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February 15, 2022

VIA ELECTRONIC FILING

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

**RE: Duke Energy Carolinas, LLC's Semiannual Vegetation Management
Report
Docket No. E-7, Sub 1146 and E-7, Sub 1182**

Dear Ms. Dunston:

Pursuant to the Commission's Orders issued November 4, 2019 and December 3, 2019 in Docket No. E-7, Sub 1146, please find enclosed for filing Duke Energy Carolinas, LLC's Semiannual Report on its Vegetation Management Program in the above-referenced dockets.

Please do not hesitate to contact me if you have any questions or need additional information.

Sincerely,

Kathleen H. Richard

Enclosure

cc: Parties of Record

OFFICIAL COPY

Feb 15 2022

CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Carolinas, LLC's Semiannual Vegetation Management Report, in Docket Nos. E-7, Sub 1146 and E-7, Sub 1182, has been served by electronic mail, hand delivery, or by depositing a copy in the United States Mail, 1st Class Postage Prepaid, properly addressed to parties of record.

This the 15th day of February, 2022.



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STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH

DOCKET NO. E-7, SUB 1146
DOCKET NO. E-7, SUB 1182

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

DOCKET NO. E-7, SUB 1146)	
)	
In the Matter of:)	
Application of Duke Energy Carolinas, LLC)	
For Adjustment of Rates and Charges)	
Applicable to Electric Service in North)	DUKE ENERGY CAROLINAS,
Carolina)	LLC’S SEMIANNUAL
)	VEGETATION MANAGEMENT
DOCKET NO. E-7, SUB 1182)	REPORT
)	
In the Matter of:)	
Duke Energy Carolinas, LLC, Petition for)	
Clarification or Limited Waiver of)	
Regulatory Condition No. 3.3)	
)	

Pursuant to the Commission’s *Order Declining to Accept Annual Vegetation Management Report and Requiring Compliance Filing*, issued on June 18, 2019 in Docket No. E-7, Sub 1146 (the “June 18 Order”), and its *Order Accepting Revised Vegetation Management Plan*,¹ issued November 4, 2019 in Docket No. E-7, Sub 1146, Duke Energy Carolinas, LLC (“DEC” or the “Company”) submits its Semiannual Vegetation Management Plan (the “Plan”) detailing actual and projected tree-trimming activities and spending from 2018 through 2023. The Plan reflects the Company’s continued progress

¹ On December 3, 2019, the Commission issued its *Order Revising Vegetation Management Reporting Schedule*, which changed the due dates to February 15 and August 15, with DEC’s first report being due on February 17, 2020.

to eliminate the 13,467 miles of existing tree-trimming backlog (“Existing Backlog” or “Off-Cycle Miles”) within five years after rates approved in this proceeding on June 22, 2018 went into effect, while still ensuring that all miles previously trimmed within their 5, 7, or 9-year timeframe based on the identified circuit category (“On-Cycle Miles”) are trimmed on schedule per the Company’s 5/7/9 Plan.

The attached appendices provide the Plan’s details in the format required by the Commission’s June 18 Order. Appendix A details amounts trimmed in 2018, 2019, 2020 and 2021 and the tree-trimming activities to be completed from 2022 through 2023, and Appendix B details the correlated spending.

DEC trimmed 6,639 miles in 2021, which exceeded the annual target miles for eliminating backlog (or off-cycle) miles by 35 miles. Additionally, the Company exceeded targets in each of the categories (Old Urban, Mountain, and Other). The Company remains on track to complete the targets outlined in Appendix A and stipulated by the Commission.

Respectfully submitted, this 15th day of February, 2022.



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Appendix A

in miles		2018	2019	2020	2021	2021	2021	2022	2023	Total
		(Actuals)	(Actuals)	(Actuals)	(Actuals)	(Target)	(Variance)			
Old Urban (5 year)										
On-Cycle		95	231	320	395	394	1	131	313	1,485
Off-Cycle		86	228	137	57	42	15	305	123	936
Total Old Urban		181	459	458	452	436	16	436	436	2,421
Mountain (7 year)										
On-Cycle		344	164	670	770	765	5	1,164	866	3,978
Off-Cycle		400	1,003	711	600	598	2	199	257	3,169
Total Mountain		744	1,167	1,381	1,370	1,363	7	1,363	1,123	7,148
Other (9 year)										
On-Cycle		1,052	2,130	2,624	3,053	3,043	10	4,541	5,045	18,444
Off-Cycle		3,582	3,201	2,271	1,765	1,762	3	264	-	11,084
Total Other		4,634	5,331	4,895	4,818	4,805	13	4,805	5,045	29,528
Trim Year										
Total On-Cycle Miles		1,491	2,525	3,614	4,218	4,202	16	5,835	6,224	23,907
Total Off-Cycle Miles		4,068	4,432	3,120	2,421	2,402	19	768	379	15,189
Total Annual Workplan		5,559	6,957	6,734	6,639	6,604	35	6,603	6,603	39,096
Cumulative Backlog Remaining										
		11,121	6,689	3,569	1,148			380	0	

Maintenance & Removal \$\$\$ in Appendix B

Appendix B

in millions		2018	2019	2020	2021	2021	2021	2022	2023	Total
		(Actuals)	(Actuals)	(Actuals)	(Actuals)	(Target)	(Variance)			
Old Urban (5 year)										
On-Cycle	\$	1.31	\$ 2.80	\$ 5.32	\$ 6.08	\$ 5.82	\$ 0.27	\$ 2.06	\$ 5.08	\$ 23
Off-Cycle	\$	1.19	\$ 2.77	\$ 2.28	\$ 0.88	\$ 0.62	\$ 0.25	\$ 4.80	\$ 1.99	\$ 14
Total Old Urban	\$	2.50	\$ 5.57	\$ 7.60	\$ 6.96	\$ 6.44	\$ 0.52	\$ 6.86	\$ 7.07	\$ 37
Mountain (7 year)										
On-Cycle	\$	3.94	\$ 2.31	\$ 8.84	\$ 9.08	\$ 10.52	\$ (1.44)	\$ 14.03	\$ 10.75	\$ 49
Off-Cycle	\$	4.58	\$ 14.10	\$ 9.38	\$ 7.07	\$ 8.22	\$ (1.16)	\$ 2.40	\$ 3.19	\$ 41
Total Mountain	\$	8.52	\$ 16.41	\$ 18.21	\$ 16.15	\$ 18.74	\$ (2.60)	\$ 16.42	\$ 13.93	\$ 90
Other (9 year)										
On-Cycle	\$	8.81	\$ 17.49	\$ 23.40	\$ 26.94	\$ 25.12	\$ 1.82	\$ 40.97	\$ 46.89	\$ 165
Off-Cycle	\$	29.99	\$ 26.28	\$ 20.26	\$ 15.58	\$ 14.26	\$ 1.32	\$ 2.38	\$ -	\$ 94
Total Other	\$	38.80	\$ 43.76	\$ 43.67	\$ 42.52	\$ 39.38	\$ 3.14	\$ 43.36	\$ 46.89	\$ 259
Trim Year										
Total On-Cycle Miles	\$	14.06	\$ 22.59	\$ 37.56	\$ 42.10	\$ 41.46	\$ 0.64	\$ 57.06	\$ 62.72	\$ 236
Total Off-Cycle Miles	\$	35.76	\$ 43.15	\$ 31.92	\$ 23.52	\$ 23.10	\$ 0.42	\$ 9.59	\$ 5.18	\$ 149
Total Annual Work Plan	\$	49.82	\$ 65.74	\$ 69.48	\$ 65.62	\$ 64.56	\$ 1.06	\$ 66.64	\$ 67.90	\$ 385