



March 28, 2024

FILED VIA ELECTRONIC FILING

Shonta Dunston, Chief Clerk
North Carolina Utilities Commission
430 North Salisbury Street
Dobbs Building
Raleigh, North Carolina 27603-5918

**Re: Implementation of N.C.G.S. § 130A-309.240(f) (Session Law 2023-58)
Annual report regarding interconnections with utility-scale solar facilities
Docket No. E-100, Sub 113B**

Dear Ms. Dunston:

Pursuant to the North Carolina Utilities Commission's February 12, 2024, *Order Requiring Annual Reports Regarding Interconnections with Utility-Scale Solar Facilities* in this docket, attached please find as Appendix 1 a table listing the operating utility-scale solar facilities interconnected to facilities owned by electric membership corporations ("EMCs") in North Carolina. In compiling this data, North Carolina Electric Membership Corporation ("NCEMC"),¹ relied on the statutory definition in N.C.G.S. § 130A-309.240(a)(6) of a "utility-scale solar project" as a "project capable of generating 2 megawatts AC (MW AC) or more directly connected to the local or regional electrical grid with the ability to deliver power to the electrical grid." NCEMC notes that in some cases, the AC nameplate capacity of some projects meets or exceeds 2 MW AC; however, the capability of the facility to generate power in excess of 2 MW AC is limited by inverter controls and/or contractually in power purchase agreements and interconnection agreements. In addition, this report includes only operational projects (i.e., delivering power to the electric grid), and does not include a listing of any projects that are planned or under construction. Lastly, NCEMC notes that this report does not include any utility-scale solar projects located within the service territories of EMCs in North Carolina that directly interconnect to facilities owned by the regulated electric public utilities or the municipal power suppliers for the delivery of power to the electrical grid. It is NCEMC's understanding that these utility-scale projects would be identified through the reports filed by those respective parties.

NCEMC and its members will continue to monitor the status of these projects and file updates annually pursuant to the Commission's February 12, 2024, Order.

¹ For clarity, NCEMC notes that this report includes information on all utility-scale solar projects interconnected to facilities owned by EMCs in North Carolina, including NCEMC's 20 participating and five independent members, as well as French Broad EMC, a member of the North Carolina Association of Electric Cooperatives, Inc.

In addition, pursuant to Commission Rule R1-5, attached please find the verification by Michael Diorio, Distribution Planning Engineer, supporting the listing of operational facilities interconnected to EMC distribution and transmission systems.

We hope this information is useful to the Commission. Should you have any questions, please do not hesitate to contact me at 919-875-3111.

Sincerely,

/s/ Tim R. Dodge

Tim R. Dodge
Regulatory Counsel

TRD/sc

cc: Enclosure

Appendix 1

**Listing of Operational Utility-Scale Solar Facilities Interconnected to
Facilities Owned by EMCs in North Carolina**

**Table I: Operational Utility-Scale Solar Facilities Interconnected
to Facilities Owned by EMCs in North Carolina**

#	Utility-Scale Solar Project Name	Developer	Location	EMC	Control Area	MW (AC)	NCUC Docket
1	QVC Liberty – Phase 2	QVC, Inc	740 Kingsboro Road, Rocky Mount, NC 27801	Edgecombe-Martin	DOM/PJM	2.5	SP-362 Sub 3
2	NC 102 Project (McBride Place Solar)	NC 102 Project (Canadian Solar)	9375 US Highway 601 South Midland, NC 28107	Union Power Cooperative	DEC	74.9	SP-3096 Sub 0
3	Scarlet	Cypress Creek Renewables	3115 Hwy 903 North Lagrange, NC 28551	Tri-County	DEP	2	SP-5772 Sub 0
4	Snow Camp	Cypress Creek Renewables	353 Clark Road, Snow Camp, NC 27349	Randolph	DEP	6.5	SP-4442, Sub 0 & SP-3834, Sub 42
5	20003 Hardin (Panda 2)	ReneSola America Inc.	2679 Leggett Rd, Fairmont, NC 28340	Lumbee River	DEP	2	SP-9823 Sub 0
6	20009 Priest Farms (Panda 4)	ReneSola America Inc.	2265 White Plains Church Rd. Clarkton, NC 28433	Four County	DEP	2	SP-9825 Sub 0
7	Flint Hill Solar	Cypress Creek Renewables	12326 NC 24/27, Carthage, NC 28327	Randolph	DEP	4.998	SP-5062 Sub 0
8	20011 Hardin (Panda 3)	ReneSola America Inc.	1927 NC Hwy 711. Lumberton, NC 28360	Lumbee River	DEP	2	SP-9824 Sub 0
9	20052 Dabestani (Panda 8)	ReneSola America Inc.	2495 Jason Rd, Star. NC 27356	Randolph	DEP	2	SP-9829 Sub 0
10	20022 Barker (Panda 9 – Tract C, North)	ReneSola America Inc.	5734 Walter Canady Rd. Hope Mills, NC 28348	South River	DEP	2	SP-9830 Sub 0
11	N 301 Industrial Substation	Baywa RE	15921 US-301, Enfield, NC 27823	Halifax	DOM/PJM	20	SP-5422 Sub 0
12	Five Forks Substation	Baywa RE	206 Robinson Ferry Rd, Macon, NC 27551	Halifax	DOM/PJM	20	SP-5440 Sub 0
13	20032 Barker (Panda 11 – Tract A, South)	ReneSola America Inc.	5814 Walter Canady Rd. Hope Mills, NC 28348	South River	DEP	2	SP-9832 Sub 0
14	20031 Barker (Panda 10 – Tract B, Middle)	ReneSola America Inc.	5748 Walter Canady Rd. Hope Mills, NC 28348	South River	DEP	2	SP-9831 Sub 0

#	Utility-Scale Solar Project Name	Developer	Location	EMC	Control Area	MW (AC)	NCUC Docket
15	Tolson Solar	O2 Energies EMC	2088 Davistown-Mercer Rd, Tarboro, NC 27886	Edgecombe-Martin	DOM/PJM	3	SP-5594 Sub 0
16	Long Henry	Cypress Creek Renewables	4144 East NC-55 Hwy , Seven Springs, NC, 28578	Tri-County	DEP	2	SP-5972 Sub 0
17	Rosewood	Cypress Creek Renewables	294 Ebenezer Church Rd, Goldsboro, NC 27530	Tri-County	DEP	2	SP-6938 Sub 0
18	Ruskin	Cypress Creek Renewables	168 Ruskin Rd, Dudley, NC 28333	Tri-County	DEP	2	SP-7100 Sub 0
19	Strider Solar	ReNew Petra	3295 Archie Newsom Rd, Asheboro, NC 27205	Randolph	DEP	5	SP-7168 Sub 0
20	Bondi	Cypress Creek Renewables	201 Burney Town, Kinston, NC 28501	Jones-Onslow	DEP	5	SP-7582 Sub 0
21	Jersey Holdings	Birdseye Renewable Energy	1271 Wire Grass Rd, Lumberton, NC 28358	Lumbee River	DEP	5	SP-7017 Sub 1
22	Cruise	Soltage, LLC	2811 Dawson Cabin Rd, Jacksonville, NC 28540	Jones-Onslow	DEP	2	SP-9101 Sub 0
23	Ludie Brown Solar + Storage	Ludie Brown Solar NCEMC, LLC	372 Willie Hatcher Rd. Chinguapin, NC 28521	Four County	DEP	2	SP-22927 Sub 0
24	Hall Solar + Storage	Hall Solar NCEMC, LLC	3040 NC-11 Teachey, NC 28464	Four County	DEP	2	SP-22928 Sub 0
25	Arba Solar + Storage	Member EMC Solar Five, LLC	3666 NC-903, Snow Hill, NC 28580	Pitt & Greene	DEP	5	SP-25199 Sub 2
26	Rose Acre Farms Microgrid	Member EMC Solar Five, LLC	1560 Hyde Park Canal Rd, Pantego, NC 27860	Tideland	DOM/PJM	2	SP-25199 Sub 4
27	Grissom Solar + Storage	Birch Creek Renewables	1987 Medoc Mountain Rd. Enfield, NC 27823	Halifax	DOM/PJM	5	SP-17341 Sub 0
28	Brighter Future Solar	MHI & Osaka Gas USA	4463 Grace Chapel Road, Granite Falls, NC 28630	Blue Ridge	DEC	11	SP-31573 Sub 0

STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH

DOCKET NO. E-100, SUB 113B

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of
Implementation of North Carolina
General Statutes § 130A-309.240(f)
(Session Law 2023-58)

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) **VERIFICATION AND SIGNATURE**
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PERSONALLY APPEARED before me Michael Diorio, who, after first being duly sworn, said:

1. That he is Distribution Planning Engineer with North Carolina Electric Membership Corporation ("NCEMC"), and that he has prepared and reviewed the report of operating utility-scale solar facilities interconnected to facilities owned by electric membership corporations in North Carolina, called for in the North Carolina Utilities Commission's February 12, 2024 *Order Requiring Annual Reports Regarding Interconnections with Utility-Scale Solar Facilities* in the above-referenced docket, and knows the contents thereof; and
2. The matters stated in the report are true, except as to those matters that are stated therein on information and belief, and, as to those matters, he believes them to be true.

Michael Diorio
Distribution Planning Engineer

Sworn to and subscribed before me
this 27th day of March, 2024.

Notary Public
Print Name: Sharon A. Craft

My Commission Expires: 03/24/2025

