENA VISTA	2	K1761	8.4
SOUTH CENTRAL	BUENA VISTA	1	K1762	16.0
SOUTH CENTRAL	BUENA VISTA	2	K1763	9.5
SOUTH CENTRAL	BUENA VISTA	1	K1764	10.8
SOUTH CENTRAL	BUENA VISTA	1	K1404	6.4
SOUTH CENTRAL	BUENA VISTA	2	K1406	7.2
SOUTH CENTRAL	BUENA VISTA	1	K1407	6.3
SOUTH CENTRAL	BUENA VISTA	2	K1409	4.6
SOUTH CENTRAL	BUENA VISTA	3	K1410	3.8
SOUTH CENTRAL	BUENA VISTA	2	K1412	7.5
SOUTH CENTRAL	BUENA VISTA	3	K1414	4.6
SOUTH CENTRAL	BUENA VISTA	3	K1416	11.8
SOUTH CENTRAL	BUENA VISTA	1	K83	11.6
SOUTH CENTRAL	BUENA VISTA	1	K84	8.9
SOUTH CENTRAL	BUENA VISTA	1	K40	10.9
SOUTH CENTRAL	BUENA VISTA	2	K42	4.4
SOUTH CENTRAL	BUENA VISTA	2	K43	9.7
SOUTH CENTRAL	BUENA VISTA	3	K45	9.6
SOUTH CENTRAL	BUENA VISTA	3	K48	7.1

SOUTH CENTRAL	BUENA VISTA	3	K49	12.8
SOUTH CENTRAL	BUENA VISTA	1	K51	8.4
SOUTH CENTRAL	BUENA VISTA	3	K4815	8.6
SOUTH CENTRAL	BUENA VISTA	2	K4817	6.9
SOUTH CENTRAL	BUENA VISTA	3	K4818	9.0
SOUTH CENTRAL	BUENA VISTA	2	K4820	7.3
SOUTH CENTRAL	BUENA VISTA	3	K230	8.3
SOUTH CENTRAL	BUENA VISTA	3	K231	7.8
SOUTH CENTRAL	BUENA VISTA	3	K232	8.7
SOUTH CENTRAL	BUENA VISTA	2	K238	7.2
SOUTH CENTRAL	BUENA VISTA	2	K239	3.8
SOUTH CENTRAL	BUENA VISTA	1	K240	2.3
SOUTH CENTRAL	BUENA VISTA	1	K242	2.8
SOUTH CENTRAL	BUENA VISTA	2	K244	10.9
SOUTH CENTRAL	BUENA VISTA	1	K881	10.9
SOUTH CENTRAL	BUENA VISTA	1	K882	7.9
SOUTH CENTRAL	BUENA VISTA	2	K883	9.0
SOUTH CENTRAL	BUENA VISTA	2	K884	8.4
SOUTH CENTRAL	BUENA VISTA	1	K217	3.4
SOUTH CENTRAL	BUENA VISTA	2	K218	3.6
SOUTH CENTRAL	BUENA VISTA	1	K220	2.6
SOUTH CENTRAL	BUENA VISTA	1	K221	4.3
SOUTH CENTRAL	BUENA VISTA	1	K222	7.7
SOUTH CENTRAL	BUENA VISTA	1	K223	3.5
SOUTH CENTRAL	BUENA VISTA	1	K224	3.5
SOUTH CENTRAL	BUENA VISTA	2	K225	6.6
SOUTH CENTRAL	BUENA VISTA	2	K226	7.2
SOUTH CENTRAL	BUENA VISTA	2	K227	3.5
SOUTH CENTRAL	BUENA VISTA	2	K228	9.1
SOUTH CENTRAL	BUENA VISTA	2	K229	2.5
SOUTH CENTRAL	BUENA VISTA	1	K408	8.7
SOUTH CENTRAL	BUENA VISTA	1	K409	3.9
SOUTH CENTRAL	BUENA VISTA	2	K1102	11.2
SOUTH CENTRAL	BUENA VISTA	1	K1104	4.6
SOUTH CENTRAL	BUENA VISTA	2	K1108	11.2
SOUTH CENTRAL	BUENA VISTA	1	K1110	9.9
SOUTH CENTRAL	BUENA VISTA	1	K1111	9.6
SOUTH CENTRAL	BUENA VISTA	1	K920	3.4
SOUTH CENTRAL	BUENA VISTA	2	K922	6.8
SOUTH CENTRAL	BUENA VISTA	2	K923	3.0
SOUTH CENTRAL	BUENA VISTA	3	K925	5.0
SOUTH CENTRAL	BUENA VISTA	1	K926	1.3
SOUTH CENTRAL	BUENA VISTA	2	K928	5.1
SOUTH CENTRAL	BUENA VISTA	2	K929	5.2
SOUTH CENTRAL	BUENA VISTA	3	K931	3.9
SOUTH CENTRAL	BUENA VISTA	3	K932	1.9

SOUTH CENTRAL	BUENA VISTA	2	K934	5.4
SOUTH CENTRAL	BUENA VISTA	1	K937	4.4
SOUTH CENTRAL	BUENA VISTA	1	K940	3.4
SOUTH CENTRAL	BUENA VISTA	2	K855	7.4
SOUTH CENTRAL	BUENA VISTA	1	K857	9.3
SOUTH CENTRAL	BUENA VISTA	2	K858	7.4
SOUTH CENTRAL	BUENA VISTA	1	K860	6.9
SOUTH CENTRAL	BUENA VISTA	1	K861	7.7
SOUTH CENTRAL	BUENA VISTA	2	K863	9.3
SOUTH CENTRAL	BUENA VISTA	2	K868	4.6
SOUTH CENTRAL	BUENA VISTA	1	K901	6.9
SOUTH CENTRAL	BUENA VISTA	2	K903	9.8
SOUTH CENTRAL	BUENA VISTA	2	K904	8.6
SOUTH CENTRAL	BUENA VISTA	3	K906	9.5
SOUTH CENTRAL	BUENA VISTA	1	K907	5.0
SOUTH CENTRAL	BUENA VISTA	2	K909	5.3
SOUTH CENTRAL	BUENA VISTA	2	K910	6.2
SOUTH CENTRAL	BUENA VISTA	3	K912	4.6
SOUTH CENTRAL	BUENA VISTA	1	K913	9.5
SOUTH CENTRAL	BUENA VISTA	3	K915	7.1
SOUTH CENTRAL	BUENA VISTA	1	K917	8.5
SOUTH CENTRAL	BUENA VISTA	3	K919	4.6
SOUTH CENTRAL	BUENA VISTA	1	K0420	8.5
SOUTH CENTRAL	BUENA VISTA	2	K0421	9.8
SOUTH CENTRAL	BUENA VISTA	1	K0425	12.1
SOUTH CENTRAL	BUENA VISTA	2	K0426	6.3
SOUTH CENTRAL	BUENA VISTA	2	K0428	5.1
SOUTH CENTRAL	BUENA VISTA	2	K0429	10.6
SOUTH CENTRAL	BUENA VISTA	1	K187	8.8
SOUTH CENTRAL	BUENA VISTA	1	K189	6.6
SOUTH CENTRAL	CLERMONT	1	K601	10.4
SOUTH CENTRAL	CLERMONT	1	K602	8.1
SOUTH CENTRAL	CLERMONT	1	K603	6.8
SOUTH CENTRAL	CLERMONT	2	K605	6.4
SOUTH CENTRAL	CLERMONT	2	K606	10.4
SOUTH CENTRAL	CLERMONT	2	K607	8.2
SOUTH CENTRAL	CLERMONT	1	K673	7.4
SOUTH CENTRAL	CLERMONT	1	K674	10.7
SOUTH CENTRAL	CLERMONT	2	K675	7.7
SOUTH CENTRAL	CLERMONT	1	K564	2.7
SOUTH CENTRAL	CLERMONT	1	K565	6.6
SOUTH CENTRAL	CLERMONT	1	K946	6.3
SOUTH CENTRAL	CLERMONT	2	K948	10.5
SOUTH CENTRAL	CLERMONT	1	K949	8.3
SOUTH CENTRAL	CLERMONT	1	K4831	10.8
SOUTH CENTRAL	CLERMONT	2	K4833	9.2

SOUTH CENTRAL	CLERMONT	1	K4834	7.6
SOUTH CENTRAL	CLERMONT	2	K4836	8.4
SOUTH CENTRAL	CLERMONT	1	K4837	9.2
SOUTH CENTRAL	CLERMONT	2	K4840	10.7
SOUTH CENTRAL	CLERMONT	1	K4841	8.8
SOUTH CENTRAL	CLERMONT	2	K4845	6.5
SOUTH CENTRAL	CLERMONT	1	K284	9.4
SOUTH CENTRAL	CLERMONT	2	K285	7.4
SOUTH CENTRAL	CLERMONT	2	K286	1.8
SOUTH CENTRAL	CLERMONT	2	A417	4.3
SOUTH CENTRAL	CLERMONT	2	A418	4.1
SOUTH CENTRAL	CLERMONT	2	A419	3.7
SOUTH CENTRAL	HIGHLANDS	1	K1361	3.6
SOUTH CENTRAL	HIGHLANDS	2	K0891	6.4
SOUTH CENTRAL	HIGHLANDS	2	K0892	2.2
SOUTH CENTRAL	HIGHLANDS	1	K0893	8.3
SOUTH CENTRAL	HIGHLANDS	1	K0894	4.9
SOUTH CENTRAL	HIGHLANDS	5	K0116	4.3
SOUTH CENTRAL	HIGHLANDS	5	K0117	5.4
SOUTH CENTRAL	HIGHLANDS	4	K0118	5.7
SOUTH CENTRAL	HIGHLANDS	4	K0119	8.8
SOUTH CENTRAL	HIGHLANDS	1	K3220	6.3
SOUTH CENTRAL	HIGHLANDS	1	K3221	1.1
SOUTH CENTRAL	HIGHLANDS	2	K3222	1.9
SOUTH CENTRAL	HIGHLANDS	2	K1684	1.9
SOUTH CENTRAL	HIGHLANDS	2	K1685	7.3
SOUTH CENTRAL	HIGHLANDS	2	K1687	2.4
SOUTH CENTRAL	HIGHLANDS	2	K1688	4.5
SOUTH CENTRAL	HIGHLANDS	2	K1689	5.4
SOUTH CENTRAL	HIGHLANDS	1	K1690	6.8
SOUTH CENTRAL	HIGHLANDS	1	K1691	8.2
SOUTH CENTRAL	HIGHLANDS	1	K1560	9.8
SOUTH CENTRAL	HIGHLANDS	3	K0170	0.4
SOUTH CENTRAL	HIGHLANDS	3	K0171	2.2
SOUTH CENTRAL	HIGHLANDS	1	K0757	3.6
SOUTH CENTRAL	HIGHLANDS	1	K0758	5.1
SOUTH CENTRAL	HIGHLANDS	2	K1066	7.9
SOUTH CENTRAL	HIGHLANDS	2	K1320	6.1
SOUTH CENTRAL	HIGHLANDS	1	K0024	3.5
SOUTH CENTRAL	HIGHLANDS	2	K0027	2.4
SOUTH CENTRAL	HIGHLANDS	1	K1693	7.1
SOUTH CENTRAL	HIGHLANDS	1	K1694	4.9
SOUTH CENTRAL	HIGHLANDS	1	K1695	5.3
SOUTH CENTRAL	HIGHLANDS	2	K1705	5.5
SOUTH CENTRAL	HIGHLANDS	2	K1706	8.2
SOUTH CENTRAL	HIGHLANDS	1	K1415	6.5

SOUTH CENTRAL	HIGHLANDS	1	K3205	0.2
SOUTH CENTRAL	HIGHLANDS	1	K3201	0.3
SOUTH CENTRAL	HIGHLANDS	1	K0541	2.7
SOUTH CENTRAL	HIGHLANDS	1	K0542	4.5
SOUTH CENTRAL	HIGHLANDS	2	K1135	7.3
SOUTH CENTRAL	HIGHLANDS	2	K1136	6.8
SOUTH CENTRAL	HIGHLANDS	2	K1137	2.7
SOUTH CENTRAL	HIGHLANDS	1	K1296	7.5
SOUTH CENTRAL	HIGHLANDS	1	K1297	5.8
SOUTH CENTRAL	HIGHLANDS	1	K1300	6.0
SOUTH CENTRAL	HIGHLANDS	1	K1081	5.1
SOUTH CENTRAL	HIGHLANDS	1	K1083	3.2
SOUTH CENTRAL	LAKE WALES	1	K1195	3.4
SOUTH CENTRAL	LAKE WALES	1	K1196	3.9
SOUTH CENTRAL	LAKE WALES	3	K1613	4.6
SOUTH CENTRAL	LAKE WALES	2	K1614	6.9
SOUTH CENTRAL	LAKE WALES	3	K1615	2.7
SOUTH CENTRAL	LAKE WALES	2	K1616	10.8
SOUTH CENTRAL	LAKE WALES	2	K1618	5.4
SOUTH CENTRAL	LAKE WALES	1	K0035	5.6
SOUTH CENTRAL	LAKE WALES	1	K0061	9.2
SOUTH CENTRAL	LAKE WALES	1	K0062	8.6
SOUTH CENTRAL	LAKE WALES	1	K1443	4.3
SOUTH CENTRAL	LAKE WALES	1	K1446	2.0
SOUTH CENTRAL	LAKE WALES	2	K1447	9.5
SOUTH CENTRAL	LAKE WALES	1	K1771	4.9
SOUTH CENTRAL	LAKE WALES	1	K1772	4.2
SOUTH CENTRAL	LAKE WALES	1	K0317	3.6
SOUTH CENTRAL	LAKE WALES	2	K0561	3.9
SOUTH CENTRAL	LAKE WALES	2	K0562	11.4
SOUTH CENTRAL	LAKE WALES	1	K0563	5.3
SOUTH CENTRAL	LAKE WALES	1	K0007	9.7
SOUTH CENTRAL	LAKE WALES	1	K0008	6.3
SOUTH CENTRAL	LAKE WALES	1	K0009	7.3
SOUTH CENTRAL	LAKE WALES	2	K3244	7.6
SOUTH CENTRAL	LAKE WALES	2	K3245	9.8
SOUTH CENTRAL	LAKE WALES	2	K3246	1.9
SOUTH CENTRAL	LAKE WALES	1	K1030	7.5
SOUTH CENTRAL	LAKE WALES	2	K1031	3.0
SOUTH CENTRAL	LAKE WALES	1	K1032	5.3
SOUTH CENTRAL	LAKE WALES	1	K0100	4.6
SOUTH CENTRAL	LAKE WALES	1	K0101	5.6
SOUTH CENTRAL	LAKE WALES	1	K0102	5.9
SOUTH CENTRAL	LAKE WALES	2	K0103	1.8
SOUTH CENTRAL	LAKE WALES	2	K0104	5.2
SOUTH CENTRAL	LAKE WALES	2	K0016	3.5

SOUTH CENTRAL	LAKE WALES	2	K0017	10.5
SOUTH CENTRAL	LAKE WALES	1	K0018	13.1
SOUTH CENTRAL	LAKE WALES	1	K0019	7.4
SOUTH CENTRAL	LAKE WALES	2	K0020	6.8
SOUTH CENTRAL	LAKE WALES	1	K0021	10.6
SOUTH CENTRAL	LAKE WALES	1	K0022	9.0
SOUTH CENTRAL	LAKE WALES	1	K0966	2.4
SOUTH CENTRAL	LAKE WALES	1	K0967	6.5
SOUTH CENTRAL	LAKE WALES	1	K1286	12.7
SOUTH CENTRAL	LAKE WALES	2	K1287	12.1
SOUTH CENTRAL	LAKE WALES	1	K1288	5.7
SOUTH CENTRAL	LAKE WALES	1	K1884	8.0
SOUTH CENTRAL	LAKE WALES	1	K1885	5.2
SOUTH CENTRAL	LAKE WALES	1	K0053	5.1
SOUTH CENTRAL	LAKE WALES	1	K0054	7.8
SOUTH CENTRAL	LAKE WALES	1	K0055	7.7
SOUTH CENTRAL	LAKE WALES	2	K0056	3.0
SOUTH CENTRAL	LAKE WALES	2	K0057	5.1
SOUTH CENTRAL	LAKE WALES	2	K0058	7.0
SOUTH CENTRAL	LAKE WALES	1	K5078	7.6
SOUTH CENTRAL	LAKE WALES	1	K5079	9.3
SOUTH CENTRAL	LAKE WALES	1	K5086	9.7
SOUTH CENTRAL	LAKE WALES	1	K0120	10.5
SOUTH CENTRAL	LAKE WALES	1	K1472	7.8
SOUTH CENTRAL	LAKE WALES	1	K1473	12.5
SOUTH CENTRAL	LAKE WALES	1	K1475	9.4
SOUTH CENTRAL	LAKE WALES	1	K1822	10.2
SOUTH CENTRAL	LAKE WALES	1	K1825	7.4
SOUTH CENTRAL	LAKE WALES	1	K1236	7.2
SOUTH CENTRAL	LAKE WALES	1	K1237	6.6
SOUTH CENTRAL	LAKE WALES	2	K1508	8.2
SOUTH CENTRAL	LAKE WALES	2	K1509	6.5
SOUTH CENTRAL	LAKE WALES	2	K1556	11.1
SOUTH CENTRAL	LAKE WALES	1	K1558	10.0
SOUTH CENTRAL	LAKE WALES	2	K1561	8.3
SOUTH CENTRAL	LAKE WALES	1	K1562	9.7
SOUTH CENTRAL	LAKE WALES	3	K629	6.8
SOUTH CENTRAL	LAKE WALES	3	K631	11.3
SOUTH CENTRAL	LAKE WALES	1	K0154	5.7
SOUTH CENTRAL	LAKE WALES	2	K1521	11.0
SOUTH CENTRAL	LAKE WALES	1	K1523	7.0
SOUTH CENTRAL	LAKE WALES	1	K1524	5.9
SOUTH CENTRAL	LAKE WALES	2	K1526	13.2
SOUTH CENTRAL	LAKE WALES	1	K1529	10.7
SOUTH CENTRAL	LAKE WALES	2	K0866	5.3
SOUTH CENTRAL	LAKE WALES	2	K0871	2.0

SOUTH CENTRAL	S. E. ORLANDO	1	W0105	3.7
SOUTH CENTRAL	S. E. ORLANDO	1	K0495	10.4
SOUTH CENTRAL	S. E. ORLANDO	2	K499	9.6
SOUTH CENTRAL	S. E. ORLANDO	3	K800	6.9
SOUTH CENTRAL	S. E. ORLANDO	1	W0493	8.9
SOUTH CENTRAL	S. E. ORLANDO	1	W0494	4.8
SOUTH CENTRAL	S. E. ORLANDO	2	W0496	4.9
SOUTH CENTRAL	S. E. ORLANDO	2	W0497	9.6
SOUTH CENTRAL	S. E. ORLANDO	2	W0498	4.8
SOUTH CENTRAL	S. E. ORLANDO	3	W0500	8.5
SOUTH CENTRAL	S. E. ORLANDO	3	W0501	6.3
SOUTH CENTRAL	S. E. ORLANDO	1	K2476	10.3
SOUTH CENTRAL	S. E. ORLANDO	1	K2477	4.3
SOUTH CENTRAL	S. E. ORLANDO	2	W0404	7.7
SOUTH CENTRAL	S. E. ORLANDO	2	W0405	8.0
SOUTH CENTRAL	S. E. ORLANDO	1	W0407	6.2
SOUTH CENTRAL	S. E. ORLANDO	1	W0408	9.4
SOUTH CENTRAL	S. E. ORLANDO	1	W0595	4.4
SOUTH CENTRAL	S. E. ORLANDO	1	W0597	9.9
SOUTH CENTRAL	S. E. ORLANDO	1	W0601	9.2
SOUTH CENTRAL	S. E. ORLANDO	2	W596	10.7
SOUTH CENTRAL	S. E. ORLANDO	2	W598	10.0
SOUTH CENTRAL	S. E. ORLANDO	2	W0629	8.0
SOUTH CENTRAL	S. E. ORLANDO	1	W0630	5.5
SOUTH CENTRAL	S. E. ORLANDO	2	W0502	13.5
SOUTH CENTRAL	S. E. ORLANDO	2	W0503	9.7
SOUTH CENTRAL	S. E. ORLANDO	1	W0504	10.3
SOUTH CENTRAL	S. E. ORLANDO	1	W0505	4.8
SOUTH CENTRAL	S. E. ORLANDO	1	K1060	9.4
SOUTH CENTRAL	S. E. ORLANDO	1	K1061	9.4
SOUTH CENTRAL	S. E. ORLANDO	2	K1063	9.8
SOUTH CENTRAL	S. E. ORLANDO	2	K1775	9.3
SOUTH CENTRAL	S. E. ORLANDO	3	K1777	8.8
SOUTH CENTRAL	S. E. ORLANDO	2	K1778	8.2
SOUTH CENTRAL	S. E. ORLANDO	3	K1780	8.0
SOUTH CENTRAL	S. E. ORLANDO	2	K1781	8.1
SOUTH CENTRAL	S. E. ORLANDO	1	K1783	6.7
SOUTH CENTRAL	S. E. ORLANDO	1	K1789	6.8
SOUTH CENTRAL	S. E. ORLANDO	1	W0212	9.3
SOUTH CENTRAL	S. E. ORLANDO	1	W0213	8.2
SOUTH CENTRAL	S. E. ORLANDO	1	W0214	6.3
SOUTH CENTRAL	S. E. ORLANDO	2	W0215	6.7
SOUTH CENTRAL	S. E. ORLANDO	2	W0216	11.6
SOUTH CENTRAL	S. E. ORLANDO	2	W0217	8.5
SOUTH CENTRAL	S. E. ORLANDO	3	W0219	10.8
SOUTH CENTRAL	S. E. ORLANDO	3	W0220	7.6

SOUTH CENTRAL	S. E. ORLANDO	2	K0396	9.2
SOUTH CENTRAL	S. E. ORLANDO	1	W0391	7.7
SOUTH CENTRAL	S. E. ORLANDO	1	W0392	10.9
SOUTH CENTRAL	S. E. ORLANDO	2	W0395	10.8
SOUTH CENTRAL	S. E. ORLANDO	1	W0968	9.7
SOUTH CENTRAL	S. E. ORLANDO	1	W0969	10.4
SOUTH CENTRAL	S. E. ORLANDO	1	W0970	11.9
SOUTH CENTRAL	S. E. ORLANDO	4	W0971	4.4
SOUTH CENTRAL	S. E. ORLANDO	4	W0972	10.7
SOUTH CENTRAL	S. E. ORLANDO	4	W0973	8.5
SOUTH CENTRAL	S. E. ORLANDO	4	W0974	12.0
SOUTH CENTRAL	S. E. ORLANDO	1	W0975	9.6
SOUTH CENTRAL	S. E. ORLANDO	1	W0362	1.7
SOUTH CENTRAL	S. E. ORLANDO	1	W0363	10.5
SOUTH CENTRAL	S. E. ORLANDO	1	W0364	8.8
SOUTH CENTRAL	S. E. ORLANDO	2	W0365	12.3
SOUTH CENTRAL	S. E. ORLANDO	2	W0366	7.1
SOUTH CENTRAL	S. E. ORLANDO	3	W0367	8.8
SOUTH CENTRAL	S. E. ORLANDO	3	W0368	10.4
SOUTH CENTRAL	S. E. ORLANDO	3	W0369	9.6
SOUTH CENTRAL	S. E. ORLANDO	2	K1023	6.3
SOUTH CENTRAL	S. E. ORLANDO	2	K1024	11.2
SOUTH CENTRAL	S. E. ORLANDO	2	K1025	11.0
SOUTH CENTRAL	S. E. ORLANDO	1	K1026	8.3
SOUTH CENTRAL	S. E. ORLANDO	1	K1027	4.0
SOUTH CENTRAL	S. E. ORLANDO	1	K1028	7.5
SOUTH CENTRAL	S. E. ORLANDO	1	W1197	1.7
SOUTH CENTRAL	S. E. ORLANDO	1	W1198	1.1
SOUTH CENTRAL	WINTER GARDEN	4	K37	7.5
SOUTH CENTRAL	WINTER GARDEN	4	K38	9.2
SOUTH CENTRAL	WINTER GARDEN	1	M0337	8.9
SOUTH CENTRAL	WINTER GARDEN	2	M0339	3.2
SOUTH CENTRAL	WINTER GARDEN	2	M0340	5.8
SOUTH CENTRAL	WINTER GARDEN	3	M0342	8.1
SOUTH CENTRAL	WINTER GARDEN	1	M0343	8.4
SOUTH CENTRAL	WINTER GARDEN	2	M0345	8.6
SOUTH CENTRAL	WINTER GARDEN	2	M0346	10.8
SOUTH CENTRAL	WINTER GARDEN	3	M0348	6.3
SOUTH CENTRAL	WINTER GARDEN	3	M0351	6.9
SOUTH CENTRAL	WINTER GARDEN	1	K278	9.8
SOUTH CENTRAL	WINTER GARDEN	1	K279	9.1
SOUTH CENTRAL	WINTER GARDEN	2	K2244	9.3
SOUTH CENTRAL	WINTER GARDEN	3	K2246	8.8
SOUTH CENTRAL	WINTER GARDEN	2	K2247	7.8
SOUTH CENTRAL	WINTER GARDEN	3	K2249	6.8
SOUTH CENTRAL	WINTER GARDEN	1	K2250	9.4

SOUTH CENTRAL	WINTER GARDEN	2	K2252	5.0
SOUTH CENTRAL	WINTER GARDEN	3	K2253	8.5
SOUTH CENTRAL	WINTER GARDEN	1	K2255	10.0
SOUTH CENTRAL	WINTER GARDEN	1	K773	7.2
SOUTH CENTRAL	WINTER GARDEN	2	K779	10.4
SOUTH CENTRAL	WINTER GARDEN	3	K781	8.7
SOUTH CENTRAL	WINTER GARDEN	3	K782	11.9
SOUTH CENTRAL	WINTER GARDEN	2	K784	3.3
SOUTH CENTRAL	WINTER GARDEN	1	K789	10.4
SOUTH CENTRAL	WINTER GARDEN	2	K792	10.6
SOUTH CENTRAL	WINTER GARDEN	1	K3282	10.6
SOUTH CENTRAL	WINTER GARDEN	2	K3283	10.9
SOUTH CENTRAL	WINTER GARDEN	1	K3284	11.5
SOUTH CENTRAL	WINTER GARDEN	2	K3285	11.1
SOUTH CENTRAL	WINTER GARDEN	2	K3286	11.3
SOUTH CENTRAL	WINTER GARDEN	1	K3287	7.9
SOUTH CENTRAL	WINTER GARDEN	3	M1086	6.5
SOUTH CENTRAL	WINTER GARDEN	3	M1087	7.5
SOUTH CENTRAL	WINTER GARDEN	3	M1088	6.3
SOUTH CENTRAL	WINTER GARDEN	1	M1090	9.5
SOUTH CENTRAL	WINTER GARDEN	1	M1091	5.4
SOUTH CENTRAL	WINTER GARDEN	1	M1092	8.7
SOUTH CENTRAL	WINTER GARDEN	2	M1094	8.5
SOUTH CENTRAL	WINTER GARDEN	2	M1095	5.4
SOUTH CENTRAL	WINTER GARDEN	2	M1096	9.9
SOUTH CENTRAL	WINTER GARDEN	3	K302	6.9
SOUTH CENTRAL	WINTER GARDEN	1	K303	8.6
SOUTH CENTRAL	WINTER GARDEN	1	K304	7.0
SOUTH CENTRAL	WINTER GARDEN	2	K201	11.6
SOUTH CENTRAL	WINTER GARDEN	2	K202	9.8
SOUTH CENTRAL	WINTER GARDEN	2	K203	7.4
SOUTH CENTRAL	WINTER GARDEN	1	K204	10.8
SOUTH CENTRAL	WINTER GARDEN	1	K205	12.2
SOUTH CENTRAL	WINTER GARDEN	1	K206	10.8
SOUTH CENTRAL	WINTER GARDEN	1	K207	10.7
SOUTH CENTRAL	WINTER GARDEN	3	M0252	6.0
SOUTH CENTRAL	WINTER GARDEN	3	M0253	4.4
SOUTH CENTRAL	WINTER GARDEN	3	M0254	6.2
SOUTH CENTRAL	WINTER GARDEN	4	M0255	6.8
SOUTH CENTRAL	WINTER GARDEN	4	M0256	7.8
SOUTH COASTAL	CLEARWATER	1	C0651	10.6
SOUTH COASTAL	CLEARWATER	1	C0652	10.8
SOUTH COASTAL	CLEARWATER	1	C0653	9.2
SOUTH COASTAL	CLEARWATER	1	C0654	8.0
SOUTH COASTAL	CLEARWATER	2	C0655	9.3
SOUTH COASTAL	CLEARWATER	2	C0656	9.7

SOUTH COASTAL	CLEARWATER	2	C0657	10.7
SOUTH COASTAL	CLEARWATER	2	C0658	5.9
SOUTH COASTAL	CLEARWATER	1	C1002	11.4
SOUTH COASTAL	CLEARWATER	1	C1003	8.7
SOUTH COASTAL	CLEARWATER	1	C1004	2.2
SOUTH COASTAL	CLEARWATER	2	C1005	9.8
SOUTH COASTAL	CLEARWATER	2	C1007	7.3
SOUTH COASTAL	CLEARWATER	2	C1008	12.2
SOUTH COASTAL	CLEARWATER	1	J1001	8.7
SOUTH COASTAL	CLEARWATER	1	C0004	7.1
SOUTH COASTAL	CLEARWATER	1	C0005	11.8
SOUTH COASTAL	CLEARWATER	1	C0006	2.0
SOUTH COASTAL	CLEARWATER	1	C0007	5.2
SOUTH COASTAL	CLEARWATER	2	C0008	1.8
SOUTH COASTAL	CLEARWATER	2	C0009	2.5
SOUTH COASTAL	CLEARWATER	2	C0010	9.3
SOUTH COASTAL	CLEARWATER	2	C0011	9.5
SOUTH COASTAL	CLEARWATER	3	C0012	10.1
SOUTH COASTAL	CLEARWATER	3	C0013	3.6
SOUTH COASTAL	CLEARWATER	3	C0014	6.5
SOUTH COASTAL	CLEARWATER	3	C0015	6.4
SOUTH COASTAL	CLEARWATER	4	C0016	9.6
SOUTH COASTAL	CLEARWATER	4	C0017	10.0
SOUTH COASTAL	CLEARWATER	4	C0018	6.0
SOUTH COASTAL	CLEARWATER	4	C0019	5.0
SOUTH COASTAL	CLEARWATER	1	C0102	8.2
SOUTH COASTAL	CLEARWATER	1	C0103	9.0
SOUTH COASTAL	CLEARWATER	2	C0104	8.0
SOUTH COASTAL	CLEARWATER	2	C0106	5.6
SOUTH COASTAL	CLEARWATER	3	C0107	10.6
SOUTH COASTAL	CLEARWATER	3	C0108	8.0
SOUTH COASTAL	CLEARWATER	1	C0900	9.7
SOUTH COASTAL	CLEARWATER	1	C0901	6.0
SOUTH COASTAL	CLEARWATER	1	C0902	10.9
SOUTH COASTAL	CLEARWATER	1	C0903	6.6
SOUTH COASTAL	CLEARWATER	2	C0904	9.7
SOUTH COASTAL	CLEARWATER	2	C0905	7.6
SOUTH COASTAL	CLEARWATER	2	C0906	8.0
SOUTH COASTAL	CLEARWATER	2	C0907	10.5
SOUTH COASTAL	CLEARWATER	3	C0908	5.6
SOUTH COASTAL	CLEARWATER	3	C0909	8.5
SOUTH COASTAL	CLEARWATER	3	C0910	9.2
SOUTH COASTAL	CLEARWATER	3	C0911	7.3
SOUTH COASTAL	CLEARWATER	2	C2802	8.0
SOUTH COASTAL	CLEARWATER	2	C2803	6.9
SOUTH COASTAL	CLEARWATER	2	C2804	6.5

SOUTH COASTAL	CLEARWATER	1	C2805	7.9
SOUTH COASTAL	CLEARWATER	1	C2806	10.0
SOUTH COASTAL	CLEARWATER	1	C2807	7.8
SOUTH COASTAL	CLEARWATER	2	C2808	8.1
SOUTH COASTAL	CLEARWATER	1	J0402	4.4
SOUTH COASTAL	CLEARWATER	1	J0403	9.5
SOUTH COASTAL	CLEARWATER	1	J0404	8.3
SOUTH COASTAL	CLEARWATER	1	J0405	6.5
SOUTH COASTAL	CLEARWATER	2	J0406	7.0
SOUTH COASTAL	CLEARWATER	2	J0407	10.7
SOUTH COASTAL	CLEARWATER	2	J0408	5.6
SOUTH COASTAL	CLEARWATER	2	J0409	6.9
SOUTH COASTAL	CLEARWATER	2	C0604	1.7
SOUTH COASTAL	CLEARWATER	1	C3518	6.2
SOUTH COASTAL	CLEARWATER	2	C3521	8.5
SOUTH COASTAL	CLEARWATER	2	C3523	6.8
SOUTH COASTAL	CLEARWATER	2	C3524	9.2
SOUTH COASTAL	CLEARWATER	1	C3525	8.5
SOUTH COASTAL	CLEARWATER	1	C3527	9.5
SOUTH COASTAL	CLEARWATER	1	C3528	8.3
SOUTH COASTAL	SEVEN SPRINGS	1	C5000	7.2
SOUTH COASTAL	SEVEN SPRINGS	1	C5001	5.1
SOUTH COASTAL	SEVEN SPRINGS	1	C5003	7.3
SOUTH COASTAL	SEVEN SPRINGS	2	C5008	8.0
SOUTH COASTAL	SEVEN SPRINGS	2	C5009	8.8
SOUTH COASTAL	SEVEN SPRINGS	3	C5010	4.8
SOUTH COASTAL	SEVEN SPRINGS	3	C5011	5.6
SOUTH COASTAL	SEVEN SPRINGS	3	C5012	10.8
SOUTH COASTAL	SEVEN SPRINGS	2	C5013	7.3
SOUTH COASTAL	SEVEN SPRINGS	8	C4201	9.4
SOUTH COASTAL	SEVEN SPRINGS	8	C4202	9.2
SOUTH COASTAL	SEVEN SPRINGS	8	C4203	9.3
SOUTH COASTAL	SEVEN SPRINGS	8	C4204	7.6
SOUTH COASTAL	SEVEN SPRINGS	7	C4206	8.8
SOUTH COASTAL	SEVEN SPRINGS	7	C4207	7.2
SOUTH COASTAL	SEVEN SPRINGS	7	C4208	8.0
SOUTH COASTAL	SEVEN SPRINGS	1	C5400	6.2
SOUTH COASTAL	SEVEN SPRINGS	1	C5401	3.5
SOUTH COASTAL	SEVEN SPRINGS	1	C5402	7.1
SOUTH COASTAL	SEVEN SPRINGS	2	C5404	10.2
SOUTH COASTAL	SEVEN SPRINGS	2	C5405	10.6
SOUTH COASTAL	SEVEN SPRINGS	2	C5406	8.3
SOUTH COASTAL	SEVEN SPRINGS	3	C4972	7.4
SOUTH COASTAL	SEVEN SPRINGS	3	C4973	7.9
SOUTH COASTAL	SEVEN SPRINGS	2	C4976	10.0
SOUTH COASTAL	SEVEN SPRINGS	2	C4985	5.0

SOUTH COASTAL	SEVEN SPRINGS	2	C4986	8.1
SOUTH COASTAL	SEVEN SPRINGS	3	C4987	6.8
SOUTH COASTAL	SEVEN SPRINGS	3	C4988	8.5
SOUTH COASTAL	SEVEN SPRINGS	1	C4989	8.2
SOUTH COASTAL	SEVEN SPRINGS	1	C4990	9.5
SOUTH COASTAL	SEVEN SPRINGS	1	C4991	13.3
SOUTH COASTAL	SEVEN SPRINGS	1	C0151	8.1
SOUTH COASTAL	SEVEN SPRINGS	3	C0156	8.3
SOUTH COASTAL	SEVEN SPRINGS	3	C0157	10.5
SOUTH COASTAL	SEVEN SPRINGS	1	C0158	12.0
SOUTH COASTAL	SEVEN SPRINGS	2	C0950	7.5
SOUTH COASTAL	SEVEN SPRINGS	2	C0951	7.2
SOUTH COASTAL	SEVEN SPRINGS	2	C0952	7.9
SOUTH COASTAL	SEVEN SPRINGS	2	C0953	7.0
SOUTH COASTAL	SEVEN SPRINGS	1	C0954	4.6
SOUTH COASTAL	SEVEN SPRINGS	1	C0955	9.9
SOUTH COASTAL	SEVEN SPRINGS	1	C0956	9.8
SOUTH COASTAL	SEVEN SPRINGS	1	C0957	9.4
SOUTH COASTAL	SEVEN SPRINGS	1	C4000	8.3
SOUTH COASTAL	SEVEN SPRINGS	1	C4001	7.9
SOUTH COASTAL	SEVEN SPRINGS	1	C4002	10.3
SOUTH COASTAL	SEVEN SPRINGS	1	C4003	8.2
SOUTH COASTAL	SEVEN SPRINGS	2	C4006	10.2
SOUTH COASTAL	SEVEN SPRINGS	2	C4007	11.3
SOUTH COASTAL	SEVEN SPRINGS	2	C4008	7.3
SOUTH COASTAL	SEVEN SPRINGS	2	C4009	8.8
SOUTH COASTAL	SEVEN SPRINGS	1	C0140	5.0
SOUTH COASTAL	SEVEN SPRINGS	1	C0141	8.2
SOUTH COASTAL	SEVEN SPRINGS	1	C0143	9.5
SOUTH COASTAL	SEVEN SPRINGS	1	C0144	10.0
SOUTH COASTAL	SEVEN SPRINGS	2	C0145	6.8
SOUTH COASTAL	SEVEN SPRINGS	2	C0148	9.4
SOUTH COASTAL	SEVEN SPRINGS	2	C0052	8.7
SOUTH COASTAL	SEVEN SPRINGS	2	C0053	9.6
SOUTH COASTAL	SEVEN SPRINGS	2	C0054	7.0
SOUTH COASTAL	SEVEN SPRINGS	1	C0055	10.6
SOUTH COASTAL	SEVEN SPRINGS	1	C0056	5.9
SOUTH COASTAL	SEVEN SPRINGS	1	C0057	6.0
SOUTH COASTAL	SEVEN SPRINGS	2	C0059	1.8
SOUTH COASTAL	SEVEN SPRINGS	1	C0441	7.5
SOUTH COASTAL	SEVEN SPRINGS	1	C0442	7.0
SOUTH COASTAL	SEVEN SPRINGS	2	C0443	9.9
SOUTH COASTAL	SEVEN SPRINGS	2	C0444	7.0
SOUTH COASTAL	SEVEN SPRINGS	1	C4318	9.1
SOUTH COASTAL	SEVEN SPRINGS	2	C4320	10.7
SOUTH COASTAL	SEVEN SPRINGS	1	C4322	11.7

SOUTH COASTAL	SEVEN SPRINGS	2	C4323	10.7
SOUTH COASTAL	SEVEN SPRINGS	2	C4328	9.0
SOUTH COASTAL	SEVEN SPRINGS	1	C4329	11.6
SOUTH COASTAL	SEVEN SPRINGS	1	C0752	7.8
SOUTH COASTAL	SEVEN SPRINGS	1	C0753	7.8
SOUTH COASTAL	SEVEN SPRINGS	2	C0755	9.2
SOUTH COASTAL	SEVEN SPRINGS	2	C0756	7.3
SOUTH COASTAL	SEVEN SPRINGS	2	C0757	9.5
SOUTH COASTAL	SEVEN SPRINGS	1	C801	1.6
SOUTH COASTAL	SEVEN SPRINGS	1	C802	0.7
SOUTH COASTAL	SEVEN SPRINGS	2	C0202	9.3
SOUTH COASTAL	SEVEN SPRINGS	2	C0203	8.0
SOUTH COASTAL	SEVEN SPRINGS	1	C0205	4.8
SOUTH COASTAL	SEVEN SPRINGS	1	C0206	9.8
SOUTH COASTAL	SEVEN SPRINGS	1	C0207	6.4
SOUTH COASTAL	SEVEN SPRINGS	3	C0208	7.6
SOUTH COASTAL	SEVEN SPRINGS	3	C0209	9.2
SOUTH COASTAL	SEVEN SPRINGS	3	C0210	8.4
SOUTH COASTAL	SEVEN SPRINGS	4	C4500	6.7
SOUTH COASTAL	SEVEN SPRINGS	4	C4501	9.5
SOUTH COASTAL	SEVEN SPRINGS	6	C4502	7.0
SOUTH COASTAL	SEVEN SPRINGS	5	C4507	7.5
SOUTH COASTAL	SEVEN SPRINGS	5	C4508	8.8
SOUTH COASTAL	SEVEN SPRINGS	5	C4509	9.4
SOUTH COASTAL	SEVEN SPRINGS	4	C4510	6.9
SOUTH COASTAL	SEVEN SPRINGS	6	C4512	8.1
SOUTH COASTAL	SEVEN SPRINGS	2	C0301	6.8
SOUTH COASTAL	SEVEN SPRINGS	2	C0302	8.6
SOUTH COASTAL	SEVEN SPRINGS	2	C0303	9.4
SOUTH COASTAL	SEVEN SPRINGS	1	C0304	10.5
SOUTH COASTAL	SEVEN SPRINGS	2	C0305	9.7
SOUTH COASTAL	SEVEN SPRINGS	1	C0306	7.8
SOUTH COASTAL	SEVEN SPRINGS	1	C0307	11.2
SOUTH COASTAL	SEVEN SPRINGS	1	C0308	7.7
SOUTH COASTAL	ST. PETERSBURG	1	X0016	9.4
SOUTH COASTAL	ST. PETERSBURG	2	X0018	8.6
SOUTH COASTAL	ST. PETERSBURG	2	X0074	1.8
SOUTH COASTAL	ST. PETERSBURG	3	X0019	8.2
SOUTH COASTAL	ST. PETERSBURG	1	X0009	7.6
SOUTH COASTAL	ST. PETERSBURG	1	X0021	7.6
SOUTH COASTAL	ST. PETERSBURG	1	X0077	3.7
SOUTH COASTAL	ST. PETERSBURG	1	X0076	3.8
SOUTH COASTAL	ST. PETERSBURG	2	X0075	4.2
SOUTH COASTAL	ST. PETERSBURG	1	X0079	4.3
SOUTH COASTAL	ST. PETERSBURG	2	X0020	5.7
SOUTH COASTAL	ST. PETERSBURG	2	X0096	9.3

SOUTH COASTAL	ST. PETERSBURG	2	X0097	10.8
SOUTH COASTAL	ST. PETERSBURG	2	X0099	11.1
SOUTH COASTAL	ST. PETERSBURG	2	X0100	2.8
SOUTH COASTAL	ST. PETERSBURG	1	X0262	7.2
SOUTH COASTAL	ST. PETERSBURG	2	X0263	1.1
SOUTH COASTAL	ST. PETERSBURG	1	X0264	7.3
SOUTH COASTAL	ST. PETERSBURG	2	X0265	4.7
SOUTH COASTAL	ST. PETERSBURG	1	X0266	1.4
SOUTH COASTAL	ST. PETERSBURG	2	X0267	7.8
SOUTH COASTAL	ST. PETERSBURG	1	X0268	7.8
SOUTH COASTAL	ST. PETERSBURG	1	X0132	8.0
SOUTH COASTAL	ST. PETERSBURG	1	X0133	4.0
SOUTH COASTAL	ST. PETERSBURG	1	X0134	6.9
SOUTH COASTAL	ST. PETERSBURG	2	X0135	8.8
SOUTH COASTAL	ST. PETERSBURG	2	X0136	2.2
SOUTH COASTAL	ST. PETERSBURG	2	X0137	2.8
SOUTH COASTAL	ST. PETERSBURG	2	X0138	5.5
SOUTH COASTAL	ST. PETERSBURG	2	X0101	6.0
SOUTH COASTAL	ST. PETERSBURG	1	X0102	9.4
SOUTH COASTAL	ST. PETERSBURG	2	X0103	9.8
SOUTH COASTAL	ST. PETERSBURG	1	X0104	5.0
SOUTH COASTAL	ST. PETERSBURG	2	X0105	8.0
SOUTH COASTAL	ST. PETERSBURG	1	X0106	3.7
SOUTH COASTAL	ST. PETERSBURG	2	X0107	7.4
SOUTH COASTAL	ST. PETERSBURG	1	X0108	6.0
SOUTH COASTAL	ST. PETERSBURG	1	X0081	4.5
SOUTH COASTAL	ST. PETERSBURG	1	X0082	8.1
SOUTH COASTAL	ST. PETERSBURG	2	X0083	7.6
SOUTH COASTAL	ST. PETERSBURG	2	X0084	7.8
SOUTH COASTAL	ST. PETERSBURG	2	X0085	6.0
SOUTH COASTAL	ST. PETERSBURG	3	X0140	9.7
SOUTH COASTAL	ST. PETERSBURG	3	X0141	8.9
SOUTH COASTAL	ST. PETERSBURG	3	X0142	9.4
SOUTH COASTAL	ST. PETERSBURG	1	X0143	10.7
SOUTH COASTAL	ST. PETERSBURG	1	X0144	0.7
SOUTH COASTAL	ST. PETERSBURG	1	X0146	8.4
SOUTH COASTAL	ST. PETERSBURG	1	X0147	10.0
SOUTH COASTAL	ST. PETERSBURG	2	X0149	9.2
SOUTH COASTAL	ST. PETERSBURG	2	X0150	8.0
SOUTH COASTAL	ST. PETERSBURG	2	X0151	10.7
SOUTH COASTAL	ST. PETERSBURG	2	X0152	0.7
SOUTH COASTAL	ST. PETERSBURG	1	X0282	6.9
SOUTH COASTAL	ST. PETERSBURG	1	X0283	5.9
SOUTH COASTAL	ST. PETERSBURG	1	X0284	8.1
SOUTH COASTAL	ST. PETERSBURG	1	X0285	7.8
SOUTH COASTAL	ST. PETERSBURG	1	X0286	12.1

SOUTH COASTAL	ST. PETERSBURG	2	X0287	10.7
SOUTH COASTAL	ST. PETERSBURG	2	X0288	8.4
SOUTH COASTAL	ST. PETERSBURG	2	X0289	8.2
SOUTH COASTAL	ST. PETERSBURG	2	X0290	6.3
SOUTH COASTAL	ST. PETERSBURG	2	X0291	3.1
SOUTH COASTAL	ST. PETERSBURG	2	X0211	10.6
SOUTH COASTAL	ST. PETERSBURG	2	X0212	5.7
SOUTH COASTAL	ST. PETERSBURG	2	X0213	5.9
SOUTH COASTAL	ST. PETERSBURG	2	X0214	6.6
SOUTH COASTAL	ST. PETERSBURG	2	X0215	6.8
SOUTH COASTAL	ST. PETERSBURG	1	X0216	5.1
SOUTH COASTAL	ST. PETERSBURG	1	X0217	3.8
SOUTH COASTAL	ST. PETERSBURG	1	X0219	8.0
SOUTH COASTAL	ST. PETERSBURG	1	X0220	7.3
SOUTH COASTAL	ST. PETERSBURG	1	X0252	3.6
SOUTH COASTAL	ST. PETERSBURG	1	X0253	2.1
SOUTH COASTAL	ST. PETERSBURG	1	X0254	9.2
SOUTH COASTAL	ST. PETERSBURG	1	X0255	10.3
SOUTH COASTAL	ST. PETERSBURG	2	X0256	1.1
SOUTH COASTAL	ST. PETERSBURG	2	X0257	10.3
SOUTH COASTAL	ST. PETERSBURG	2	X0258	8.9
SOUTH COASTAL	ST. PETERSBURG	2	X0259	10.9
SOUTH COASTAL	ST. PETERSBURG	2	X0015	4.9
SOUTH COASTAL	ST. PETERSBURG	1	X0080	6.8
SOUTH COASTAL	ST. PETERSBURG	3	X0013	3.5
SOUTH COASTAL	ST. PETERSBURG	3	X0010	3.2
SOUTH COASTAL	ST. PETERSBURG	1	X0031	7.2
SOUTH COASTAL	ST. PETERSBURG	2	X0032	6.8
SOUTH COASTAL	ST. PETERSBURG	3	X0017	3.0
SOUTH COASTAL	ST. PETERSBURG	1	X0033	6.2
SOUTH COASTAL	ST. PETERSBURG	2	X0034	5.4
SOUTH COASTAL	ST. PETERSBURG	1	X0035	5.3
SOUTH COASTAL	ST. PETERSBURG	1	X0022	10.1
SOUTH COASTAL	ST. PETERSBURG	1	X0023	3.7
SOUTH COASTAL	ST. PETERSBURG	1	X0024	5.0
SOUTH COASTAL	ST. PETERSBURG	1	X0025	7.1
SOUTH COASTAL	ST. PETERSBURG	2	X0026	9.7
SOUTH COASTAL	ST. PETERSBURG	2	X0027	10.6
SOUTH COASTAL	ST. PETERSBURG	2	X0028	7.8
SOUTH COASTAL	ST. PETERSBURG	3	X0029	7.4
SOUTH COASTAL	ST. PETERSBURG	3	X0030	11.4
SOUTH COASTAL	ST. PETERSBURG	3	X0037	8.9
SOUTH COASTAL	ST. PETERSBURG	2	X0036	5.2
SOUTH COASTAL	ST. PETERSBURG	2	X0042	4.4
SOUTH COASTAL	ST. PETERSBURG	1	X0043	4.3
SOUTH COASTAL	ST. PETERSBURG	1	X0045	4.2

SOUTH COASTAL	ST. PETERSBURG	2	X0046	3.8
SOUTH COASTAL	ST. PETERSBURG	2	X0072	9.4
SOUTH COASTAL	ST. PETERSBURG	1	X0070	9.8
SOUTH COASTAL	ST. PETERSBURG	2	X0071	10.5
SOUTH COASTAL	ST. PETERSBURG	1	X0078	11.0
SOUTH COASTAL	WALSINGHAM	3	J0140	6.2
SOUTH COASTAL	WALSINGHAM	3	J0141	11.1
SOUTH COASTAL	WALSINGHAM	1	J0142	7.6
SOUTH COASTAL	WALSINGHAM	1	J0143	11.1
SOUTH COASTAL	WALSINGHAM	1	J0144	1.8
SOUTH COASTAL	WALSINGHAM	1	J0145	9.0
SOUTH COASTAL	WALSINGHAM	2	J0146	9.1
SOUTH COASTAL	WALSINGHAM	2	J0147	10.8
SOUTH COASTAL	WALSINGHAM	2	J0148	10.3
SOUTH COASTAL	WALSINGHAM	3	J0150	10.0
SOUTH COASTAL	WALSINGHAM	1	X0060	10.7
SOUTH COASTAL	WALSINGHAM	1	X0061	4.2
SOUTH COASTAL	WALSINGHAM	1	X0062	10.6
SOUTH COASTAL	WALSINGHAM	1	X0063	10.5
SOUTH COASTAL	WALSINGHAM	2	X0064	8.8
SOUTH COASTAL	WALSINGHAM	2	X0065	2.7
SOUTH COASTAL	WALSINGHAM	2	X0066	11.0
SOUTH COASTAL	WALSINGHAM	2	X0067	8.2
SOUTH COASTAL	WALSINGHAM	1	J0231	2.2
SOUTH COASTAL	WALSINGHAM	2	J0234	2.0
SOUTH COASTAL	WALSINGHAM	2	J0235	1.0
SOUTH COASTAL	WALSINGHAM	1	X0111	8.2
SOUTH COASTAL	WALSINGHAM	1	X0112	7.2
SOUTH COASTAL	WALSINGHAM	1	X0113	8.6
SOUTH COASTAL	WALSINGHAM	1	X0114	3.3
SOUTH COASTAL	WALSINGHAM	2	X0118	7.4
SOUTH COASTAL	WALSINGHAM	2	X0119	7.8
SOUTH COASTAL	WALSINGHAM	2	X0120	8.4
SOUTH COASTAL	WALSINGHAM	3	X0121	10.0
SOUTH COASTAL	WALSINGHAM	3	X0122	3.4
SOUTH COASTAL	WALSINGHAM	3	X0123	5.4
SOUTH COASTAL	WALSINGHAM	3	X0125	5.6
SOUTH COASTAL	WALSINGHAM	1	X0050	9.2
SOUTH COASTAL	WALSINGHAM	1	X0051	8.4
SOUTH COASTAL	WALSINGHAM	1	X0052	0.4
SOUTH COASTAL	WALSINGHAM	1	X0053	8.6
SOUTH COASTAL	WALSINGHAM	2	X0054	0.4
SOUTH COASTAL	WALSINGHAM	2	X0055	4.8
SOUTH COASTAL	WALSINGHAM	2	X0056	8.1
SOUTH COASTAL	WALSINGHAM	2	X0057	9.6
SOUTH COASTAL	WALSINGHAM	1	J0221	8.0

SOUTH COASTAL	WALSINGHAM	3	J0223	8.7
SOUTH COASTAL	WALSINGHAM	3	J0224	9.0
SOUTH COASTAL	WALSINGHAM	2	J0226	4.9
SOUTH COASTAL	WALSINGHAM	2	J0227	8.7
SOUTH COASTAL	WALSINGHAM	1	J0228	9.7
SOUTH COASTAL	WALSINGHAM	1	J0229	8.4
SOUTH COASTAL	WALSINGHAM	3	J0230	10.6
SOUTH COASTAL	WALSINGHAM	2	J0889	8.2
SOUTH COASTAL	WALSINGHAM	2	J0890	10.0
SOUTH COASTAL	WALSINGHAM	2	J0891	5.5
SOUTH COASTAL	WALSINGHAM	1	J0892	10.4
SOUTH COASTAL	WALSINGHAM	1	J0893	6.3
SOUTH COASTAL	WALSINGHAM	1	J0894	9.3
SOUTH COASTAL	WALSINGHAM	1	J0895	11.0
SOUTH COASTAL	WALSINGHAM	2	J888	6.0
SOUTH COASTAL	WALSINGHAM	1	J0112	7.5
SOUTH COASTAL	WALSINGHAM	1	J0113	6.0
SOUTH COASTAL	WALSINGHAM	1	J0114	7.9
SOUTH COASTAL	WALSINGHAM	2	J0115	9.8
SOUTH COASTAL	WALSINGHAM	2	J0116	9.6
SOUTH COASTAL	WALSINGHAM	2	J0117	5.0
SOUTH COASTAL	WALSINGHAM	2	J0118	9.0
SOUTH COASTAL	WALSINGHAM	2	J2901	5.8
SOUTH COASTAL	WALSINGHAM	2	J2902	5.7
SOUTH COASTAL	WALSINGHAM	2	J2903	8.9
SOUTH COASTAL	WALSINGHAM	2	J2904	8.8
SOUTH COASTAL	WALSINGHAM	1	J2905	8.6
SOUTH COASTAL	WALSINGHAM	1	J2906	8.5
SOUTH COASTAL	WALSINGHAM	1	J2907	10.1
SOUTH COASTAL	WALSINGHAM	3	J5030	7.1
SOUTH COASTAL	WALSINGHAM	3	J5032	9.0
SOUTH COASTAL	WALSINGHAM	2	J5034	9.0
SOUTH COASTAL	WALSINGHAM	2	J5036	8.0
SOUTH COASTAL	WALSINGHAM	2	J5038	7.8
SOUTH COASTAL	WALSINGHAM	3	J5040	8.2
SOUTH COASTAL	WALSINGHAM	1	J0240	8.0
SOUTH COASTAL	WALSINGHAM	1	J0241	4.7
SOUTH COASTAL	WALSINGHAM	1	J0242	11.8
SOUTH COASTAL	WALSINGHAM	1	J0243	8.8
SOUTH COASTAL	WALSINGHAM	2	J0244	5.8
SOUTH COASTAL	WALSINGHAM	2	J0245	4.8
SOUTH COASTAL	WALSINGHAM	2	J0246	4.8
SOUTH COASTAL	WALSINGHAM	2	J0247	3.4
SOUTH COASTAL	WALSINGHAM	1	J0248	8.9
SOUTH COASTAL	WALSINGHAM	1	J0680	7.0
SOUTH COASTAL	WALSINGHAM	1	J0682	10.2

SOUTH COASTAL	WALSINGHAM	1	J0684	9.3
SOUTH COASTAL	WALSINGHAM	2	J0689	4.9
SOUTH COASTAL	WALSINGHAM	2	J0690	7.9
SOUTH COASTAL	WALSINGHAM	2	J0691	7.0
SOUTH COASTAL	WALSINGHAM	2	J0692	6.2
SOUTH COASTAL	WALSINGHAM	2	J0551	11.4
SOUTH COASTAL	WALSINGHAM	2	J0552	9.6
SOUTH COASTAL	WALSINGHAM	2	J0553	7.1
SOUTH COASTAL	WALSINGHAM	2	J0554	9.3
SOUTH COASTAL	WALSINGHAM	1	J0555	8.4
SOUTH COASTAL	WALSINGHAM	1	J0556	8.8
SOUTH COASTAL	WALSINGHAM	1	J0557	11.0
SOUTH COASTAL	WALSINGHAM	1	J0558	7.7
SOUTH COASTAL	ZEPHYRHILLS	2	C0851	10.6
SOUTH COASTAL	ZEPHYRHILLS	2	C0852	8.8
SOUTH COASTAL	ZEPHYRHILLS	2	C0853	5.0
SOUTH COASTAL	ZEPHYRHILLS	1	C0854	5.1
SOUTH COASTAL	ZEPHYRHILLS	1	C0855	9.1
SOUTH COASTAL	ZEPHYRHILLS	1	C0856	10.2
SOUTH COASTAL	ZEPHYRHILLS	1	C0857	4.8
SOUTH COASTAL	ZEPHYRHILLS	2	C0340	9.8
SOUTH COASTAL	ZEPHYRHILLS	2	C0341	8.2
SOUTH COASTAL	ZEPHYRHILLS	1	C0342	7.9
SOUTH COASTAL	ZEPHYRHILLS	1	C0343	11.0
SOUTH COASTAL	ZEPHYRHILLS	1	C0344	8.5
SOUTH COASTAL	ZEPHYRHILLS	2	C0345	4.4

ATTACHMENT G

2022 FEEDER SPECIFIC DATA

PROVIDED ON CD

ATTACHMENT H

FPSC Formal (15 day/logged) complaints																									
Complaint Category														**2022 Month End Total**											**2022 YR End**
	2011	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**2020**	**2021**	**2022**		**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		0	0	0	1	0	0	0	1	1	0	0	0	3
Outages - Frequent	21	29	35	53	38	39	35	77	47	35	22	25		2	1	0	2	2	4	1	3	4	2	0	4	25
Outages - Extended	12	2	2	5	5	2	23	10	13	7	2	8		0	0	0	0	1	1	1	0	2	1	0	2	8
Voltage	4	0	3	2	3	5	2	3	7	10	2	3		1	0	0	0	0	1	0	0	0	1	0	0	3
Equipment/Facilities	12	9	6	5	4	4	10	16	13	12	18	7		0	0	0	0	1	3	0	1	1	0	1	0	7
Tree Trimming	11	8	9	9	6	6	6	6	8	7	3	7		2	0	0	0	2	0	0	1	2	0	0	0	7
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
Total	**79**	**58**	**84**	**90**	**68**	**64**	**82**	**120**	**95**	**86**	**58**	**53**		**5**	**1**	**0**	**3**	**6**	**9**	**2**	**6**	**10**	**4**	**1**	**6**	**53**

Received Jan 1 to Dec 31, 2022

59 Complaints

DEF logged as Power Quality & Reliability

Date Received	PSC Complaint #	DEF Category	PSC Ruling	PSC Closure Code
1/12/2022	1386807E	Outage	Non-Infraction	GI-15 Outages
1/18/2022	1387206E	Voltage Problems	Non-Infraction	GI-30 Quality of Service
1/20/2022	1387395E	Outage	Non-Infraction	GI-15 Outages
2/14/2022	1389994E	Outage	Non-Infraction	GI-15 Outages
2/18/2022	1390550E	Outage	Non-Infraction	GI-30 Quality of Service
3/11/2022	1392422E	Lighting	Non-Infraction	GI-05 High Bill
4/5/2022	186840	Outage	Non-Infraction	GI-15 Outages
4/7/2022	1394008E	Outage	Non-Infraction	GI-15 Outages
4/29/2022	1395098E	Outage	Non-Infraction	GI-18 Tree Trimming
5/5/2022	1395341E	Outage	Non-Infraction	GI-15 Outages
5/12/2022	1395762E	Equipment/Facilities Issues	Non-Infraction	GI-17 Safety Issues
5/20/2022	1396157E	Outage	Non-Infraction	GI-15 Outages
5/24/2022	1396354E	Outage	Non-Infraction	GI-15 Outages
6/1/2022	1396770E	Outage	Non-Infraction	GI-15 Outages
6/6/2022		Outage	Non-Infraction	GI-15 Outages
6/7/2022	1397079E	Outage	Non-Infraction	GI-15 Outages
6/8/2022	1396713E	Equipment/Facilities Issues	Non-Infraction	GI-11 Repair Service
6/9/2022	1397296E	Outage	Non-Infraction	GI-15 Outages
6/21/2022	1398190E	Lighting	Non-Infraction	GI-11 Repair Service
6/23/2022	1398341E	Equipment/Facilities Issues	Non-Infraction	GI-17 Safety Issues
6/27/2022	1398498E	Voltage Problems	Non-Infraction	GI-11 Repair Service
6/27/2022	1398512E	Equipment/Facilities Issues	Non-Infraction	GI-11 Repair Service
6/29/2022	1398699E	Outage	Non-Infraction	GI-15 Outages
7/6/2022	1399022E	Outage	Non-Infraction	GI-15 Outages
7/20/2022	1399983E	Outage	Non-Infraction	GI-15 Outages

Received Jan 1 to Dec 31, 2022

49 Complaints

PSC Service Reliability Only Closure Codes

Date Received	PSC Complaint #	DEF Category	PSC Closure Code
6/9/2022	1397274E	High Bills	GI-11 Repair Service
1/12/2022	1386807E	Outage	GI-15 Outages
1/20/2022	1387395E	Outage	GI-15 Outages
2/14/2022	1389994E	Outage	GI-15 Outages
4/5/2022	186840	Outage	GI-15 Outages
4/7/2022	1394008E	Outage	GI-15 Outages
4/29/2022	1395098E	Outage	GI-18 Tree Trimming
5/5/2022	1395341E	Outage	GI-15 Outages
5/12/2022	1395762E	Equipment/Facilities Issues	GI-17 Safety Issues
5/20/2022	1396157E	Outage	GI-15 Outages
5/24/2022	1396354E	Outage	GI-15 Outages
6/1/2022	1396770E	Outage	GI-15 Outages
6/6/2022		Outage	GI-15 Outages
6/7/2022	1397079E	Outage	GI-15 Outages
6/8/2022	1396713E	Equipment/Facilities Issues	GI-11 Repair Service
6/9/2022	1397296E	Outage	GI-15 Outages
6/21/2022	1398190E	Lighting	GI-11 Repair Service
6/23/2022	1398341E	Equipment/Facilities Issues	GI-17 Safety Issues
6/27/2022	1398498E	Voltage Problems	GI-11 Repair Service
6/27/2022	1398512E	Equipment/Facilities Issues	GI-11 Repair Service
6/29/2022	1398699E	Outage	GI-15 Outages
7/6/2022	1399022E	Outage	GI-15 Outages
7/20/2022	1399983E	Outage	GI-15 Outages
8/4/2022	1400995E	Outage	GI-15 Outages
8/5/2022	1401059E	Outage	GI-15 Outages

8/4/2022	1400995E	Outage	Non-Infraction	GI-15 Outages
8/5/2022	1401059E	Outage	Non-Infraction	GI-15 Outages
8/17/2022	1401815E	Outage	Non-Infraction	GI-15 Outages
8/18/2022	1401910E	Equipment/Facilities Issues	Non-Infraction	GI-11 Repair Service
8/25/2022		Outage	Non-Infraction	GI-15 Outages
8/29/2022	1402510E	Outage	Non-Infraction	GI-15 Outages
9/6/2022	1403124E	Outage	Non-Infraction	GI-15 Outages
9/6/2022	1403125E	Outage	Non-Infraction	GI-15 Outages
9/9/2022	1403509E	Outage	Non-Infraction	GI-15 Outages
9/12/2022	1403550E	Outage	Non-Infraction	GI-15 Outages
9/12/2022	1403621E	Outage		
9/19/2022	1404549E	Outage	Non-Infraction	GI-15 Outages
9/20/2022	1404694E	Outage		
9/22/2022	1405061E	Outage	Non-Infraction	GI-15 Outages
9/26/2022	1405434E	Equipment/Facilities Issues	Non-Infraction	GI-11 Repair Service
10/3/2022	1406069E	Outage	Non-Infraction	GI-15 Outages
10/17/2022	1407449E	Outage	Non-Infraction	GI-15 Outages
10/27/2022	1408536E	Outage	Non-Infraction	GI-15 Outages
10/28/2022	1408687E	Voltage Problems	Non-Infraction	GI-11 Repair Service
11/7/2022	1409384E	Equipment/Facilities Issues	Non-Infraction	GI-08 Rules & Tariffs
12/12/2022	1411646E	Lighting	Non-Infraction	GI-25 Improper Billing
12/19/2022	1412104E	Outage		
12/27/2022	1412621E	Outage		
12/27/2022	1412700E	Outage		
12/27/2022	1412745E	Outage		
12/27/2022	1412747E	Outage		
12/29/2022	1412874E	Outage		
1/10/2022	1386650E	Vegetation Management	Non-Infraction	GI-18 Tree Trimming
1/19/2022	1387277E	Vegetation Management Distribution	Non-Infraction	GI-30 Quality of Service
5/23/2022	1396235E	Vegetation Management	Non-Infraction	GI-30 Quality of Service
5/31/2022	1396671E	Vegetation Management Distribution	Non-Infraction	GI-18 Tree Trimming
8/24/2022	1402268E	Vegetation Management Distribution	Non-Infraction	GI-30 Quality of Service
9/19/2022	1404531E	Vegetation Management Distribution	Non-Infraction	GI-18 Tree Trimming

8/17/2022	1401815E	Outage	GI-15 Outages
8/18/2022	1401910E	Equipment/Facilities Issues	GI-11 Repair Service
8/25/2022		Outage	GI-15 Outages
8/29/2022	1402510E	Outage	GI-15 Outages
9/6/2022	1403124E	Outage	GI-15 Outages
9/6/2022	1403125E	Outage	GI-15 Outages
9/9/2022	1403509E	Outage	GI-15 Outages
9/12/2022	1403550E	Outage	GI-15 Outages
9/19/2022	1404549E	Outage	GI-15 Outages
9/22/2022	1405061E	Outage	GI-15 Outages
9/26/2022	1405434E	Equipment/Facilities Issues	GI-11 Repair Service
10/3/2022	1406069E	Outage	GI-15 Outages
10/17/2022	1407449E	Outage	GI-15 Outages
10/27/2022	1408536E	Outage	GI-15 Outages
10/28/2022	1408687E	Voltage Problems	GI-11 Repair Service
1/10/2022	1386650E	Vegetation Management Distribution	GI-18 Tree Trimming
1/25/2022	1387831E	Right of way/Easement	GI-11 Repair Service
4/4/2022	1393749E	Orders	GI-11 Repair Service
5/31/2022	1396671E	Vegetation Management Distribution	GI-18 Tree Trimming
9/19/2022	1404531E	Vegetation Management Distribution	GI-18 Tree Trimming
9/21/2022	1404911E	Non-Regulated Products and Services	GI-17 Safety Issues
9/23/2022	1405346E	Vegetation Management Distribution	GI-17 Safety Issues
10/12/2022	1407087E	Claims	GI-11 Repair Service
10/20/2022	1407812E	Claims	GI-17 Safety Issues

9/23/2022	1405346E	Vegetation Management Distribution	Non-Infraction	GI-17 Safety Issues				

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

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

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.

- 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.

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.

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

- 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

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.

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.

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

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

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.

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

March 1, 2023

VIA ELECTRONIC FILING

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

Re: *2022 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 2022. This information is also contained in DEF's 2022 Annual Service Reliability Report dated March 1, 2023.

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
Attachments

cc: Penelope Buys, FPSC Division of Engineering

Duke Energy Florida (Distribution)
Annual Wood Pole Inspection Report
(Reporting Year 2022)

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
818,732	100,000	109,526	617	0.56%	617	5,142	3,575	N/A	V, E, S, B, P	100.000	111,176	13.58%
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 2022 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 2022)

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 (W)	# of Poles Inspected this Annual Inspection (W)	# of Poles Failing Inspection this Annual Inspection (W)	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 R=Resistograph	# of Poles 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
14,272	1,560	1,395	427	30.61%	1,495	2,181 Total: 1987 + 194	76	85	V = 11,901 (W,S,C) S&B = 1,003 (W) V(S) = 1405 (LT) 13,306 = Total V Total Structures, includes LT Total S&B = 1003	4,683	Current 8-Yr Cycle 5,856 2,280 1,902 923 4,545 3,371 3,860 1,003 23,740	166.34%

If b - c > 0, provide explanation	DEF Transmission visually inspects transmission lines with wood poles on 4 year cycle
If d - g > 0, provide explanation	Inspections were completed thru the end of the year. Defective/failed poles found in late 2022 are prioritized and worked into the prioritized schedule 2181 were wood replaced within Maintenance (1987) & DOT/Relo/Upgrades/Additions (194) for 2022
Description of Selection Criteria for Inspections	DEF Transmission conducts Sound & Bore on wood poles on an 8 year cycle as per FPSC ruling. 8-year Cum shows 164.2% of S&B on Remaining Wood Pole Inventory. DEF visually inspects Transmission lines with Steel or Concrete Poles and Lattice Towers on a 6 year cycle. DEF visually inspects Transmission lines containing wood poles on a 4-year cycle DEF's Annual Service Reliablity Report Inspection criteria is included in: Attachment M - Wood Pole Inspection Plan * Type: W-Wood; S-Steel; C-Concrete; LT-Lattice Tower

Attachment B

Duke Energy Florida
CCA Pole Sampling Results (Less than 16 Years of Age)
(Reporting Year 2022)

a	b	c	d	e	f	g	h	i	j	k	l	m
Total # of CCA Poles Less than 16 Years of Age in the Company Inventory	Total # of Pole Inspections Planned this Annual Inspection	# of CCA Poles Less than 16 years of age Inspected this Annual Inspection	# of CCA Poles Less than 16 years of age sampled this Annual Inspection	# of CCA Poles Less than 16 Years of Age Failing Inspection this Annual Inspection	CCA Poles Less than 16 Years of Age Failure Rate (%) this Annual Inspection	# of CCA Poles Less than 16 Years of Age Designated for Replacement this Annual Inspection	Total # of Poles Replaced this Annual Inspection	# of CCA Poles Less than 16 Years of Age 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
139,671	100,000	26,775	453	0	0%	0	N/A	404	N/A	V, E, S, B, P	N/A	N/A
If b - c > 0, provide explanation		N/A										
If d - g > 0, provide explanation		N/A										
Description of selection criteria for inspections		CCA poles to experience full inspection are randomly selected to represent a quantity of 1% or more of the total CCA poles less than 16 years of age in the inspection zone.										