



March 20, 2015

Chief Clerk of North Carolina Utilities Commission
4325 Mail Service Center
Raleigh, NC 27699-4325

RE: SP 5100 - SUB 1

To,

Ms. Gail Mount,

This filing is a Certificate of Convenience and Public Necessity CPCN pursuant to Rule R8-64 of an earth screw mounted photovoltaic system greater than 2 megawatts capacity to be constructed at

2431 Mariposa Rd., Stanley NC 28164

Please do not hesitate to contact me @ 704.776.6057 if you have any questions. My email is brian@atood.com. Please direct all correspondence to my email.

Best,

Brian Adams

CEO, A TOOD
11111 Carmel Commons Blvd
Suite 160
Charlotte, NC 28226
www.atood.com

Notarized Verification Form Attached

OFFICIAL COPY

Mar 27 2015



**North Carolina Utilities Commission Rule 8 Section 64 Application for
the Proposed Construction of Fire Solar 1, LLC,
Lincoln, NC 19,999 kW AC Ground Mounted PV Project,
Certification of Public Convenience and Necessity Report**

(i) ApplicantName:

The full and correct name, business address and business telephone number of the applicant;

Fire Solar I, LLC acting as agent
Brian Adams, Manager
10018 Triple Oak Road
Charlotte, NC 28277
704.776.6057

(ii) Applicant Information:

A statement of whether the applicant is an individual, a partnership, or a corporation and, if a partnership, the name and business address of each general partner and, if a corporation, the state and date of incorporation and the name and business address of an individual duly authorized to act as corporate agent for the purpose of the application and, if a foreign corporation, whether domesticated in North Carolina;

Fire Solar I, LLC incorporated on March 17, 2013 acting as agent
Brian Adams, Manager
10018 Triple Oak Road
Charlotte, NC 28277
704.776.6057
Email: brian@atood.com

(iii) Generating Facility:

The nature of the generating facility, including the type and source of its power or fuel;

19,999 kW AC Solar PV System composed of:

Approx. 91,200 Poly-Crystalline 300 Watt PV Modules
200 Combiner Boxes
40 AE 500 Nx Inverters
Racking System
Conductors/Cable
All support structures and electrical infrastructure required to construct the system as designed.

**(iv) Facility Location:**

The location of the generating facility set forth in terms of local highways, streets, rivers, streams, or other generally known local landmarks together with a map, such as a county road map, with the location indicated on the map;

2431 Mariposa Rd.
Stanley NC 28164
See attached map

(v) Site Ownership:

The ownership of the site and, if the owner is other than the applicant, the applicant's interest in the site;

Site Owner:

Billy Rhyne
2431 Mariposa Rd.
Stanley NC 28164

Executed purchase option contract

(vi) System Description:

A description of the buildings, structures and equipment comprising the generating facility and the manner of its operation;

Ground mounted static 19,999 kW AC STC rated photovoltaic array. No buildings; outdoor rated enclosures on the equipment.

(vii) System Capacity:

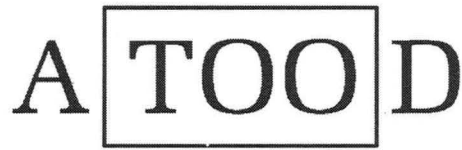
The projected maximum dependable capacity of the facility in megawatts;

Maximum DC Generation = 0 MW due to intermittent energy source from sunlight.

(viii) Projected System Cost:

The projected cost of the facility;

\$56,000,000.00

**(ix) Projected On-Line Date:**

The projected date on which the facility will come on line;

December 1, 2015

(x) Operation and Capacity:

The Applicant's general plan is to sell the electricity to be generated, including to the utility through sell all arrangements with the Duke Energy Carolinas utility service.

The Applicant intends to produce Renewable Energy Certificates (SRECs) that currently do not have a buyer.

Estimated Service Life – 25 Years

Estimated annual energy production - Year One = 38,220 MWh with an estimated 1/2% annual generation capacity due to panel degradation.

(xi) License, Permits, Etc.

A complete list of all federal and state licenses, permits and exemptions required for construction and operation of the generating facility and a statement of whether each has been obtained or applied for. A copy of those that have been obtained should be filed with the application; a copy of those that have not been obtained at the time of the application should be filed with the Commission as soon as they are obtained.

The following is a list of license and permits that will be required for this project and their status:

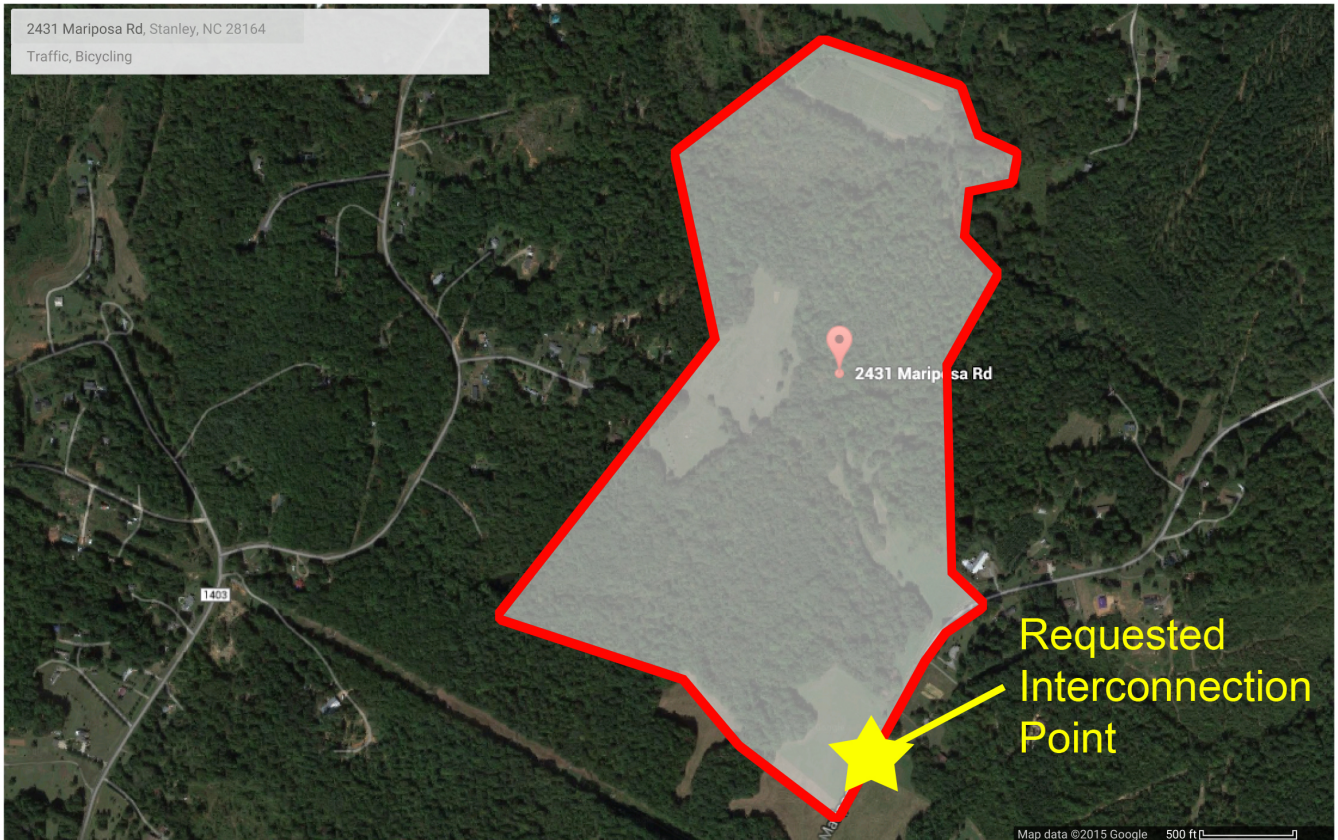
Lincoln County – Electrical Permit	Applied For
Federal Energy Regulatory Commission – Form 556:	Filed

Exhibit A - Maps

Fire Solar I, LLC
2431 Mariposa Rd.,
Stanley, NC 28164

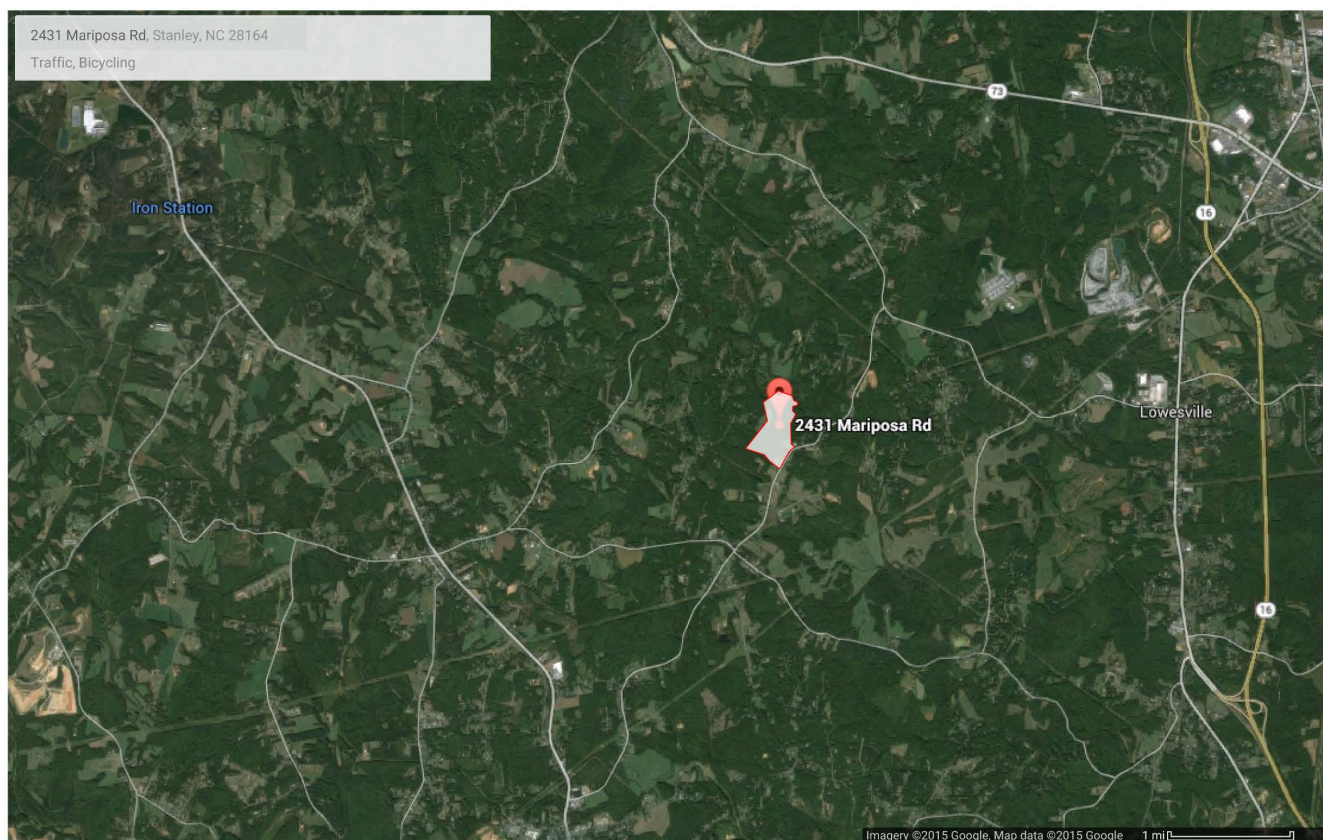
3/23/2015

2431 Mariposa Rd - Google Maps



3/23/2015

2431 Mariposa Rd - Google Maps



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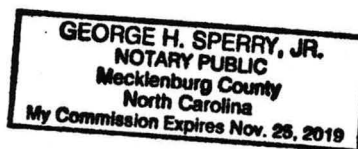
VERIFICATIONSTATE OF NC COUNTY OF Mecklenburg

Brian Christopher Adams, personally appeared before me this day and, being first duly sworn, says that the facts stated in the foregoing application and any exhibits, documents, and statements thereto attached are true as he or she believes.

WITNESS my hand and notarial seal, this 23rd day of March, 2015.My Commission Expires: 11/25/19


Signature of Notary Public

George H Sperry Jr.
Name of Notary Public - Typed or Printed



The name of the person who completes and signs the application must be typed or printed by the notary in the space provided in the verification. The notary's name must be typed or printed below the notary's seal. This original verification must be affixed to the original application, and a copy of this verification must be affixed to each of the 15 copies that are also submitted to the Commission.