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Oct 31 2022

October 31, 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 Lighting Conversion
Progress Report (October 2022)
Docket No. E-7, Sub 1146**

Dear Ms. Dunston:

Pursuant to the March 2, 2018 Amended Partial Settlement Agreement with the North Carolina League of Municipalities, City of Concord, City of Kings Mountain and City of Durham, which was approved in the Commission's June 22, 2018 Order Accepting Stipulation, Deciding Contested Issues and Requiring Revenue Reduction, I enclose Duke Energy Carolinas, LLC's ("DEC") Semiannual Lighting Conversion Report (the "Report") for filing in connection with the referenced matter. The Report documents the actual progress of DEC's mercury vapor ("MV") lighting fixture replacement program through December 31, 2021, as well as a projection through December 31, 2022. It includes the geographic areas targeted, the number of MV fixtures to be replaced, the number and type of fixtures that replaced existing MV fixtures and an estimate of the revenue impact associated with those fixtures on an annual basis. This data is provided by the DEC operation center, which supports municipalities within its respective region. Please note that these projections only reflect actual and planned proactive replacements, and exclude any customer-requested replacements.

If you have any questions, please do not hesitate to contact me. Thank you for your attention to this matter.

Sincerely,

Jack E. Jirak

Enclosures

cc: Parties of Record

Duke Energy Carolinas, LLC
Outdoor Lighting Schedule PL
Mercury Vapor Conversion Project Semiannual Report
2020 - 2023 Schedule By Duke Energy Operations Center
October, 2022

ZONE	OP CENTER	MV_PRICE_SCHED_NAME	Actual YE 2020			Actual 2021 Year End		
			Quantity	Mo. Price Diff.	Annual Price Diff.	Quantity	Mo. Price Diff.	Annual Price Diff.
CENTRAL METRO	LITTLE ROCK	PL-MV152-URB-IN-NC	329	\$98.76	\$1,185.07	474	\$142.09	\$1,705.08
		PL-MV152-URB-OUT-NC	2	-\$0.11	-\$1.29	3	-\$0.15	-\$1.85
		PL-MV393-URB-IN-NC	7	-\$55.42	-\$665.00	10	-\$79.73	-\$956.81
		PL-MV41-SUB-IN-NC	13	\$36.15	\$433.86	19	\$52.02	\$624.23
		PL-MV75-SUB-IN-NC	2,163	\$2,617.80	\$31,413.66	3,113	\$3,766.49	\$45,197.94
		PL-MV75-SUB-OUT-NC	6	\$4.87	\$58.49	8	\$7.01	\$84.16
		PL-MV75-URB-IN-NC	76	\$27.48	\$329.73	110	\$39.53	\$474.42
		PL-MV75-URB-OUT-NC	1	\$0.00	\$0.00	2	\$0.00	\$0.00
		LITTLE ROCK TOTAL	2,598	\$2,729.54	\$32,754.51	3,738	\$3,927.26	\$47,127.16
		NEWELL/KANNAPOLIS						
CENTRAL WEST	GASTONIA	PL-MV75-SUB-OUT-NC				9	\$7.50	\$89.96
		PL-MV75-SUB-IN-NC				1,134	\$1,372.44	\$16,469.22
		PL-MV41-SUB-IN-NC				5	\$13.14	\$157.72
		PL-MV152-URB-IN-NC				49	\$14.60	\$175.25
		PL-MV75-URB-IN-NC				20	\$7.30	\$87.62
		NEWELL/KANNAPOLIS TOTAL				1,217	\$1,414.98	\$16,979.78
		PL-MV152-URB-IN-NC	40	\$11.97	\$143.68	31	\$9.21	\$110.49
		PL-MV152-URB-OUT-NC	0	-\$0.03	-\$0.33	0	-\$0.02	-\$0.26
		PL-MV41-SUB-IN-NC	132	\$357.11	\$4,285.29	102	\$274.63	\$3,295.55
		PL-MV75-SUB-IN-NC	999	\$1,208.98	\$14,507.79	768	\$929.75	\$11,157.04
MOUNTAINS EAST	SHELBY	PL-MV75-SUB-OUT-NC	8	\$7.02	\$84.20	6	\$5.40	\$64.75
		PL-MV75-URB-IN-NC	15	\$5.35	\$64.15	11	\$4.11	\$49.34
		GASTONIA TOTAL	1195	\$1,590.40	\$19,084.79	919	\$223.076579	\$14,676.91894
		PL-MV75-SUB-IN-NC				428	\$517.29	\$6,207.48
		PL-MV41-SUB-IN-NC				246	\$664.24	\$7,970.91
		PL-MV75-SUB-OUT-NC				14	\$12.16	\$145.87
		SHELBY TOTAL				688	\$1193.689045	\$14,324.26854
		BREVARD						
		PL-MV152-URB-IN-NC						
		PL-MV75-SUB-IN-NC						
		PL-MV75-URB-IN-NC						
MOUNTAINS EAST	HENDERSONVILLE	BREVARD TOTAL						
		PL-MV152-URB-IN-NC	120	\$35.91	\$430.91			
		PL-MV152-URB-OUT-NC	7	-\$0.44	-\$5.26			
		PL-MV41-SUB-IN-NC	32	\$85.11	\$1,021.36			
		PL-MV75-SUB-IN-NC	367	\$444.45	\$5,333.43			
		PL-MV75-SUB-OUT-NC	18	\$14.97	\$179.60			
		PL-MV75-URB-IN-NC	11	\$3.78	\$45.39			
		PL-MV75-URB-OUT-NC	2	\$0.00	\$0.00			
		HENDERSONVILLE TOTAL	556	\$583.79	\$7,005.44			
		SPINDALE						
MOUNTAINS EAST	MARION	PL-MV152-URB-IN-NC				29	\$8.59	\$103.02
		PL-MV152-URB-OUT-NC				17	-\$0.99	-\$11.90
		PL-MV393-URB-IN-NC				1	-\$5.09	-\$61.13
		PL-MV41-SUB-IN-NC				438	\$1,183.02	\$14,196.28
		PL-MV75-SUB-IN-NC				151	\$182.37	\$2,188.39
		PL-MV75-SUB-OUT-NC				25	\$21.37	\$256.41
		PL-MV75-URB-IN-NC				7	\$2.52	\$30.22
		PL-MV75-URB-OUT-NC				2	\$0.00	\$0.00
		SPINDALE TOTAL				669	\$1,391.77	\$16,701.29
		PL-MV75-SUB-OUT-NC				-	\$0.00	\$0.00
MOUNTAINS EAST	MARION	PL-MV75-SUB-IN-NC				-	\$0.00	\$0.00
		PL-MV41-SUB-IN-NC				-	\$0.00	\$0.00
		PL-MV152-URB-IN-NC				-	\$0.00	\$0.00
		PL-MV75-URB-IN-NC				-	\$0.00	\$0.00
		PL-MV75-URB-OUT-NC				-	\$0.00	\$0.00
		MARION TOTAL				-	\$0.00	\$0.00
		CHEROKEE/FRANKLIN/ROBBI				415	\$502.15	\$6,025.80
		CHEROKEE/FRANKLIN/ROBBINSVILLE TOTAL				415	\$502.15	\$6,025.80
		HICKORY						
		PL-MV75-SUB-OUT-NC				15	\$12.70	\$152.40
MOUNTAINS EAST	HICKORY	PL-MV75-SUB-IN-NC				1,128	\$1,365.19	\$16,382.27
		PL-MV41-SUB-IN-NC				424	\$1,146.06	\$13,752.70
		PL-MV152-URB-IN-NC				125	\$37.65	\$4,511.76
		PL-MV75-URB-IN-NC				181	\$65.04	\$780.50
		HICKORY TOTAL				1,874	\$2,626.64	\$31,519.62
		FAIRFAX						
		PL-MV152-URB-IN-NC	182	\$54.53	\$654.39	204	\$61.21	\$734.53
		PL-MV152-URB-OUT-NC	3	0 \$	(2.42)	4	-\$0.23	-\$2.71
		PL-MV41-SUB-IN-NC	1,638	4424 \$	53,087.30	1,839	\$4,965.73	\$59,588.72
		PL-MV75-SUB-IN-NC	470	568 \$	6,820.93	527	\$638.02	\$7,656.27
MOUNTAINS EAST	FAIRFAX	PL-MV75-SUB-OUT-NC	4	3 \$	38.08	4	\$3.56	\$42.75
		PL-MV75-URB-IN-NC	18	6 \$	76.17	20	\$7.12	\$85.50
		PL-MV75-URB-OUT-NC	4	0 \$	-	5	\$0.00	\$0.00
		FAIRFAX TOTAL	2319	\$5,056.21	\$60,674.46	2603	\$675.421175	\$81,055.0541
		BURLINGTON						
		PL-MV75-SUB-OUT-NC				12	\$10.16	\$121.92
		PL-MV75-SUB-IN-NC				583	\$705.42	\$8,465.06
		PL-MV41-SUB-IN-NC				614	\$1,656.81	\$19,881.76
		PL-MV152-URB-IN-NC				81	\$24.43	\$293.19
		PL-MV75-URB-IN-NC				30	\$10.74	\$128.89
MOUNTAINS EAST	HIGH POINT	BURLINGTON TOTAL				1,320	\$2,407.57	\$28,890.82
		PL-MV75-SUB-OUT-NC				2	\$1.87	\$22.42
		PL-MV75-SUB-IN-NC				23	\$27.45	\$329.45
		PL-MV41-SUB-IN-NC				34	\$92.09	\$1,105.11
		PL-MV152-URB-IN-NC				11	\$3.43	\$41.11
		PL-MV75-URB-IN-NC				4	\$1.28	\$15.38
		HIGH POINT TOTAL				74	\$126.12	\$1,513.46
		KERNERSVILLE						
		PL-MV152-URB-IN-NC						
		PL-MV152-URB-OUT-NC						
MOUNTAINS EAST	KERNERSVILLE	PL-MV41-SUB-IN-NC						
		PL-MV75-SUB-IN-NC						
		PL-MV75-SUB-OUT-NC						
		PL-MV75-URB-IN-NC						
		PL-MV75-URB-OUT-NC						
		KERNERSVILLE TOTAL						
		NWILKES/MT. AIRY						
		PL-MV152-URB-IN-NC						
		PL-MV41-SUB-IN-NC						
		PL-MV75-SUB-IN-NC						
MOUNTAINS EAST	NORTH	PL-MV75-SUB-OUT-NC						
		PL-MV75-URB-IN-NC						
		NWILKES/MT. AIRY TOTAL						
		ELKIN						
		PL-MV152-URB-IN-NC						
		PL-MV152-URB-OUT-NC						
		PL-MV41-SUB-IN-NC						
		PL-MV75-SUB-IN-NC						
		PL-MV75-SUB-OUT-NC						
		PL-MV75-URB-IN-NC						
MOUNTAINS EAST	RURAL HALL/MADISON	PL-MV75-URB-OUT-NC						
		ELKIN TOTAL						
		PL-MV152-URB-IN-NC						
		PL-MV152-URB-OUT-NC						
		PL-MV41-SUB-IN-NC						
		PL-MV75-SUB-IN-NC						
		PL-MV75-SUB-OUT-NC						
		PL-MV75-URB-IN-NC						
		PL-MV75-URB-OUT-NC						
		RURAL HALL/MADISON TOTAL						

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 Outdoor Lighting Schedule PL
 Mercury Vapor Conversion Project Semiannual Report
 2020 - 2023 Schedule By Duke Energy Operations Center
 October, 2022

ZONE	OP CENTER	MV_PRICE_SCHED_NAME	Actual YE 2020			Actual 2021 Year End			
			Quantity	Mo. Price Diff.	Annual Price Diff.	Quantity	Mo. Price Diff.	Annual Price Diff.	
CENTRAL EAST	RURAL HALL/MADISON TOTAL								
	LEWISVILLE	PL-MV152-URB-IN-NC							
		PL-MV152-URB-OUT-NC							
		PL-MV41-SUB-IN-NC							
		PL-MV75-SUB-IN-NC							
		PL-MV75-SUB-OUT-NC							
		PL-MV75-URB-IN-NC							
	LEWISVILLE TOTAL								
	REIDSVILLE	PL-MV152-URB-IN-NC							
		PL-MV152-URB-OUT-NC							
		PL-MV41-SUB-IN-NC							
		PL-MV75-SUB-IN-NC							
		PL-MV75-SUB-OUT-NC							
		PL-MV75-URB-IN-NC							
	REIDSVILLE TOTAL								
	MARSHVILLE/MATTHEWS	PL-MV152-URB-IN-NC							
		PL-MV41-SUB-IN-NC							
		PL-MV75-SUB-IN-NC							
		PL-MV75-SUB-OUT-NC							
		PL-MV75-URB-IN-NC							
		MARSHVILLE/MATTH TOTAL							
		MOORESVILLE	PL-MV152-URB-IN-NC						
			PL-MV41-SUB-IN-NC						
			PL-MV75-SUB-IN-NC						
			PL-MV75-SUB-OUT-NC						
			PL-MV75-URB-IN-NC						
		MOORESVILLE TOTAL							
		SALISBURY	PL-MV152-URB-IN-NC						
	PL-MV152-URB-OUT-NC								
	PL-MV41-SUB-IN-NC								
	PL-MV75-SUB-IN-NC								
	PL-MV75-SUB-OUT-NC								
	PL-MV75-URB-IN-NC								
	SALISBURY TOTAL								
		Total Conversions	6,668	\$9,959.93	\$119,519.19	13,517	\$20,488.68	\$245,864.18	

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Mercury Vapor Conversion Project Semiannual Report
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ZONE	OP CENTER	MV_PRICE_SCHED_NAME	Actual January - June 2022			Forecast July - December 2022			Forecast - 2022 Year End		
			Quantity	Mo. Price Diff.	Annual Price Diff.	Quantity	Mo. Price Diff.	Annual Price Diff.	Quantity	Mo. Price Diff.	Annual Price Diff.
CENTRAL METRO	LITTLE ROCK	PL-MV152-URB-IN-NC	203	\$60.82	\$729.83	275	\$82.37	\$988.47	477	\$143.19	\$1,718.30
		PL-MV152-URB-OUT-NC	1	-\$0.07	-\$0.79	1	-\$0.09	-\$1.07	3	-\$0.16	-\$1.86
		PL-MV393-URB-IN-NC	4	-\$34.13	-\$409.55	6	-\$46.22	-\$554.68	10	-\$80.35	-\$964.23
		PL-MV41-SUB-IN-NC	8	\$22.27	\$267.19	11	\$30.16	\$361.88	19	\$52.42	\$629.07
		PL-MV75-SUB-IN-NC	1,332	\$1,612.20	\$19,346.36	1,805	\$2,183.52	\$26,202.23	3,137	\$3,795.72	\$45,548.59
		PL-MV75-SUB-OUT-NC	4	\$3.00	\$36.02	5	\$4.07	\$48.79	8	\$7.07	\$84.81
		PL-MV75-URB-IN-NC	47	\$16.92	\$203.07	64	\$22.92	\$275.03	111	\$39.84	\$478.10
		PL-MV75-URB-OUT-NC	1	\$0.00	\$0.00	1	\$0.00	\$0.00	2	\$0.00	\$0.00
		LITTLE ROCK TOTAL	1,600	\$1,681.01	\$20,172.14	2,167	\$2,276.72	\$27,320.64	3,767	\$3,957.73	\$47,492.78
	NEWELL/KANNAPOLIS	PL-MV75-SUB-OUT-NC									
		PL-MV75-SUB-IN-NC									
		PL-MV41-SUB-IN-NC									
		PL-MV152-URB-IN-NC									
		PL-MV75-URB-IN-NC									
CENTRAL WEST	NEWELL/KANNAPOLIS TOTAL										
	GASTONIA	PL-MV152-URB-IN-NC									
		PL-MV152-URB-OUT-NC									
		PL-MV41-SUB-IN-NC									
		PL-MV75-SUB-IN-NC									
		PL-MV75-SUB-OUT-NC									
		PL-MV75-URB-IN-NC									
	GASTONIA TOTAL										
	SHELBY	PL-MV75-SUB-IN-NC									
		PL-MV41-SUB-IN-NC									
		PL-MV75-SUB-OUT-NC									
	SHELBY TOTAL										
MOUNTAINS EAST	BREVARD	PL-MV152-URB-IN-NC									
		PL-MV75-SUB-IN-NC									
		PL-MV75-URB-IN-NC									
	BREVARD TOTAL										
	HENDERSONVILLE	PL-MV152-URB-IN-NC									
		PL-MV152-URB-OUT-NC									
		PL-MV41-SUB-IN-NC									
		PL-MV75-SUB-IN-NC									
		PL-MV75-SUB-OUT-NC									
		PL-MV75-URB-IN-NC									
		PL-MV75-URB-OUT-NC									
	HENDERSONVILLE TOTAL										
	SPINDALE	PL-MV152-URB-IN-NC									
		PL-MV152-URB-OUT-NC									
		PL-MV393-URB-IN-NC									
		PL-MV41-SUB-IN-NC									
		PL-MV75-SUB-IN-NC									
TRIAD NORTH	MARION	PL-MV75-SUB-OUT-NC									
		PL-MV75-SUB-IN-NC									
		PL-MV41-SUB-IN-NC									
		PL-MV152-URB-IN-NC									
		PL-MV75-URB-IN-NC									
		PL-MV152-URB-OUT-NC									
	MARION TOTAL										
	CHEROKEE/FRANKLIN/ROBBI PL-MV75-SUB-IN-NC										
	CHEROKEE/FRANKLIN/ROBBINSVILLE TOTAL										
	HICKORY	PL-MV75-SUB-OUT-NC	11	\$9.66	\$115.89	16	\$13.40	\$160.86	27	\$23.06	\$276.74
		PL-MV75-SUB-IN-NC	858	\$1,038.10	\$12,457.17	1,191	\$1,440.95	\$17,291.42	2,049	\$2,479.05	\$29,748.59
		PL-MV41-SUB-IN-NC	323	\$871.47	\$10,457.63	448	\$1,209.66	\$14,515.92	771	\$2,081.13	\$24,979.54
		PL-MV152-URB-IN-NC	95	\$28.63	\$343.52	132	\$39.74	\$476.83	228	\$68.36	\$820.34
		PL-MV75-URB-IN-NC	137	\$49.46	\$593.50	191	\$68.65	\$823.82	328	\$118.11	\$1,417.32
		HICKORY TOTAL	1,425	\$1,997.31	\$23,967.70	1,978	\$2,772.40	\$33,268.84	3,403	\$4,769.71	\$57,236.54
	FAIRFAX	PL-MV152-URB-IN-NC									
		PL-MV152-URB-OUT-NC									
		PL-MV41-SUB-IN-NC									
		PL-MV75-SUB-IN-NC									
		PL-MV75-SUB-OUT-NC									
		PL-MV75-URB-IN-NC									
		PL-MV75-URB-OUT-NC									
	FAIRFAX TOTAL										
	BURLINGTON	PL-MV75-SUB-OUT-NC									
		PL-MV75-SUB-IN-NC									
		PL-MV41-SUB-IN-NC									
		PL-MV152-URB-IN-NC									
		PL-MV75-URB-IN-NC									
	BURLINGTON TOTAL										
	HIGH POINT	PL-MV75-SUB-OUT-NC									
		PL-MV75-SUB-IN-NC									
		PL-MV41-SUB-IN-NC									
		PL-MV152-URB-IN-NC									
		PL-MV75-URB-IN-NC									
	HIGH POINT TOTAL										
	KERNERSVILLE	PL-MV152-URB-IN-NC	31	\$9.19	\$110.31	121	\$36.39	\$436.65	152	\$45.58	\$546.95
		PL-MV152-URB-OUT-NC	1	-\$0.05	-\$0.56	3	-\$0.18	-\$2.20	4	-\$0.23	-\$2.75
		PL-MV41-SUB-IN-NC	628	\$1,695.22	\$20,342.64	2,485	\$6,710.33	\$80,523.96	3,113	\$8,405.55	\$100,866.60
		PL-MV75-SUB-IN-NC	161	\$194.47	\$2,333.69	636	\$769.80	\$9,237.65	797	\$964.28	\$11,571.35
		PL-MV75-SUB-OUT-NC	4	\$3.08	\$36.91	14	\$12.17	\$146.10	18	\$15.25	\$183.01
	KERNERSVILLE	PL-MV75-URB-IN-NC	16	\$5.62	\$67.43	62	\$22.24	\$266.93	77	\$27.86	\$334.36
		PL-MV75-URB-OUT-NC	2	\$0.00	\$0.00	7	\$0.00	\$0.00	9	\$0.00	\$0.00
		KERNERSVILLE TOTAL	841	\$1,907.54	\$22,890.43	3,329	\$7,550.76	\$90,609.09	4,170	\$9,458.29	\$113,499.53
	NWILKES/MT. AIRY	PL-MV152-URB-IN-NC				50	\$14.93	\$179.17	50	\$14.93	\$179.17
		PL-MV152-URB-OUT-NC				9	-\$0.56	-\$6.76	9	-\$0.56	-\$6.76
		PL-MV41-SUB-IN-NC				153	\$413.28	\$4,959.41	153	\$413.28	\$4,959.41
		PL-MV75-SUB-IN-NC				1,239	\$1,498.74	\$17,984.92	1,239	\$1,498.74	\$17,984.92
		PL-MV75-SUB-OUT-NC				68	\$56.79	\$681.54	68	\$56.79	\$681.54
		PL-MV75-URB-IN-NC				54	\$19.27	\$231.24	54	\$19.27	\$231.24
	NWILKES/MT. AIRY TOTAL					1,572	\$2,002.46	\$24,029.51	1,572	\$2,002.46	\$24,029.51
	ELKIN	PL-MV152-URB-IN-NC				23	\$6.84	\$82.13	23	\$6.84	\$82.13
		PL-MV152-URB-OUT-NC				3	-\$0.18	-\$2.19	3	-\$0.18	-\$2.19
		PL-MV41-SUB-IN-NC				101	\$272.04	\$3,264.51	101	\$272.04	\$3,264.51
		PL-MV75-SUB-IN-NC				230	\$278.80	\$3,345.54	230	\$278.80	\$3,345.54
		PL-MV75-SUB-OUT-NC				8	\$7.03	\$84.32	8	\$7.03	\$84.32
	ELKIN	PL-MV75-URB-IN-NC				25	\$9.17	\$110.05	25	\$9.17	\$110.05
		PL-MV75-URB-OUT-NC				1	\$0.00	\$0.00	1	\$0.00	\$0.00
		ELKIN TOTAL				392	\$573.70	\$6,884.36	392	\$573.70	\$6,884.36
	RURAL HALL/MADISON	PL-MV152-URB-IN-NC									
		PL-MV152-URB-OUT-NC									
		PL-MV41-SUB-IN-NC									
		PL-MV75-SUB-IN-NC									
		PL-MV75-SUB-OUT-NC									
		PL-MV75-URB-IN-NC									
		PL-MV75-URB-OUT-NC									

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			Quantity	Mo. Price Diff.	Annual Price Diff.	Quantity	Mo. Price Diff.	Annual Price Diff.	Quantity	Mo. Price Diff.	Annual Price Diff.
CENTRAL EAST	RURAL HALL/MADISON TOTAL LEWISVILLE	PL-MV152-URB-IN-NC									
		PL-MV152-URB-OUT-NC									
		PL-MV41-SUB-IN-NC									
		PL-MV75-SUB-IN-NC									
		PL-MV75-SUB-OUT-NC									
		PL-MV75-URB-IN-NC									
	LEWISVILLE TOTAL REIDSVILLE	PL-MV152-URB-IN-NC									
		PL-MV152-URB-OUT-NC									
		PL-MV41-SUB-IN-NC									
		PL-MV75-SUB-IN-NC									
		PL-MV75-SUB-OUT-NC									
		PL-MV75-URB-IN-NC									
	REIDSVILLE TOTAL	PL-MV75-URB-OUT-NC									
		PL-MV75-URB-OUT-NC									
		PL-MV75-URB-OUT-NC									
		PL-MV75-URB-OUT-NC									
		PL-MV75-URB-OUT-NC									
		PL-MV75-URB-OUT-NC									
	MARSHVILLE/MATTHEWS	PL-MV152-URB-IN-NC	59	\$17.84	\$214.10				59	\$17.84	\$214.10
		PL-MV41-SUB-IN-NC	49	\$132.36	\$1,588.38				49	\$132.36	\$1,588.38
		PL-MV75-SUB-IN-NC	836	\$1,011.34	\$12,136.08				836	\$1,011.34	\$12,136.08
		PL-MV75-SUB-OUT-NC	2	\$2.03	\$24.30				2	\$2.03	\$24.30
		PL-MV75-URB-IN-NC	60	\$21.70	\$260.39				60	\$21.70	\$260.39
		PL-MV75-URB-OUT-NC									
PL-MV75-URB-OUT-NC											
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Duke Energy Carolinas, LLC
 Outdoor Lighting Schedule PL
 Mercury Vapor Conversion Project Semiannual Report
 2020 - 2023 Schedule By Duke Energy Operations Center
 October, 2022

Zone	Op Center	MV_Price_Sched_Name	Quantity	Forecast January - July 2023				
				Mo. Price Diff.	Annual Price Diff.			
CENTRAL METRO	LITTLE ROCK	PL-MV152-URB-IN-NC	111	\$33.30		\$399.58		
		PL-MV152-URB-OUT-NC	1	-\$0.04		-\$0.43		
		PL-MV393-URB-IN-NC	2	-\$18.69		-\$224.23		
		PL-MV41-SUB-IN-NC	5	\$12.19		\$146.29		
		PL-MV75-SUB-IN-NC	729	\$882.68		\$10,592.13		
		PL-MV75-SUB-OUT-NC	2	\$1.64		\$19.72		
		PL-MV75-URB-IN-NC	26	\$9.26		\$111.18		
		PL-MV75-URB-OUT-NC	0	\$0.00		\$0.00		
	LITTLE ROCK TOTAL	876	\$920.35		\$11,044.25			
	CENTRAL WEST	NEWELL/KANNAPOLIS	PL-MV75-SUB-OUT-NC					
PL-MV75-SUB-IN-NC								
PL-MV41-SUB-IN-NC								
PL-MV152-URB-IN-NC								
PL-MV75-URB-IN-NC								
NEWELL/KANNAPOLIS TOTAL								
GASTONIA		PL-MV152-URB-IN-NC						
		PL-MV152-URB-OUT-NC						
		PL-MV41-SUB-IN-NC						
		PL-MV75-SUB-IN-NC						
	PL-MV75-SUB-OUT-NC							
GASTONIA TOTAL								
MOUNTAINS EAST	SHELBY	PL-MV75-SUB-IN-NC						
		PL-MV41-SUB-IN-NC						
		PL-MV75-SUB-OUT-NC						
	SHELBY TOTAL							
	BREVARD	PL-MV152-URB-IN-NC						
		PL-MV75-SUB-IN-NC						
		PL-MV75-URB-IN-NC						
		BREVARD TOTAL						
		HENDERSONVILLE	PL-MV152-URB-IN-NC					
			PL-MV152-URB-OUT-NC					
PL-MV41-SUB-IN-NC								
PL-MV75-SUB-IN-NC								
PL-MV75-SUB-OUT-NC								
PL-MV75-URB-IN-NC								
PL-MV75-URB-OUT-NC								
HENDERSONVILLE TOTAL								
SPINDALE	PL-MV152-URB-IN-NC							
	PL-MV152-URB-OUT-NC							
	PL-MV393-URB-IN-NC							
	PL-MV41-SUB-IN-NC							
	PL-MV75-SUB-IN-NC							
	PL-MV75-SUB-OUT-NC							
	PL-MV75-URB-IN-NC							
	PL-MV75-URB-OUT-NC							
	SPINDALE TOTAL							
	MARION	PL-MV75-SUB-OUT-NC						
PL-MV75-SUB-IN-NC								
PL-MV41-SUB-IN-NC								
PL-MV152-URB-IN-NC								
PL-MV75-URB-IN-NC								
PL-MV152-URB-OUT-NC								
MARION TOTAL								
CHEROKEE/FRANKLIN/ROBBI		PL-MV75-SUB-IN-NC						
CHEROKEE/FRANKLIN/ROBBINSVILLE TOTAL								
HICKORY		PL-MV75-SUB-OUT-NC						
	PL-MV75-SUB-IN-NC							
	PL-MV41-SUB-IN-NC							
	PL-MV152-URB-IN-NC							
	PL-MV75-URB-IN-NC							
	HICKORY TOTAL							
	TRIAD NORTH	FAIRFAX	PL-MV152-URB-IN-NC					
			PL-MV152-URB-OUT-NC					
			PL-MV41-SUB-IN-NC					
			PL-MV75-SUB-IN-NC					
PL-MV75-SUB-OUT-NC								
PL-MV75-URB-IN-NC								
PL-MV75-URB-OUT-NC								
FAIRFAX TOTAL								
BURLINGTON		PL-MV75-SUB-OUT-NC						
		PL-MV75-SUB-IN-NC						
	PL-MV41-SUB-IN-NC							
	PL-MV152-URB-IN-NC							
	PL-MV75-URB-IN-NC							
	BURLINGTON TOTAL							
	HIGH POINT	PL-MV75-SUB-OUT-NC						
		PL-MV75-SUB-IN-NC						
		PL-MV41-SUB-IN-NC						
		PL-MV152-URB-IN-NC						
PL-MV75-URB-IN-NC								
HIGH POINT TOTAL								
KERNERSVILLE	PL-MV152-URB-IN-NC							
	PL-MV152-URB-OUT-NC							
	PL-MV41-SUB-IN-NC							
	PL-MV75-SUB-IN-NC							
	PL-MV75-SUB-OUT-NC							
	PL-MV75-URB-IN-NC							
	PL-MV75-URB-OUT-NC							
	KERNERSVILLE TOTAL							
	NWILKES/MT. AIRY	PL-MV152-URB-IN-NC						
		PL-MV152-URB-OUT-NC						
PL-MV41-SUB-IN-NC								
PL-MV75-SUB-IN-NC								
PL-MV75-SUB-OUT-NC								
PL-MV75-URB-IN-NC								
NWILKES/MT. AIRY TOTAL								
ELKIN		PL-MV152-URB-IN-NC	23	\$6.86		\$82.34		
		PL-MV152-URB-OUT-NC	3	-\$0.18		-\$2.20		
		PL-MV41-SUB-IN-NC	101	\$272.74		\$3,272.84		
	PL-MV75-SUB-IN-NC	231	\$279.51		\$3,354.08			
	PL-MV75-SUB-OUT-NC	8	\$7.04		\$84.53			
	PL-MV75-URB-IN-NC	26	\$9.19		\$110.33			
	PL-MV75-URB-OUT-NC	1	\$0.00		\$0.00			
	ELKIN TOTAL	393	\$575.16		\$6,901.92			
	RURAL HALL/MADISON	PL-MV152-URB-IN-NC	9	\$2.70		\$32.40		
		PL-MV152-URB-OUT-NC	5	-\$0.30		-\$3.60		
PL-MV41-SUB-IN-NC		107	\$288.90		\$3,466.80			
PL-MV75-SUB-IN-NC		435	\$526.35		\$6,316.20			
PL-MV75-SUB-OUT-NC		49	\$41.16		\$493.92			
PL-MV75-URB-IN-NC		4	\$1.44		\$17.28			
PL-MV75-URB-OUT-NC		13	\$0.00		\$0.00			
RURAL HALL/MADISON TOTAL								

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 October, 2022

ZONE	OP CENTER	MV_PRICE_SCHED_NAME	Quantity	Forecast January - July 2023			
				Mo. Price Diff.	Annual Price Diff.		
CENTRAL EAST	RURAL HALL/MADISON TOTAL		622	\$860.25	\$10,323.00		
	LEWISVILLE	PL-MV152-URB-IN-NC	3	\$0.79	\$9.45		
		PL-MV152-URB-OUT-NC	1	-\$0.07	-\$0.81		
		PL-MV41-SUB-IN-NC	0	\$1.01	\$12.14		
		PL-MV75-SUB-IN-NC	278	\$336.54	\$4,038.46		
		PL-MV75-SUB-OUT-NC	3	\$2.83	\$34.01		
		PL-MV75-URB-IN-NC	6	\$2.29	\$27.53		
	LEWISVILLE TOTAL		292	\$343.40	\$4,120.78		
	REIDSVILLE	PL-MV152-URB-IN-NC	271	\$81.36	\$976.32		
		PL-MV152-URB-OUT-NC	2	-\$0.12	-\$1.45		
		PL-MV41-SUB-IN-NC	36	\$97.63	\$1,171.58		
		PL-MV75-SUB-IN-NC	2,139	\$2,588.75	\$31,064.95		
		PL-MV75-SUB-OUT-NC	24	\$20.25	\$242.99		
		PL-MV75-URB-IN-NC	15	\$5.42	\$65.09		
		PL-MV75-URB-OUT-NC	2,488	\$2,793.29	\$33,519.48		
	REIDSVILLE TOTAL						
	CENTRAL EAST	MARSHVILLE/MATTHEWS	PL-MV152-URB-IN-NC				
			PL-MV41-SUB-IN-NC				
			PL-MV75-SUB-IN-NC				
			PL-MV75-SUB-OUT-NC				
PL-MV75-URB-IN-NC							
MARSHVILLE/MATTH TOTAL							
MOORESVILLE		PL-MV152-URB-IN-NC					
		PL-MV41-SUB-IN-NC					
		PL-MV75-SUB-IN-NC					
		PL-MV75-SUB-OUT-NC					
		PL-MV75-URB-IN-NC					
MOORESVILLE TOTAL							
SALISBURY		PL-MV152-URB-IN-NC	95	\$28.45	\$341.40		
		PL-MV152-URB-OUT-NC	2	-\$0.14	-\$1.63		
	PL-MV41-SUB-IN-NC	779	\$2,103.24	\$25,238.89			
	PL-MV75-SUB-IN-NC	259	\$312.82	\$3,753.86			
	PL-MV75-SUB-OUT-NC	13	\$10.91	\$130.87			
	PL-MV75-URB-IN-NC	11	\$3.86	\$46.33			
	PL-MV75-URB-OUT-NC	2	\$0.00	\$0.00			
SALISBURY TOTAL		1,160	\$2,459.14	\$29,509.72			
Total Conversions		5,831	\$7,951.60	\$95,419.14			

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 Outdoor Lighting Schedule PL
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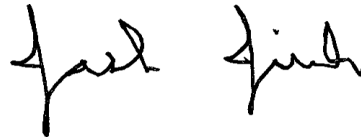
Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	2020 H1 AC		
			HENDERSONVILLE - 132			132		
			FAIRFAX - 652			652		
			GASTONIA - 174			174		
			LITTLE ROCK - 78			78		
Grand Total						1,036		
Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	2020 H2 AC	EOY AC	CUMUL
HENDERSONVILLE - 424						424	556	556
FAIRFAX - Projected 1667						1,667	2,319	2,319
GASTONIA - Projected 1021						1,021	1,195	1,195
LITTLE ROCK - Projected 2520						2,520	2,598	2,598
Grand Total						5632	6668	6668
Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	2021 H1 AC	EOY PC	CUMUL
SPINDALE - 669		CHEROKEE, FRANKLIN ROBBINSVILLE - 415				1,084		
Triangle - 441		FAIRFAX - 2162				2,603		
GASTONIA - 919		SHELBY - 688				1,607		
LITTLE ROCK - 2321						2,321		
Grand Total						7,615		14,283
Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021 H2 AC	EOY AC	CUMUL
MARION - 823		HICKORY - 1051				1,874	2,958	
BURLINGTON - 1320				HIGH POINT - 74		1,394	3,997	
NEWELL/KANNAPOLIS - 1217						1,217	2,824	
LITTLE ROCK - 1417						1,417	3,738	
Grand Total						5,902	13,517	20,185
Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	2022 H1 AC	EOY PC	CUMUL
HICKORY - Projected 3403, Actual 1425						1,425		
KERNERSVILLE - Projected 2258, Actual 841						841		
MARSHVILLE/MATTH - Projected 1290, Actual 1007						1,012		
MOORESVILLE - Projected 135, Actual 1600						1,600		
LITTLE ROCK - Projected 2039, Actual 1600						1,600		
Grand Total						4,878		25,063
Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	2022 H2 PC	EOY PC	CUMUL
HICKORY - Projected 1978		NWILKES/MT AIRY - Projected 1572			ELKIN - Projected 392	3,942	5,367	
KERNERSVILLE - Projected 3329						3,329	4,170	
MOORESVILLE - Projected 815			SALISBURY - Projected 700			1,515	2,527	
LITTLE ROCK - Projected 2167						2,167	3,767	
Grand Total						10,953	15,831	36,016
Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	2023 H1 PC		H1 AC
ELKIN - Projected 393		RURAL HALL/MADISON - Projected 622		REIDSVILLE - Projected 1244		2,259		
LEWISVILLE - Projected 292			REIDSVILLE - Projected 1244			1,536		
SALISBURY - Projected 1160						1,160		
LITTLE ROCK - Projected 876						876		
					Grand Total	5,831		41,847

AC = Actual Completions
 PC = Projected Completions
 EOY PC = End of Year Projected Completions
 EOY AC = End of Year Actual Completions

CERTIFICATE OF SERVICE

I certify that a copy of Duke Energy Carolinas, LLC's Semiannual Lighting Conversion Progress Report, in Docket No. E-7, Sub 1146, 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 31st day of October, 2022.



Jack E. Jirak
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