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July 25, 2024

#### **VIA ELECTRONIC FILING**

Ms. Shonta Dunston, Chief Clerk North Carolina Utilities Commission 4325 Mail Service Center Raleigh, NC 27699-4300

Re: CUCA Exhibits

Docket No. E-100, Sub 190A

Dear Ms. Dunston:

Attached for filing please find the following exhibits, which CUCA introduced and discussed during the hearing on this matter on July 25, 2024:

• CUCA Cross Reliability and Operational Resilience Panel Direct Exhibit 1

A certificate of service is attached to this letter. Please do not hesitate to contact me should any questions arise in connection with this filing.

Sincerely,

BROOKS, PIERCE, McLENDON, HUMPHREY & LEONARD, LLP

/s/ Matthew B. Tynan Matthew B. Tynan Direct Dial: (336) 271-3171

e-mail: mtynan@brookspierce.com

cc: Parties of Record

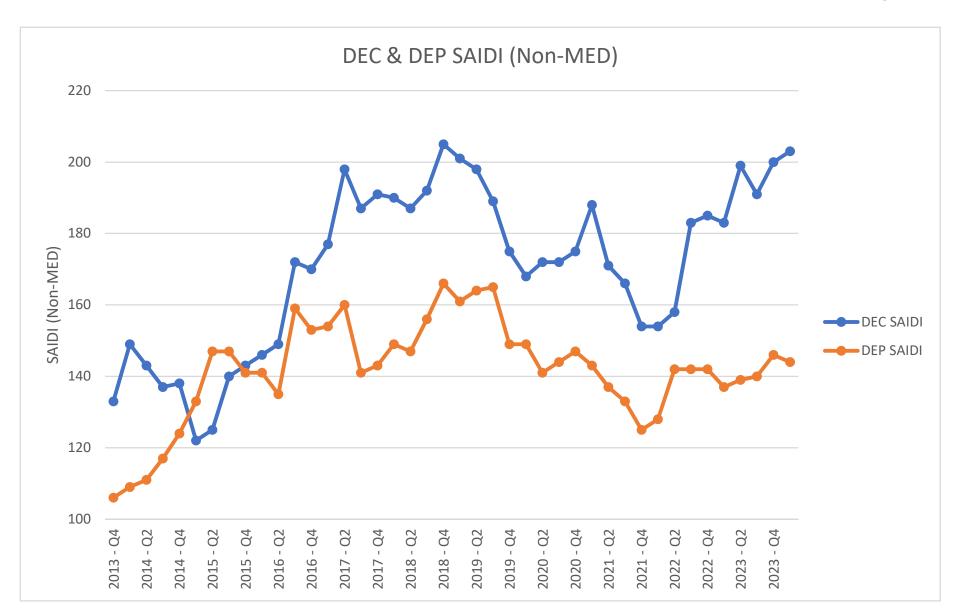
### **CERTIFICATE OF SERVICE**

I hereby certify that the CUCA Exhibit introduced on July 25, 2024, as filed in Docket No. E-100, Sub 190A, was served upon the parties of record in this proceeding by electronic mail on July 25, 2024.

This the 25th day of July, 2024.

BROOKS, PIERCE, MCLENDON, HUMPHREY & LEONARD, L.L.P.

/s/ Matthew B. Tynan
Matthew B. Tynan



# Duke Energy Carolinas, LLC and Duke Energy Progress to E-100 Sub 190A Distribution Service Quality Report Page 2 of 41 Fourth Quarter 2013

# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range		Without MEDs		With MEDs	
		SAIFI	SAIDI	SAIFI	SAIDI	
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 12/31/13	0.92	133	1.15	247	
North Carolina – Duke Energy Progress, Inc.	12 Months Ending 12/31/13	1.24	106	1.67	277	

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, Inc. Distribution Service Quality Report First Quarter 2014 Resilience Panel Direct Exhibit 1 Page 3 of 41

# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With	MEDs
	_	SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 3/31/14	0.98	149	1.50	720
North Carolina – Duke Energy Progress, Inc.	12 Months Ending 3/31/14	1.24	109	2.14	547

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Duke Energy Carolinas, LLC and Duke Energy Progress, Inc<sub>E-100</sub> Sub 190A Distribution Service Quality Report Second Quarter 2014 Page 4 of 41

# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With MEDs	
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 6/30/14	0.93	143	1.30	615
North Carolina – Duke Energy Progress, Inc.	12 Months Ending 6/30/14	1.16	111	1.76	441

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Duke Energy Carolinas, LLC and Duke Energy Progress No. 2-100 Sub 190A Distribution Service Quality Report Third Quarter 2014

# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With MEDs	
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 9/30/14	0.94	137	1.29	604
North Carolina – Duke Energy Progress, Inc.	12 Months Ending 9/30/14	1.18	117	1.82	461

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, Inc. Distribution Service Quality Report Fourth Quarter 2014 Resilience Panel Direct Exhibit 1 Docket No. E-100 Sub 190A Page 6 of 41

# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs			
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 12/31/14	0.94	138	1.30	606
North Carolina – Duke Energy Progress, Inc.	12 Months Ending 12/31/14	1.22	124	1.86	469

### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, Inc. Distribution Service Quality Report First Quarter 2015 Resilience Panel Direct Exhibit 1 Docket No. E-100 Sub 190A Page 7 of 41

# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With MEDs	
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 3/31/15	0.90	122	1.04	183
North Carolina – Duke Energy Progress, Inc.	12 Months Ending 3/31/15	1.26	133	1.70	301

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Duke Energy Carolinas, LLC and Duke Energy Progress, Inc. Docker No. E-100 Sub 190A Distribution Service Quality Report Second Quarter 2015 Page 8 of 41

# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With MEDs	
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 6/30/15	0.91	125	1.04	185
North Carolina – Duke Energy Progress, Inc.	12 Months Ending 6/30/15	1.37	147	1.71	293

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progresse LLC E-100 Sub 190A Distribution Service Quality Report Third Quarter 2015

# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With MEDs	
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 9/30/15	0.97	140	1.11	202
North Carolina – Duke Energy Progress, Inc.	12 Months Ending 9/30/15	1.35	147	1.66	278

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

#### Duke Energy Carolinas, LLC and Duke Energy Progress, LLC E-100 Sub 190A **Distribution Service Quality Report** Page 10 of 41 Fourth Quarter 2015

#### Commission Rule R8-40A Service Reliability Index Reporting 1. **Quarterly Report**

Jurisdiction	Date Range	Without MEDs		With MEDs	
	3	SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 12/31/15	0.99	143	1.17	213
North Carolina – Duke Energy Progress, LLC	12 Months Ending 12/31/15	1.41	141	1.72	275

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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## Duke Energy Carolinas, LLC and Duke Energy Progress, LLC P **Distribution Service Quality Report** First Quarter 2016

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range Without With				MEDs
	_	SAIFI SAIDI		SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 3/31/16	0.99	146	1.18	215
North Carolina – Duke Energy Progress, LLC	12 Months Ending 3/31/16	1.36	141	1.72	357

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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## Duke Energy Carolinas, LLC and Duke Energy Progress, LLC P **Distribution Service Quality Report Second Quarter 2016**

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Without Date Range MEDs With				MEDs
	_	SAIFI SAIDI		SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 6/30/16	1.02	149	1.22	222
North Carolina – Duke Energy Progress, LLC	12 Months Ending 6/30/16	1.28	135	1.69	362

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Distribution Service Quality Report Third Quarter 2016 Resilience Panel Direct Exhibit 1 Docket No. E-100 Sub 190A Page 13 of 41

# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With MEDs	
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 9/30/16	1.09	172	1.37	327
North Carolina – Duke Energy Progress, LLC	12 Months Ending 9/30/16	1.38	159	1.90	419

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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## Duke Energy Carolinas, LLC and Duke Energy Progress, LLC P **Distribution Service Quality Report** Fourth Quarter 2016

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs SAIFI SAIDI		With	MEDs
	•			SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 12/31/16	1.07	170	1.37	338
North Carolina – Duke Energy Progress, LLC	12 Months Ending 12/31/16	1.30	153	2.57	1790

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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## Duke Energy Carolinas, LLC and Duke Energy Progress, LLC P **Distribution Service Quality Report** First Quarter 2017

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs SAIFI SAIDI		With	MEDs
				SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 3/31/17	1.12	177	1.33	306
North Carolina – Duke Energy Progress, LLC	12 Months Ending 3/31/17	1.30	154	2.22	1570

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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## Duke Energy Carolinas, LLC and Duke Energy Progress, LLC P **Distribution Service Quality Report Second Quarter 2017**

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs SAIFI SAIDI		With	MEDs
				SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 6/30/17	1.17	198	1.45	336
North Carolina – Duke Energy Progress, LLC	12 Months Ending 6/30/17	1.36	160	2.24	1568

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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## Duke Energy Carolinas, LLC and Duke Energy Progress, LLC P **Distribution Service Quality Report** Third Quarter 2017

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Without Date Range MEDs Wit				MEDs
		SAIFI SAIDI		SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 9/30/17	1.13	187	1.37	289
North Carolina – Duke Energy Progress, LLC	12 Months Ending 9/30/17	1.28	141	2.08	1541

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Duke Energy Carolinas, LLC and Duke Energy Progress, NLC-100 Sub 190A Distribution Service Quality Report First Quarter 2018 Page 18 of 41

# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs SAIFI SAIDI		With	MEDs
				SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 3/31/18	1.09	190	1.39	390
North Carolina – Duke Energy Progress, LLC	12 Months Ending 3/31/18	1.32	149	1.51	226

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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## Duke Energy Carolinas, LLC and Duke Energy Progress, LLC P **Distribution Service Quality Report Second Quarter 2018**

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs SAIFI SAIDI		With	MEDs
	•			SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 6/30/18	1.07	187	1.35	428
North Carolina – Duke Energy Progress, LLC	12 Months Ending 6/30/18	1.25	147	1.47	230

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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## Duke Energy Carolinas, LLC and Duke Energy Progress, LLC No. E-100 Sub 190A **Distribution Service Quality Report Third Quarter 2018**

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs SAIFI SAIDI		With	MEDs
	•			SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 9/30/18	1.06	192	1.45	444
North Carolina – Duke Energy Progress, LLC	12 Months Ending 9/30/18	1.31	156	2.52	3077

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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## Duke Energy Carolinas, LLC and Duke Energy Progress, LLC No. E-100 Sub 190A **Distribution Service Quality Report Fourth Quarter 2018**

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs SAIFI SAIDI		With	MEDs
	•			SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 12/31/18	1.09	205	1.80	919
North Carolina – Duke Energy Progress, LLC	12 Months Ending 12/31/18	1.35	166	2.99	3680

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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## Duke Energy Carolinas, LLC and Duke Energy Progress, LLC No. E-100 Sub 190A **Distribution Service Quality Report** First Quarter 2019

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs			MEDs
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 3/31/19	1.08	201	1.84	970
North Carolina – Duke Energy Progress, LLC	12 Months Ending 3/31/19	1.33	161	2.89	3656

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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# Duke Energy Carolinas, LLC and Duke Energy Progress, LLC No. E-100 Sub 190A **Distribution Service Quality Report Second Quarter 2019**

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs SAIFI SAIDI		With	MEDs
	J			SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 6/30/19	1.10	198	1.88	965
North Carolina – Duke Energy Progress, LLC	12 Months Ending 6/30/19	1.39	164	3.05	3671

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Biotribution Comics Outlity Box at Bocket, No. E-100 Sub 190A **Distribution Service Quality Report Third Quarter 2019**

### Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs SAIFI SAIDI		With	MEDs
	•			SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 9/30/19	1.08	189	1.73	901
North Carolina – Duke Energy Progress, LLC	12 Months Ending 9/30/19	1.39	165	2.18	630

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Biotribution Comics Outlity Box at Bocket, No. E-100 Sub 190A **Distribution Service Quality Report Fourth Quarter 2019**

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## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs SAIFI SAIDI		With	MEDs
	<b>C</b>			SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 12/31/19	1.07	175	1.30	309
North Carolina – Duke Energy Progress, LLC	12 Months Ending 12/31/19	1.29	149	1.63	266

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Distribution Service Quality Papert Resilience Panel Direct Exhibit 1 Pocket, No. E-100 Sub 190A **Distribution Service Quality Report** First Quarter 2020

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs		With	MEDs
	•	SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 3/31/20	1.06	168	1.31	278
North Carolina – Duke Energy Progress, LLC	12 Months Ending 3/31/20	1.28	149	1.77	348

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Biotribution Comics Outlity Box at Bocket, No. E-100 Sub 190A **Distribution Service Quality Report** Second Quarter 2020

### Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs		With	MEDs
	•	SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 6/30/20	1.11	172	1.39	319
North Carolina – Duke Energy Progress, LLC	12 Months Ending 6/30/20	1.28	141	1.77	359

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Biotribution Comics Outlity Box at 190Ket, No. E-100 Sub 190A **Distribution Service Quality Report Third Quarter 2020**

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs		With	MEDs
	<b>C</b>	SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 9/30/20	1.16	172	1.44	317
North Carolina – Duke Energy Progress, LLC	12 Months Ending 9/30/20	1.31	144	1.86	412

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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## Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Distribution Carolina Quality Baront Socker, No. E-100 Sub 190A **Distribution Service Quality Report Fourth Quarter 2020**

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs		With	MEDs
	<b>C</b>	SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 12/31/20	1.19	175	1.63	521
North Carolina – Duke Energy Progress, LLC	12 Months Ending 12/31/20	1.36	147	1.98	429

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Distribution Service Quality Papert Resilience Panel Direct Exhibit 1 Docket, No. E-100 Sub 190A **Distribution Service Quality Report** First Quarter 2021

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range Without MEDs				MEDs
		SAIFI SAIDI		SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 3/31/21	1.29	188	1.75	586
North Carolina – Duke Energy Progress, LLC	12 Months Ending 3/31/21	1.33	143	1.83	431

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

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# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Distribution Service Quality Papert Resilience Panel Direct Exhibit 1 Docket, No. E-100 Sub 190A **Distribution Service Quality Report** Second Quarter 2021

Commission Rule R8-40A Service Reliability Index Reporting

# **Quarterly Report**

Jurisdiction	Date Range Without MEDs				MEDs
	•	SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 6/30/21	1.21	171	1.53	481
North Carolina – Duke Energy Progress, LLC	12 Months Ending 6/30/21	1.26	137	1.62	376

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Docket, No. E-100 Sub 190A Distribution Service Quality Report Third Quarter 2021 Page 32 of 41

# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction			Without MEDs		MEDs
	<b>C</b>	SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 9/30/21	1.14	166	1.49	484
North Carolina – Duke Energy Progress, LLC	12 Months Ending 9/30/21	1.23	133	1.41	237

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Distribution Service Quality Papert Resilience Panel Direct Exhibit 1 Docket, No. E-100 Sub 190A **Distribution Service Quality Report** Fourth Quarter 2021

## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range Without NEDs				MEDs
		SAIFI SAIDI		SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 12/31/21	1.10	154	1.25	259
North Carolina – Duke Energy Progress, LLC	12 Months Ending 12/31/21	1.16	125	1.27	211

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

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# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Distribution Service Quality Report **Distribution Service Quality Report** First Quarter 2022

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## Commission Rule R8-40A Service Reliability Index Reporting **Quarterly Report**

Jurisdiction	Date Range	Without MEDs		With	MEDs
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 3/31/22	1.11	154	1.31	241
North Carolina – Duke Energy Progress, LLC	12 Months Ending 3/31/22	1.18	128	1.43	218

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Resilience Panel Direct Exhibit 1 Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Distribution Service Quality Report Second Quarter 2022 Resilience Panel Direct Exhibit 1 Page 35 of 41

# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With	MEDs
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 6/30/22	1.15	158	1.44	286
North Carolina – Duke Energy Progress, LLC	12 Months Ending 6/30/22	1.24	142	1.67	312

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Docket No. E-100 Sub 190A Distribution Service Quality Report Third Quarter 2022 Resilience Panel Direct Exhibit 1 Page 36 of 41

# Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range Without With				MEDs
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 9/30/22	1.30	183	1.64	391
North Carolina – Duke Energy Progress, LLC	12 Months Ending 9/30/22	1.25	142	1.94	477

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Docket No. E-100 Sub 190A Distribution Service Quality Report Fourth Quarter 2022 Resilience Panel Direct Exhibit 1 Page 37 of 41

# Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With	MEDs
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 12/31/22	1.31	185	1.95	483
North Carolina – Duke Energy Progress, LLC	12 Months Ending 12/31/22	1.28	142	2.29	690

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

# Duke Energy Carolinas, LLC and Duke Energy Progress, LLC Distribution Service Quality Report Second Quarter 2023 Resilience Panel Direct Exhibit 1 Page 38 of 41

# Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With MEDs	
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 06/30/2023	1.38	199	1.81	394
North Carolina – Duke Energy Progress, LLC	12 Months Ending 06/30/2023	1.27	139	1.92	540

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

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# Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With MEDs	
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 09/30/2023	1.37	191	1.86	425
North Carolina – Duke Energy Progress, LLC	12 Months Ending 09/30/2023	1.24	140	1.85	444

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

All Sustained Interruptions (outages with durations exceeding 5 minutes) are included, except for MEDs as noted above.

#### **MEDs by Reporting Period**

MED Region	Date Range	MED	Non-MED
Carolinas West**	12 Months Ending 09/30/2023	13	352
Carolinas East**	12 Months Ending 09/30/2023	13	352
Carolinas West**	YTD 09/30/2023	9	264
Carolinas East**	YTD 09/30/2023	9	264

<sup>\*\*</sup>Carolinas East and West MED Regions contain a blend of jurisdictional boundaries.

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# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With MEDs	
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 12/31/2023	1.44	200	1.64	345
North Carolina – Duke Energy Progress, LLC	12 Months Ending 12/31/2023	1.25	146	1.54	241

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

All Sustained Interruptions (outages with durations exceeding 5 minutes) are included, except for MEDs as noted above.

#### **MEDs by Reporting Period**

MED Region	Date Range	MED	Non-MED
Carolinas West**	12 Months Ending 12/31/2023	4	359
Carolinas East**	12 Months Ending 12/31/2023	6	361
Carolinas West**	YTD 12/31/2023	4	359
Carolinas East**	YTD 12/31/2023	6	361

<sup>\*\*</sup>Carolinas East and West MED Regions contain a blend of jurisdictional boundaries.

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# 1. Commission Rule R8-40A Service Reliability Index Reporting Quarterly Report

Jurisdiction	Date Range	Without MEDs		With MEDs	
		SAIFI	SAIDI	SAIFI	SAIDI
North Carolina – Duke Energy Carolinas, LLC	12 Months Ending 3/31/2024	1.45	203	1.71	375
North Carolina – Duke Energy Progress, LLC	12 Months Ending 3/31/2024	1.20	144	1.59	272

<sup>\*</sup>Devices include circuit breakers, reclosers, line fuses, switches, and sectionalizers.

#### Notes:

MEDs = Major Event Days

SAIDI = System Average Interruption Duration Index

SAIFI = System Average Interruption Frequency Index

All Sustained Interruptions (outages with durations exceeding 5 minutes) are included, except for MEDs as noted above.

### **MEDs by Reporting Period**

MED Region	Date Range	MED	Non-MED
Carolinas West**	12 Months Ending 3/31/2024	4	362
Carolinas East**	12 Months Ending 3/31/2024	8	358
Carolinas West**	YTD 3/31/2024	1	119
Carolinas East**	YTD 3/31/2024	2	118

<sup>\*\*</sup>Carolinas East and West MED Regions contain a blend of jurisdictional boundaries.