

December 22nd, 2014

Gail L. Mount

Chief Clerk

North Carolina Utilities Commission

430 North Salisbury Street

Raleigh, NC 27603

**RE: Docket No. SP-3557 Sub 1  
Fresh Air Energy XI, LLC - Application for a Certificate of Public  
Convenience and Necessity and Registration as a New Renewable  
Facility for Grifton PV1**

Dear Clerk Mount,

Enclosed for filing are an original and twelve (12) copies of Fresh Air Energy XI, LLC's application for a Certificate of Public Convenience and Necessity as well as Registration as a New Renewable Facility for its Grifton PV1 solar facility. We have marked Application Exhibits 3 and 4 as "Provided Under Seal" given that these documents contain proprietary, confidential trade secrets pursuant to N.C. Gen. Stat § 132-1.2.

Please feel free to contact me, should you have any questions.

Sincerely,

John Gorman

STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH

DOCKET NO. SP-3557, Sub 1

BEFORE THE NORTH CAROLINA UTILITES COMMISSION

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

Fresh Air Energy XI, LLC ("FAE XI" 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 12 megawatt (MW) AC solar facility (the "Facility"), informally known as Grifton PV1, to be located in Lenoir County. Also contained in this application is the Applicant's submission for Registration as a New Renewable Energy Facility pursuant to Commission Rule R8-66.

THE APPLICANT

(i) The Applicant's full and correct name, business address, business telephone number, and electronic mailing address of the facility owner are listed below:

John Gorman, CEO  
Fresh Air Energy XI, LLC  
650 Townsend Street, Suite 310  
San Francisco, CA 94103  
(415) 626-1802  
**interconnection@ecoplexus.com**

(ii) FAE XI is a Limited Liability Corporation with its principal place of business in San Francisco, California. FAE XI was incorporated in North Carolina on April 2nd, 2014. As CEO of Ecoplexus, Inc., which is the Managing Member of FAE IX, John Gorman is an individual duly authorized to act as a corporate agent for the purpose of this application. Correspondence, documents, and filings pursuant to this application should be sent as follows:

650 Townsend Street, Suite 310  
San Francisco, CA 94103  
(415) 626-1802  
**interconnection@ecoplexus.com**

THE FACILITY

(iii) The Facility will be a 12 MW<sub>AC</sub> photovoltaic (PV) array. The source of its power is solar energy.

(iv) The Facility will be situated on a single parcel located at approximately 5228 Skeeter Pond Road, Grifton, Lenoir County, NC 28530. The parcel adjoins Grifton-Hugo Road (SR-1091) to the north and Skeeter Pond Road to the east. NC HWY 11 is found approximately .43 mile east of the parcel, and the Town of Grifton is located approximately 1.65 miles to the northeast. The parcel is primarily surrounded by agricultural land, with low density residential located to the east. Please find a site map in **Application Exhibit 1**. A projected site layout, depicting the proposed location of all major equipment as well as site boundaries, is provided in **Application Exhibit 2**. The final site layout will be contingent upon design specifications and consultation with Lenoir County, and Duke Energy Progress.

(v) FAE XI will own the Facility and has executed an Option to Lease Agreement with the owner, Alonza Gray. Upon completion of the interconnection and permitting processes with the utility and county, FAE XI will execute a complete Ground Lease Agreement.

(vi) The facility will consist of approximately fifty-two thousand (52,000) 300W<sub>DC</sub> photovoltaic (PV) modules (or the equivalent) affixed to ground-mounted racks, which will be supported by piles driven into the ground. The system will utilize approximately fifteen (15) 800 kW<sub>AC</sub> inverters (or the equivalent) and will be interconnected to the grid operated by Duke Energy Progress.

(vii) The generating capacity of the Facility will be approximately 10 MW<sub>AC</sub>. Solar is an intermittent energy source; therefore, the maximum dependable capacity is 0 MW.

(viii) The projected project cost of the Facility is being provided under seal as **Application Exhibit 3**, given that it is a confidential, proprietary trade secret pursuant to GS §132-1.2.

(ix) The facility is projected to come online in June of 2016.

(x) Electricity generated by the Facility will be sold to Duke Energy Progress under a power purchase agreement. The service life of the equipment is expected to be a minimum of twenty (20) years. The projected year one annual sales of the Facility is filed under seal as **Application Exhibit 4** given that it is a confidential, proprietary trade secret pursuant to GS §132-1.2. Grifton PV1 will produce renewable energy certificates that are eligible for compliance with North Carolina's renewable energy and efficiency portfolio standard.

(xi) Please find the Federal Energy Regulatory Commission (FERC) Form 556 attached as **Application Exhibit 5**, which FAE XI will file in order to self-certify as a Qualifying Facility (QF). Currently, FAE XI anticipates needing a sedimentation and erosion control permit from the North Carolina Department of Environmental and Natural Resources and a jurisdictional wetlands determination from the Army Corps of Engineers. FAE XI will file any these and any additional state and/or federal licenses, permits, or exemptions obtained for the Facility once they are received. The Facility has no potable water needs.

## REGISTRATION AS A NEW RENEWABLE ENERGY FACILITY

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

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.
2. Duke Energy Progress will read the energy production meter for the purpose of REC issuance.
3. The Applicant anticipates participating in the North Carolina Renewable Energy Tracking System.
4. 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.
5. The Applicant certifies that the facility satisfies the requirements of G.S. § 62-133.8(a)(5) as a new renewable energy facility and will continue to be operated as a new renewable energy facility.
6. The Applicant certifies that any renewable energy certificates (whether or not bundled with electric power) sold to an electric supplier to comply with G.S. § 62-133.8 neither have been nor will 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.

7. 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 suppliers, and agrees to provide the Public Staff and Commission access to those books and records, wherever they are located, and access to the facility.

WHEREFORE, Fresh Air Energy XI, 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 Facility, as more specifically described herein, and;

(ii) accept the Registration of the Facility as a New Renewable Energy Facility pursuant to G.S. § 62-133.S and Commission Rule R8-66.

Respectfully submitted this 23 day of DECEMBER, 2014.

By:

  
John Gorman, CEO

Fresh Air Energy XI, LLC

650 Townsend St. #310

San Francisco, CA 94103

Tel: (415) 626-1802

Fax: (415) 449-3466

Email: [interconnection@ecoplexus.com](mailto:interconnection@ecoplexus.com)

STATE OF NORTH CAROLINA  
UTILITIES COMMISSION  
RALEIGH

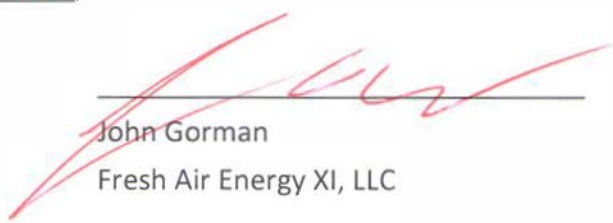
DOCKET NO. SP-3557, Sub 1

BEFORE THE NORTH CAROLINA UTILITES COMMISSION

In the Matter of Application	)	
of Fresh Air Energy XI, LLC	)	
for a Certificate of Public	)	VERIFICATION
Convenience and Necessity	)	
and Registration as a New	)	
Renewable Energy Facility	)	

I, John Gorman, being duly sworn, do hereby declare that I am authorized to act on behalf of the Applicant, that I am familiar with the facts, have read the foregoing Application and Registration Statement, and, to my personal knowledge, the matters and statements contained therein are in compliance with North Carolina Utilities Commission Rules RE-64 and R8-66 and are true to the best of my knowledge.

This 23 day of DECEMBER, 2014



\_\_\_\_\_  
John Gorman  
Fresh Air Energy XI, LLC



Sworn and subscribed to me this 23<sup>rd</sup> day of December, 2014

STATE OF California COUNTY OF San Francisco

WITNESS my hand and notarial seal, this 23<sup>rd</sup> day of December, 2014.

My Commission Expires: Nov 27, 2017

Amelia Dang  
Signature of Notary Public

[NOTARY SEAL]



Amelia Dang  
Name of Notary Public – Typed or Printed

**APPLICATION EXHIBIT 1. Site Map**

Fresh Air Energy XI, LLC's Grifton PV1



5228 Skeeter Pond Road, Grifton, Lenoir County, NC 28530

GPS: 35.371334, -77.465582

**APPLICATION EXHIBIT 2. Preliminary Site Plan**

Please see attached.



**ECOPLEXUS, INC.**  
 65 TOWNSEND STREET  
 SAN FRANCISCO, CALIFORNIA 94103  
 PH: 415-626-1102 FX: 415-448-3466

## TICK BITE PV2

SKEETER POND ROAD, KINGSTON NC 28501  
 PIN: 455904628141

(195,552) FIRST SOLAR (97.5kW EACH) SOLAR MODULES @20° TILT  
 (16,296) STRINGS OF 12 SYSTEM SIZE: 19.06 MWDC

DATE:	12.21.2014
REVISION:	
DRAWN BY:	EF
DWG. NO.:	

# PV-1

**APPLICATION EXHIBIT 5. FERC Form 556**

Please see last page, attached.