



Fox Rothschild LLP
ATTORNEYS AT LAW

Tel (919) 755-8700
Fax (919) 755-8800
www.foxrothschild.com

BENJAMIN L. SNOWDEN
Direct No: 919.719-1257
Email: BSnowden@foxrothschild.com

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JUN 02 2022

June 1, 2022

Ms. A. Shonta Dunston
Chief Clerk
North Carolina Utilities Commission
430 N. Salisbury Street
Raleigh, NC 27603

**RE: *In the matter of the Applications of Sumac Solar, LLC
For Certificate of Public Convenience and Necessity to Construct
a 120-MW Solar Facility in Bertie County, NC
EMP-110, Sub 0
PUBLIC REDACTED PREFILED SUPPLEMENTAL TESTIMONY
OF AMANDA MACK***

Dear Ms. Dunston:

On behalf of Sumac Solar, LLC, in the above referenced matter and docket, I herewith provide the Public, Redacted Prefiled Supplemental Testimony of Amanda Mack and Attachments thereto.

Thank you for your assistance with this application. Should you have any questions concerning this filing, please do not hesitate to contact me.

Sincerely,

/s/ Benjamin L. Snowden

Benjamin L. Snowden

pbb

Copy to: Parties of Record
Counsel of Record

A Pennsylvania Limited Liability Partnership

California Colorado Delaware District of Columbia Florida Georgia Illinois Minnesota
Nevada New Jersey New York North Carolina Pennsylvania South Carolina Texas Washington

PREFILED SUPPLEMENTAL TESTIMONY OF
AMANDA MACK
ON BEHALF OF SUMAC SOLAR LLC

NCUC DOCKET NO. EMP-110, SUB 0

I. INTRODUCTION

1
2 **Q. PLEASE STATE YOUR NAME, TITLE, AND BUSINESS ADDRESS.**

3 A. My name is Amanda Mack. I am Project Development Manager with EDF
4 Renewables Development, Inc. (USA) (“EDF Renewables”) at 3600 American Blvd. W, Suite
5 400, Bloomington, MN 55431.

6 **Q. PLEASE DESCRIBE YOUR EDUCATION AND PROFESSIONAL**
7 **EXPERIENCE.**

8 A. I am a seasoned renewable energy professional with 4 years of greenfield energy
9 development experience and an additional ten years of working in the energy industry. My
10 experience includes community and utility scale project development, permitting, RFP response,
11 contract proposal examination, formation, and cost analysis in the Solar, Wind, Nuclear, and Fossil
12 Fuel Power Generation and Communications Field. I hold a Bachelor of Science degree in
13 Business Management from University of Wisconsin – Stout.

14 **Q. WHAT IS YOUR RELATIONSHIP TO THE APPLICANT?**

15 A. As discussed in the application, Sumac Solar LLC (“Sumac Solar”) is a limited
16 liability company organized for the development and ownership of the Sumac Solar Project (“the
17 Project”) for which a Certificate of Public Convenience and Necessity is being sought in this
18 proceeding. Sumac Solar was initially developed by Geenex Solar, LLC, a Delaware limited
19 liability company (“Geenex”), and later fully acquired by my employer, EDF Renewables. While

1 Geenex spearheaded land acquisition and local permitting, and continues to be involved in the
2 development of the Project, EDF Renewables is in charge of engineering, procurement,
3 construction, power marketing, and O&M.

4 **Q. PLEASE SUMMARIZE YOUR CURRENT EMPLOYMENT**
5 **RESPONSIBILITIES.**

6 **A.** My current role as Project Development Manager with EDF Renewables covers the
7 spectrum of solar PV development from land acquisition to preparing the project for construction.
8 This includes local, state, and federal permitting, running multiple RFP's, environmental studies
9 and surveys, scheduling and offtake support. Local permitting focuses on obtaining permits and
10 fulfilling their condition to enable issuance of a grading and building permit. State permitting
11 includes state environmental permits as well as Certificates of Public Convenience and Necessity
12 or Reports of Proposed Construction, as applicable. Federal permits are typically limited to
13 wetland related permits issued by the U.S. Army Corps of Engineers.

14 **Q. HAVE YOU PREVIOUSLY FILED TESTIMONY IN THIS PROCEEDING?**

15 **A.** No. Emily Dalager, who provided direct testimony on behalf of EDF Renewables
16 in this docket on November 16, 2020, is no longer associated with EDF Renewables and is not
17 available to testify. I am the EDF Renewables employee primarily responsible for development
18 of Sumac Solar and am authorized and designated to provide testimony regarding the project in
19 this docket.

20 **Q. HAVE YOU PREVIOUSLY TESTIFIED BEFORE THE NORTH**
21 **CAROLINA UTILITIES COMMISSION?**

22 **A.** I have not.

1 Q. HAVE YOU REVIEWED MS. DALAGER'S PREFILED DIRECT
2 TESTIMONY, PROVIDED ON NOVEMBER 16, 2020?

3 A. Yes.

4 Q. ARE YOU PERSONALLY FAMILIAR WITH THE MATTERS
5 DISCUSSED IN MS. DALAGER'S PREFILED DIRECT TESTIMONY?

6 A. I am.

7 Q. DO YOU ADOPT MS. DALAGER'S PREFILED DIRECT TESTIMONY ON
8 BEHALF OF EDF RENEWABLES AND THE APPLICANT, AS IF IT WERE YOUR
9 OWN, FOR ALL PURPOSES IN THIS DOCKET?

10 A. Yes.

11 **II. CHANGES TO PROJECT AND APPLICATION**

12 Q. HAVE THERE BEEN ANY CHANGES TO THE PROJECT SINCE SUMAC
13 LAST FILED TESTIMONY?

14 A. Yes. As further described in the Prefiled Second Supplemental Testimony of
15 Donna Robichaud filed this same day, the proposed Sumac Solar Project has been resized from
16 120 MWac to 80 MWac. The reduction in size allowed Sumac to avoid triggering certain
17 substantial Network Upgrades on Dominion's system.

18 Q. ARE THERE ANY CHANGES TO THE INFORMATION INCLUDED IN
19 SUMAC'S APPLICATION FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND
20 NECESSITY?

21 A. Yes. The following items in Exhibit 2 to the Application are revised as follows:

1 (i) Nature of proposed generating facility: The size of the Sumac Solar Project has been
2 reduced from 120 MW. The nameplate generating capacity of the facility will be 80 MW, with
3 anticipated gross capacity of approximately 101.43 MWdc and anticipated generation of [BEGIN
4 CONFIDENTIAL] [REDACTED] [END CONFIDENTIAL] per year.

5 Project construction has been delayed until mid 2024, with an estimated date of commercial
6 operation in the fourth quarter of 2025. An updated estimate of the construction costs is included
7 as Confidential Attachment A.

8 (ii) Site plan: An updated color site plan map (“Site Plan”) is included as **Attachment**
9 **B**. As indicated on Attachment B, the proposed site plan for the project has not changed, except
10 for the removal of one area on the western portion of the site (designated as the “Panel Reduced
11 Area”) from the proposed area of development.

12 (iii) Locational information: The size of the Sumac Solar Project is approximately
13 2,804 acres.

14 (v) Required approvals. Sumac Solar received a Notification of Jurisdictional
15 Determination from the U.S. Army Corps of Engineers (included as **Attachment C**) on September
16 18, 2020.

17 (vi) Description of transmission facilities: Although the Sumac Solar project originally
18 had two positions in the PJM queue, the second interconnection application, AD1-023, has been
19 withdrawn, reducing the size of the project from 120 MWac to 80 MWac. The remaining
20 application is AD1-022. As redesigned, the project will include approximately 167,706 solar
21 photovoltaic modules, 22 inverters, 22 pad mounted step-up transformers to medium voltage and
22 one transmission level voltage step up-transformer.

1

2

3 **Q. OTHER THAN THE UPDATES AND CHANGES DISCUSSED IN THIS**
4 **TESTIMONY, DO YOU WISH TO CORRECT OR REVISE ANY ASPECT OF MS.**
5 **DALAGER'S PREFILED TESTIMONY?**

6 A. No.

7 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

8 A. Yes.

PUBLIC (REDACTED) VERSION

**PREFILED SUPPLEMENTAL TESTIMONY OF
AMANDA MACK
ON BEHALF OF SUMAC SOLAR LLC**

NCUC DOCKET NO. EMP-110, SUB 0

ATTACHMENTS

A	Revised Construction cost estimate **CONFIDENTIAL**
B	Revised Site Plan
C	Notification of Jurisdictional Determination

PUBLIC (REDACTED) VERSION

CERTIFICATE OF SERVICE

This is to certify that the undersigned has this day served the foregoing **PREFILED SUPPLEMENTAL TESTIMONY OF AMANDA MACK** upon the following by electronic mail as follows:

Christopher Ayers, Esq.
Executive Director - NC Public Staff
Chris.Ayers@psncuc.nc.gov

Robert Josey
NC Public Staff - Legal Division
Robert.josey@psncuc.nc.gov

Megan Jost
NC Public Staff – Legal Division
Megan.jost@psncuc.nc.gov

Nadia Luhr
NC Public Staff - Legal Division
nadia.luhr@psncuc.nc.gov

This 1st day of June, 2022.

/s/ Benjamin L. Snowden
Benjamin L. Snowden