

FILED

MAR 30 2015

Clerk's Office
N.C. Utilities Commission

**APPLICATION FOR CERTIFICATE OF PUBLIC CONVENIENCE AND
NECESSITY AND REGISTRATION AS A NEW RENEWABLE ENERGY
FACILITY BY A SMALL POWER PRODUCER**



NORTH 301 SOLAR, LLC.

March 24, 2015

O₂ EMC, LLC.

17115 Kenton Dr., Suite 206A

P.O. Box 1395

Cornelius, N.C. 28031

www.O2emc.net

North 301 Solar, LLC.
P.O. Box 1395
Cornelius, NC 28031



Gail L. Mount, Chief Clerk
North Carolina Utilities Commission
4325 Mail Services Center
Raleigh, NC 27699-4325

March 24, 2015

Re: Docket No. SP-5422, Sub 2
North 301 Solar, LLC. - Application for Certificate of Public Convenience and Necessity
and Registration as a New Renewable Energy Facility by a Small Power Producer

Dear Ms. Mount:

Enclosed for filing is North 301 Solar, LLC's Application to the North Carolinas Utility Commission G.S. 62-110.1 and Commission Rule R8-64, for a Certificate of Public Convenience and Necessity (CPCN) authorizing construction of a 20 megawatt (MW) Solar Facility to be located in Halifax County, NC. The Applicant also submits its Registration as a New Renewable Energy Facility pursuant to the Commission Rule R8-66. A copy of the CPCN and Registration Application will be provided to Virginia Electric and Power Company.

The \$25.00 filing fee will be submitted via ACH for this electronic filing.
If you have any questions, please do not hesitate to call me at 704-576-2297

Respectfully,

A handwritten signature in cursive script, appearing to read 'Stephen LaFleur'.

Stephen LaFleur
Project Development
O2 EMC, LLC.

CC: Virginia Electric and Power Company (Dominion Power)

Included with this letter:

- Notarized cover verification letter



APPLICATION FOR CERTIFICATION OF PUBLIC CONVENIENCE AND NECESSITY

(b)(1)(i)

Name: North 301 Solar, LLC.

Business Address: 17115 Kenton Dr. Suite 206A, Cornelius, NC 28031

Business Telephone Number: (704) 651-4479

Electronic Mailing Address: adam.foodman@o2emc.net

(b)(1)(ii)

The applicant is a Limited Liability Corporation incorporated in North Carolina on February 13th, 2015. COO, Adam Will Foodman is duly authorized to act as corporate agent for the purpose of this application.

Business Address: 17115 Kenton Dr. Suite 206A, Cornelius, NC 28031

Business Telephone Number: (704) 651-4479

Electronic Mailing Address: adam.foodman@o2emc.net

(b)(1)(iii)

North 301 Solar, LLC will own the Facility and the site will be leased by the applicant. The applicant is North 301 Solar and will lease the land from SF Land, LLC.

(b)(2)(i)

The generating facility will be located in Halifax County, NC on US-301N, Enfield, NC 27823. The Facility is accessible via I-95 NE to N Carolina 481 toward Enfield. Continue onto NC-481 then turn left onto US-301 N. The Facility will be located on US-301 N on your right in 4.4 miles. A full page map with the location of the facility, major equipment and site boundaries is included as Application Exhibit 1.

(b)(2)(ii)

E911 Street Address: 15919 Hwy 301, Enfield, NC 27823

County: Halifax County

GPS Coordinates: 36.213, -77.624

(b)(3)(i)

The generating facility is one 20 MW (AC) solar photovoltaic (PV) array. Its source of power is sunlight.



(b)(3)(ii)

The generating facility will be comprised of approximately ninety-thousand (90,000) 310W solar PV modules (or equivalent) along with racking equipment, grounding equipment, roughly twenty (20) 1000kW inverters (or equivalent), transformers, monitoring equipment, safety equipment, and fencing. The facility transforms sunlight into electricity and will be interconnected to the existing Virginia Electric Power Company Transmission System.

(b)(3)(iii)

Solar is an intermittent energy source. The Facility is projected to have a maximum dependable capacity of Zero (0) MW and the facility's nameplate capacity is Twenty (20) MW AC.

(b)(3)(iv)

The projected date on which the facility will come on line is December 31st, 2016.

(b)(3)(v)

The applicant will interconnect to the Virginia Electric Power Company transmission system, and sell into the PJM network under a power purchase agreement.

(b)(3)(vi)

There are no provisions for wheeling electricity.

(b)(3)(vii)

There are no arrangements for firm, non-firm or emergency generation

(b)(3)(viii)

The service life of the equipment is expected to be a minimum of thirty (30) years.

(b)(3)(ix)

The projected year one annual sales in kilowatt-hours of this facility are 38.4 million kWh.

(b)(3)(x)

North 301 Solar, LLC will produce renewable energy certificates that are eligible for compliance with North Carolina's Renewable Energy and Energy Efficiency Portfolio Standard (REPS). File for Registration as a New Renewable Energy Facility concurrently, in subsequent pages.

(b)(4)(i)

FERC 556



(b)(4)(ii)

FERC Form 556 – Qualifying Facility Application was submitted and filed March 10th, 2015.

-Accession No.: 201503105217

-Docket(s) No.: QF15-528-000

-Filed By: O2 emc, LLC

-Signed By: Stephen LaFleur

-Filing Type: Qualifying Facility Application or PURPA Energy Utility Filing -Filing Desc: Form 556 of North 301 Solar, LLC under QF15-528.

-Submission Date/Time: 3/10/2015 10:14:44 AM -Filed Date: 3/10/2015 10:14:44 AM

An Interconnection Request document will be submitted to PJM and Virginia Electric Power Company and available upon request complete with one-line diagram, PVSyst modeling report, and site layout. North 301 Solar will file any state or federal licenses, permits or exemption obtain for the Facility once they are received.

(b)(5)

The projected cost of the facility is \$56,000,000.00

North 301 Solar, LLC

North 301 Solar, LLC
2019-01-01 10:00 AM

Point of Interconnection

301

Google Earth
2019-01-01 10:00 AM

- The Facility is accessible via I-95 NE to N Carolina 481 toward Enfield. Continue onto NC-481 then turn left onto US-301 N. The Facility will be located on US-301 N on your right in 4.4 miles.

emc
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North 301 Solar, LLC



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REGISTRATION AS A NEW RENEWABLE ENERGY FACILITY

In support of its registration as a new Renewable Energy Facility pursuant to R8-66, the Applicant states the following:

(b)(1)

The Applicant incorporates by reference each of the foregoing sections, including all subsections, in support of its Registration as a New Renewable Energy Facility.

(ix)

The Utility will read the energy production meter for the purpose of REC issuance.

(x)

The Applicant anticipates participating in the North Carolina Renewable Energy Tracking System (NC-RETS)

(b)(2)

The Applicant certifies that it is in substantial compliance with all federal and state laws, regulations, and rules for the protection of the environment and conservation of natural resources.

(b)(3)

The Applicant certifies that the facility satisfies the requirements of G.S. 62-133.8(a)(5) as a new renewable energy facility and that the facility will be operated as a renewable energy facility.

(b)(4)

The Applicant certifies that any renewable energy certificates (whether or not bundled with electric power) sold to an electric power supplier comply with G.S. 62-133.8 have not, and will not, be remarketed or otherwise resold for any other purpose, including another renewable energy portfolio standard or voluntary purchase of renewable energy certificates in North Carolina or any other state or country, and that the electric power associated with the certificates will not be offered or sold with any representation that the power is bundled with renewable energy certificates.

(b)(5)

The Applicant certifies that it consents to the auditing of its books and records by the Public Staff insofar as those records relate to transactions with North Carolina electric power suppliers and agrees to provide the Public Staff and the Commission access to its books and records, wherever they are located, and to the facility.



NOTARIZED COVER VERIFICATION LETTER

STATE OF NORTH CAROLINA
UTILITIES COMMISSION
RALIEGH, NC

DOCKET NO. SP- _____, SUB 0

BEFORE THE NORTH CAROLINA UTILITIES COMMISSION

In the Matter of

1) Application for Certificate of Public Convenience) VERIFICATION
and Necessity and 2) Registration as a New)
Renewable Energy Facility before the NC Utilities)
Commission by North 301 Solar , LLC (the
"Applicant")

I, Adam Will Foodman, Organizer of the Applicant, verify that the contents of the 1) Application for Certificate of Public Convenience and Necessity and 2) Registration as a New Renewable Energy Facility by the Applicant filed in this document are true to the best of my knowledge. I am duly authorized to act on behalf of the Applicant.

Adam Will Foodman
Organizer – North 301 Solar, LLC
COO – O2 EMC, LLC (MANAGER OF THE APPLICANT)

Sworn to and subscribed before me,

This is the 24th day of MARCH, 2015.

Notary Public

My Commission expires: MAY 27 2019

