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Charleston, SC
Charlotte, NC
Columbia, SC
Raleigh, NC
Spartanburg, SC

February 25, 2015

By Hand Delivery

Gail L. Mount
Chief Clerk
North Carolina Utilities Commission
430 North Salisbury Street
Raleigh, North Carolina 27603

Sp-5092 Sub 0

FILED
FEB 25 2015
Clerk's Office
N.C. Utilities Commission

Re: Docket No. SP-5092, Sub 0
Flowers Solar, LLC - Application for a Certificate of
Public Convenience and Necessity and Registration
as a New Renewable Facility

Dear Clerk Mount:

Enclosed for filing are an original and twelve (12) copies of Flowers Solar, LLC's Application for a Certificate of Public Convenience and Necessity and Registration as a new Renewable Facility.

Also enclosed is the \$25.00 filing fee. Please stamp the extra copy and return it to our courier.

Thank you for your assistance. Please contact me if you have any questions.

Sincerely,

E. Merrick Parrott

Enclosures

PPAB 2718679v1

**STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH**

DOCKET NO. SP-5092, SUB 0

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of the Application of)	APPLICATION FOR A
Flowers Solar, LLC For a Certificate)	CERTIFICATE OF PUBLIC
of Public Convenience and)	CONVENIENCE AND NECESSITY
Necessity and Registration as a New)	AND REGISTRATION AS A NEW
Renewable Energy Facility)	RENEWABLE ENERGY FACILITY

Flowers Solar, LLC ("Flowers" or the "Applicant"), hereby applies to the North Carolina Utilities Commission (the "Commission") pursuant to G.S. § 62-110.1 and Commission Rule R8-64 for a Certificate of Public Convenience and Necessity authorizing construction of a 4.998 megawatt ("MW") (alternating current) solar facility (the "Facility") to be located in Harnett County. The Applicant also submits its Registration as a New Renewable Energy Facility pursuant to Commission Rule R8-66.

**APPLICATION FOR A CERTIFICATE OF PUBLIC CONVENIENCE AND
NECESSITY**

In support of its application, Flowers Solar, LLC provides the Commission the attached five exhibits in compliance with Rule R8-64.

REGISTRATION AS A NEW RENEWABLE ENERGY FACILITY

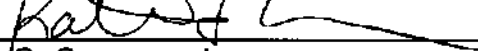
Please see attached Registration Form.

WHEREFORE, Flowers Solar, LLC respectfully requests that the Commission:

(i) issue a Certificate of Public Convenience and Necessity pursuant to G.S. § 62-110.1 and Commission Rule R8-64 for the 4.998-MW_{AC} Facility, as more specifically described herein; and

(ii) accept the Registration of the Facility as a New Renewable Energy Facility pursuant to G.S. § 133.8 and Commission Rule R8-66.

Respectfully submitted this 24th day of February, 2015

By: 
Henry C. Campen, Jr.
N.C. State Bar No. 13346
Katherine E. Ross
N.C. State Bar No. 38468
Parker Poe Adams & Bernstein LLP
301 Fayetteville Street, Suite 1400
Raleigh, North Carolina 27601
Tel. 919-828-0564
Fax 919-834-4564
Email: henrycampen@parkerpoe.com
katherineross@parkerpoe.com

Attorneys for Flowers Solar, LLC

**Flowers Solar, LLC
Application Exhibit 1**

- i. The Applicant's full and correct name, business address, and business telephone number are:

Flowers Solar, LLC
3250 Ocean Park Blvd., Suite 355
Santa Monica, CA 90405

The electronic mailing address for purposes of this filing is
bunge@ccrenew.com.

- ii. Flowers Solar, LLC is a North Carolina limited liability company that was formed January 20, 2015. David Bunge is duly authorized to act as a corporate agent for the purposes of this application. The Applicant and agent consent to electronic service of filings related to this application.

David Bunge
Flowers Solar, LLC
3250 Ocean Park Blvd., Suite 355
Santa Monica, CA 90405
636.474.9067
bunge@ccrnrenew.com

Correspondence, documents, and filings regarding this application should be sent as follows:

David Bunge
Flowers Solar, LLC
3250 Ocean Park Blvd., Suite 355
Santa Monica, CA 90405
636.474.9067
bunge@ccrnrenew.com

with copies to:

Katherine E. Ross
Parker Poe Adams & Bernstein LLP
301 Fayetteville Street, Suite 1400
Raleigh, North Carolina 27601
katherineross@parkerpoe.com

- iii. Flowers will be the owner of the Facility and has entered into a lease with Conrey D. Flowers and Sarah Ennis Flowers, the current owners of the site.

Flowers Solar, LLC
Application Exhibit 2

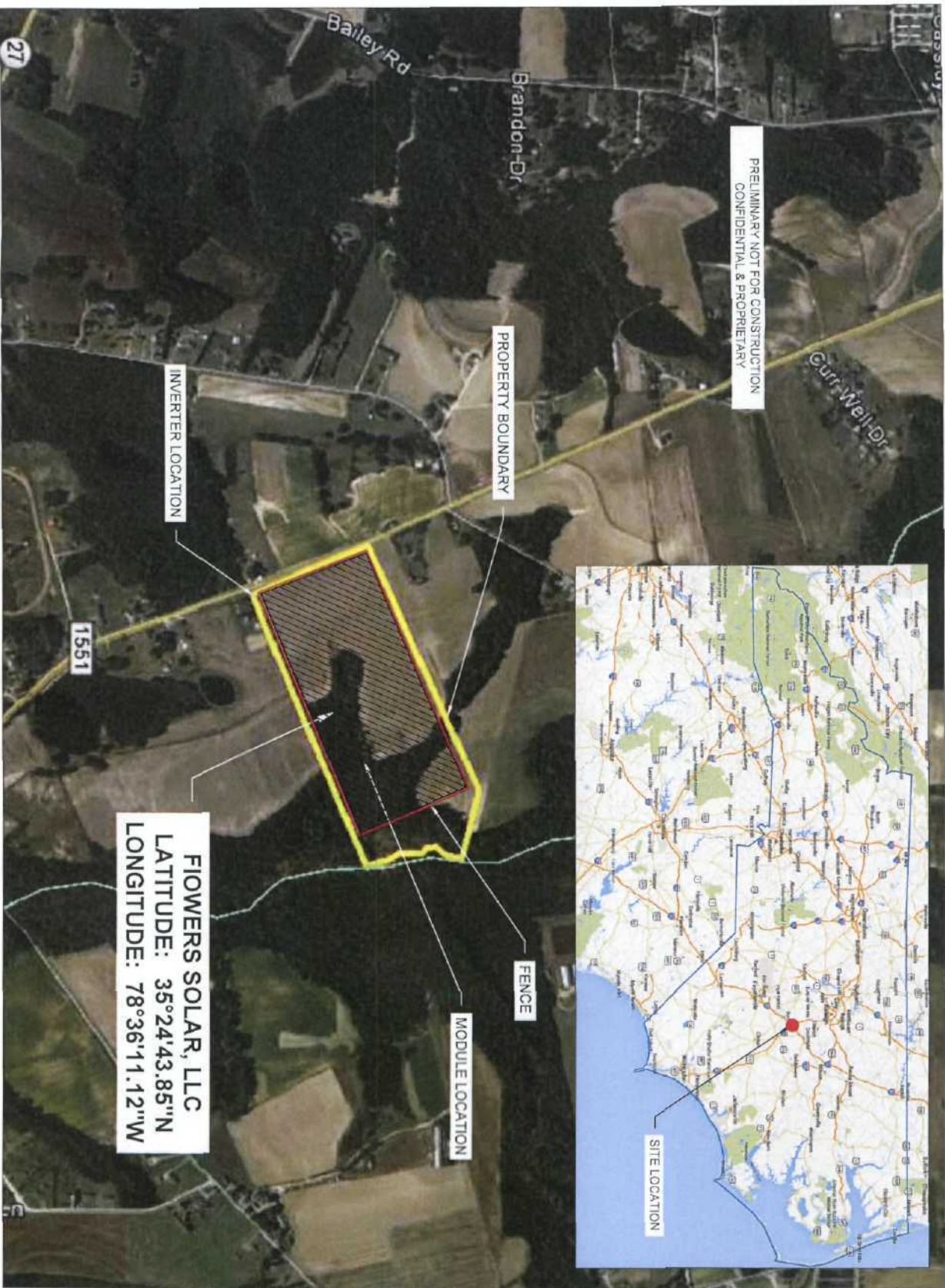
- i. See attached map with the proposed location of major equipment. The final site layout will depend on design considerations, consultation with Duke Energy Progress and required permits.
- ii. An e911 street address has not been assigned to the Facility at this time. The Applicant will notify the Commission of the e911 street address when it is received. The facility will be located on the east side of Baileys Crossroads Road, south of the intersection with Chic Ennis Road and north of the intersection with Hilda Dr. in Benson, NC, Harnett County. The GPS coordinates of the facility are: 35.412, -78.603.

Flowers Solar, LLC
Application Exhibit 3

- i. The Facility will be a 4.99-MW_{AC} photovoltaic ("PV") array. The source of its power is solar energy.
- ii. The Facility will consist of approximately twenty three thousand three hundred and thirty two (23,332) 300Wp PV modules (or equivalent) affixed to ground mounted racks supported on driven piles. The Facility will utilize approximately six (6) 833kW inverters (or equivalent) .
- iii. The maximum gross power production capacity of the Facility will be 4.998-MW_{AC} and the projected maximum net power production capacity is 4.918-MW_{AC}. Solar is an intermittent energy source, and therefore, the maximum dependable capacity is 0 MW. The Facility's nameplate capacity is 4.998-MW_{AC}.
- iv. The Facility is projected to come online in February, 2016.
- v. Electricity generated by the Facility will be sold to Duke Energy Progress under a fifteen year power purchase agreement.
- vi. There are no provisions for wheeling of the electricity generated.
- vii. There are no arrangements for firm, non-firm or emergency generation.
- viii. The service life of the equipment is expected to be a minimum of 25 years.
- ix. The projected annual sales of the Facility are 10,546,396 kWh.
- x. The Applicant will produce renewable energy certificates that are eligible for compliance with North Carolina's renewable energy and energy efficiency portfolio standard.

Flowers Solar, LLC
APPLICATION EXHIBIT 4

- i. The Applicant will file for self-certification as a Qualifying Facility under the Federal Energy Regulatory Commission. The Applicant anticipates needing a soil and erosion control permit from the Department of Environment and Natural Resources. The Facility has no potable water needs.
- ii. The Applicant will file a copy of the federal and state licenses, permits and exemptions, if any are received, once they are obtained.



GRID TIED PHOTOVOLTAIC SYSTEM

5.00 MW AC
FLOWERS SOLAR, LLC
35°24'43.85"N, 78°36'11.12"W
BENSON, NC



DATE: 2-16-2016

NOT TO SCALE

SHEET A



Sustainable Energy Solutions
804 Meeting St
Charleston, SC 29403
(843) 277-2380
(7) 843-225-2380

**Flowers Solar, LLC
Application Exhibit 5**

The projected cost of the Facility is twelve million dollars (\$12,000,000).

STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALEIGH

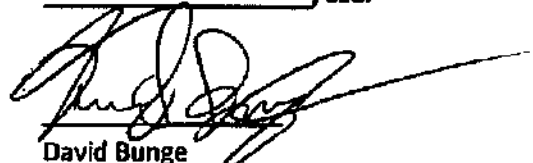
Docket #: SP- 5092 sub 0

Before the North Carolina Utilities Commission

In the Matter of

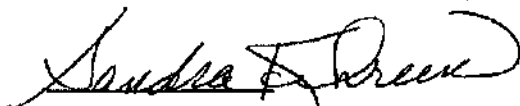
Application of Flowers Solar, LLC)
For a Certificate of Public Convenience) Verification
And Necessity)

I, David Bunge, Managing Member of Flowers Solar, LLC, verify that the contents of the application for a Certificate of Public Convenience and Necessity by Flowers Solar, LLC filed in this docket are true to the best of my knowledge. I am duly authorized to act on behalf of Flowers Solar, LLC.


David Bunge
Managing Member

Sworn to and subscribed before me,

This is the 10th day February, 2015


Notary Public

SANDRA KEHREIN
Notary Public - Notary Seal
State of Missouri - County of St. Louis
My Commission Expires Mar. 17, 2017
Commission # 13513923

My Commission expires on 03/17/2017.